

Deaths: Leading Causes for 2022

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Abstract

Objectives—This report presents final 2022 data on the 10 leading causes of death in the United States by age group, race and Hispanic origin, and sex. Leading causes of infant, neonatal, and postneonatal death are also presented. This report supplements “Deaths: Final Data for 2022,” 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 District of Columbia in 2022. Causes of death classified by the *International Classification of Diseases, 10th Revision* are ranked according to the number of deaths. Cause-of-death statistics are based on the underlying cause of death.

Results—In 2022, the rank order of 4 of the 10 leading causes of death changed from 2021. The 10 leading causes of death in 2022 were, in ranked order: Diseases of heart; Malignant neoplasms; Accidents (unintentional injuries); COVID-19; Cerebrovascular diseases; Chronic lower respiratory diseases; Alzheimer disease; Diabetes mellitus; Nephritis, nephrotic syndrome and nephrosis; and Chronic liver disease and cirrhosis. These causes accounted for 72.3% of all deaths occurring in the United States. Rankings are presented by age, race and Hispanic origin, and sex. The 10 leading causes of infant death for 2022 were, in ranked order: Congenital malformations, deformations and chromosomal abnormalities; Disorders related to short gestation and low birth weight, not elsewhere classified; Sudden infant death syndrome; Accidents (unintentional injuries); Newborn affected by maternal complications of pregnancy; Newborn affected by complications of placenta, cord and membranes; Bacterial sepsis of newborn; Respiratory distress of newborn; Intrauterine hypoxia and birth asphyxia; and Diseases of the circulatory system.

Keywords: mortality • racial and ethnic differences • sex differences • National Vital Statistics System (NVSS)

Introduction

Ranking causes of death is a standard and widely used 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 limitations. Ranking causes of death is, to some extent, a subjective procedure. The ranked 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 for use 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; 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 useful for showing the relative burden of cause-specific mortality. However, it should be used with a clear understanding of what the rankings mean. Literally, the rankings signify the most frequently occurring causes of death among those causes eligible to be ranked. Rankings do not indicate cause-specific mortality risk as depicted by mortality rates. The rank of a specific cause (that is, its mortality burden relative to other causes) may decline over time even if its mortality rate has not changed, or its rank may stay the same over time even if its mortality rate is declining.

Rankings also do not necessarily indicate 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 7th, while Motor vehicle accidents would rank 13th. However, each of these is incorporated into broader rankable categories, namely, Malignant neoplasms (cancer) 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 public health community.

This report also uses the percentage of total deaths from the rankable causes to show the relative burden of cause-specific mortality. 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 stay the same even though the percentage 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 percentages.

This report presents final 2022 data on leading causes of death in the United States by age group, 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). For details on the differences between the 1997 OMB standards and the previous 1977 standards, see “Comparability of Race-specific Mortality Data Based on 1977 Versus 1997 Reporting Standards” (4). This report supplements “Deaths: Final Data for 2022,” which separately presents final national mortality statistics for 2022 (5). Also presented in this report is the procedure used by the National Center for Health Statistics 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 2022. Death certificates are generally completed by funeral directors, attending physicians, medical examiners, and coroners. Cause-of-death statistics for 2022 presented in this report are classified according to the 10th revision of ICD (6). Discussions of the cause-of-death classification and coding rule changes in data year 2022 are provided in the Technical Notes at the end of this report.

Procedures for ranking causes of death

The procedures that the National Center for Health Statistics 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.

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 not 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). As a result, 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 the 10th revision of ICD, the “List of 113 Selected Causes of Death and Enterocolitis due to *Clostridium difficile* and COVID-19” (8), shown in [Table A](#), is used to select 52 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). COVID-19 was added in data year 2020 due to its emergence as a leading cause of death.

Selection of the 52 rankable causes was guided by some basic principles. As done previously, vaguely defined categories were excluded from selection as rankable causes. These included the category “Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified” and all categories beginning with the words “other,” “all other,” “certain other,” or “unspecified.” Among the remaining cause-of-death categories, decisions were made to select as rankable the causes of death considered most useful from a public health perspective, with the following condition: The rankable causes must be mutually exclusive. If a category containing subcategories (for example, 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.

Table A. List of 113 selected causes of death and Enterocolitis due to *Clostridium difficile* and COVID-19[An asterisk (*) preceding a cause-of-death code indicates that the code is not included in the *International Classification of Diseases, 10th Revision (ICD-10)*]

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

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

Number ¹	Cause of death (based on ICD-10)
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* and COVID-19—Con.[An asterisk (*) preceding a cause-of-death code indicates that the code is not included in the *International Classification of Diseases, 10th Revision (ICD-10)*]

Number ¹	Cause of death (based on ICD-10)
#	Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0)
105	Intentional self-harm (suicide) by discharge of firearms (X72–X74)
106	Intentional self-harm (suicide) by other and unspecified means and their sequelae..... (*U03,X60–X71,X75–X84,Y87.0)
#	Assault (homicide)..... (*U01–*U02,X85–Y09,Y87.1)
107	Assault (homicide) by discharge of firearms (*U01.4,X93–X95)
108	Assault (homicide) by other and unspecified means and their sequelae..... (*U01.0–*U01.3,*U01.5–*U01.9,*U02,X85–X92,X96–Y09,Y87.1)
109#	Legal intervention (Y35,Y89.0)
	Events of undetermined intent (Y10–Y34,Y87.2,Y89.9)
110	Discharge of firearms, undetermined intent (Y22–Y24)
111	Other and unspecified events of undetermined intent and their sequelae..... (Y10–Y21,Y25–Y34,Y87.2,Y89.9)
112#	Operations of war and their sequelae..... (Y36,Y89.1)
113#	Complications of medical and surgical care..... (Y40–Y84,Y88)
#	Enterocolitis due to <i>Clostridium difficile</i> (A04.7) ²
#	COVID-19..... (U07.1)

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

SOURCE: National Center for Health Statistics, National Vital Statistics System, mortality data file.

Beginning with 1980 mortality data, the National Center for Health Statistics 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 “List of 130 Selected Causes of Infant Death” (8) (Table B) in ICD’s 10th revision 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 52 rankable causes in the “List of 113 Selected Causes of Death” or from the 71 rankable causes of the “List of 130 Selected Causes of Infant Death.”

Age groupings

Leading causes of death for those age 1 year and older 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 older, 65–74, 75–84, and 85 and older. 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). 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 older, and 85 and older. Table 2, which presents data for infants (younger than age 1 year), also shows leading causes of death for the age subcategories neonatal (younger than 28 days) and postneonatal (28 days through 11 months).

The age grouping used when ranking causes of death can impact the rankings assigned to any particular age (12). For example, in 2022, the rankings for the 10 leading causes of death for a 45-year-old man differed depending on whether the ranking was based on the age group 45–49 or 45–54. For example, the category Accidents (unintentional injuries) was ranked first for men ages 45–49 but second for men ages 45–54. Heart disease was ranked second for men ages 45–49 but first for men ages 45–54. Several other differences in the rankings were observed as well. As a result, the relative importance of these two causes for men at or near age 45 changes depending on the age category selected.

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 of Death (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: American Indian and Alaska Native, Asian, Black or African American, Native Hawaiian and Other Pacific Islander, and White. The 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 the 1977 OMB standards (15): American Indian and Alaska Native, Asian or Pacific Islander, Black, and White. 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 are provided as supplemental information through data year 2020 to allow comparisons over time. For more details about the

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

Number ¹	Cause of death (based on ICD-10)
	Certain infectious and parasitic diseases (A00–B99,U07.1)
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)
54#	Hernia of abdominal cavity and intestinal obstruction without hernia (K40–K46,K56)

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 ¹	Cause of death (based on ICD-10)
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)
107	Edward syndrome (Q91.0–Q91.3)

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 ¹	Cause of death (based on ICD-10)
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)

¹Causes 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 data file.

2003 revision of the death certificate, delays in implementing the revision, and race bridging of deaths and population estimates, see “Deaths: Final Data for 2022” (5).

This report presents combined single-race and Hispanic-origin categories consistent with the 1997 OMB standards as: Hispanic; American Indian and Alaska Native non-Hispanic (subsequently, American Indian and Alaska Native); Asian non-Hispanic (subsequently, Asian); Black non-Hispanic (subsequently, Black); Native Hawaiian and Other Pacific Islander non-Hispanic (subsequently, Native Hawaiian and Other Pacific Islander); and White non-Hispanic (subsequently, White). Because the number of decedents for whom two or more races were reported is small (0.6% of deaths in 2022), multiple-race decedents are included in totals but are not distributed among race and Hispanic-origin categories. For details on the differences between bridged- and single-race mortality estimates, see “Comparability of Race-specific Mortality Data Based on 1977 Versus 1997 Reporting Standards” (4).

Race and Hispanic origin are reported separately on the death certificate; consequently, leading-cause data presented in this report for non-Hispanic decedents reflect a combination of these two characteristics. People of Hispanic origin may be of any race, and data are not tabulated by race in this report. As a result, total Hispanic-origin data in this report 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 American Indian and Alaska Native population are estimated to be underreported by 34%, the Asian or Pacific Islander population by 3%, and the Hispanic-origin population by 3% (16,17). As a result, data for these groups should generally be interpreted with caution. Although the findings on net misclassification noted are 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. Although a recent report found some variation in misclassification by cause of death for the American Indian and Alaska Native population (17), this finding 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.

Results

In 2022, the 10 leading causes of death accounted for 72.3% of all deaths occurring in the United States (Table C). The first and second leading causes of death, Diseases of heart (heart disease) and Malignant neoplasms (cancer), respectively, together accounted for 40.0% of all deaths in 2022. Accidents (unintentional injuries) ranked third, accounting for 6.9% of all deaths. COVID-19 ranked fourth, and Cerebrovascular diseases

(stroke) ranked fifth; these causes accounted for 5.7% and 5.0% of all deaths, respectively. Completing the top 10 for 2022 were Chronic lower respiratory diseases (6th); Alzheimer disease (7th); Diabetes mellitus (diabetes) (8th); Nephritis, nephrotic syndrome, and nephrosis (kidney disease) (9th); and Chronic liver disease and cirrhosis (liver disease) (10th)—these five causes together accounted for 14.7% of deaths in 2022.

The ranked order of 4 of the 10 leading causes in 2022 changed compared with 2021 (18). Unintentional injuries and COVID-19 switched places and were ranked third and fourth in 2022, respectively. Kidney disease and liver disease also switched places in 2022 and were ranked 9th and 10th, respectively.

The number of deaths due to seven leading causes increased from 2021 to 2022: kidney disease by 6.6%, Chronic lower respiratory diseases by 3.5%, stroke by 1.5%, heart disease by 1.1%, unintentional injuries by 0.9%, Alzheimer disease by 0.6%, and cancer by 0.5% (Table C). The number of deaths due to COVID-19 in 2022 (186,552) was less than one-half the number in 2021 (416,893), a 55.3% decline. Deaths due to liver disease declined by 3.1% from 2021 to 2022, and diabetes by 2.0%.

Differences by sex

Males and females shared 8 of the 10 leading causes of death, with identical rankings for 4 of these causes. For both populations, heart disease and cancer ranked as the first and second leading causes of death, respectively (Figure 1, Table 1). In 2022, heart disease accounted for 22.5% of all deaths to males and 20.3% of all deaths to females. The percentage of all deaths attributable to cancer was essentially the same for males and females, 18.6% and 18.5%, respectively. COVID-19 was ranked fourth for both males and females and accounted for 6.0% and 5.4% of deaths, respectively. Another leading cause of death with the same rankings for males and females was Chronic lower respiratory diseases, ranked sixth; however, the burden of deaths from this cause was higher for females than males (5.0% of all deaths compared with 4.0%).

Males and females differed in the ranking of other causes of death. In 2022, males had a higher relative burden of mortality from unintentional injuries, which was the third leading cause of death for this group, accounting for 8.8% of deaths (Figure 1, Table 1). It was the seventh leading cause for females, accounting for 4.8% of deaths. Males had a lower relative burden of mortality from stroke, which ranked fifth and accounted for 4.2% of all male deaths but ranked third and accounted for 6.0% of all female deaths. Diabetes ranked seventh for males but eighth for females, accounting for 3.3% and 2.8% of all deaths, respectively. Alzheimer disease ranked ninth for males, accounting for 2.2% of deaths, while it ranked fifth for females, accounting for 5.3% of deaths.

Additionally, 2 of the 10 leading causes of death were unique to either population in 2022. Suicide ranked eighth for males (2.3% of deaths) but was not ranked among the 10 leading causes for females. Chronic liver disease and cirrhosis was the 10th leading cause for males (2.0%), but it was not in the top 10 for females. Kidney disease ranked 9th (1.8%) and hypertension disease ranked 10th (1.5%) for females, but neither was among the 10 leading causes of death for males.

The rank of two of the 10 leading causes for males changed in 2022 from 2021 (18), while for females, four causes changed ranks and one cause was new in 2022. For both males and females, COVID-19 moved down one position in 2022 compared with 2021, to become the fourth leading cause of death. The number and percentage of all deaths attributable to COVID-19 in 2022 for both males and females was less than one-half of the 2021 levels. For males, unintentional injuries moved up one position to rank third, while for females, stroke moved up two positions to rank third in 2022. In addition, for females, Alzheimer disease dropped one position from 2021 to 2022, to rank fifth; kidney disease moved up one rank, from 10th in 2021 to 9th in 2022; and hypertension entered the 10 leading causes in 2022 at the 10th rank.

Table C. Number of deaths and percentage of total deaths for the 10 leading causes of death: United States, 2022 and 2021

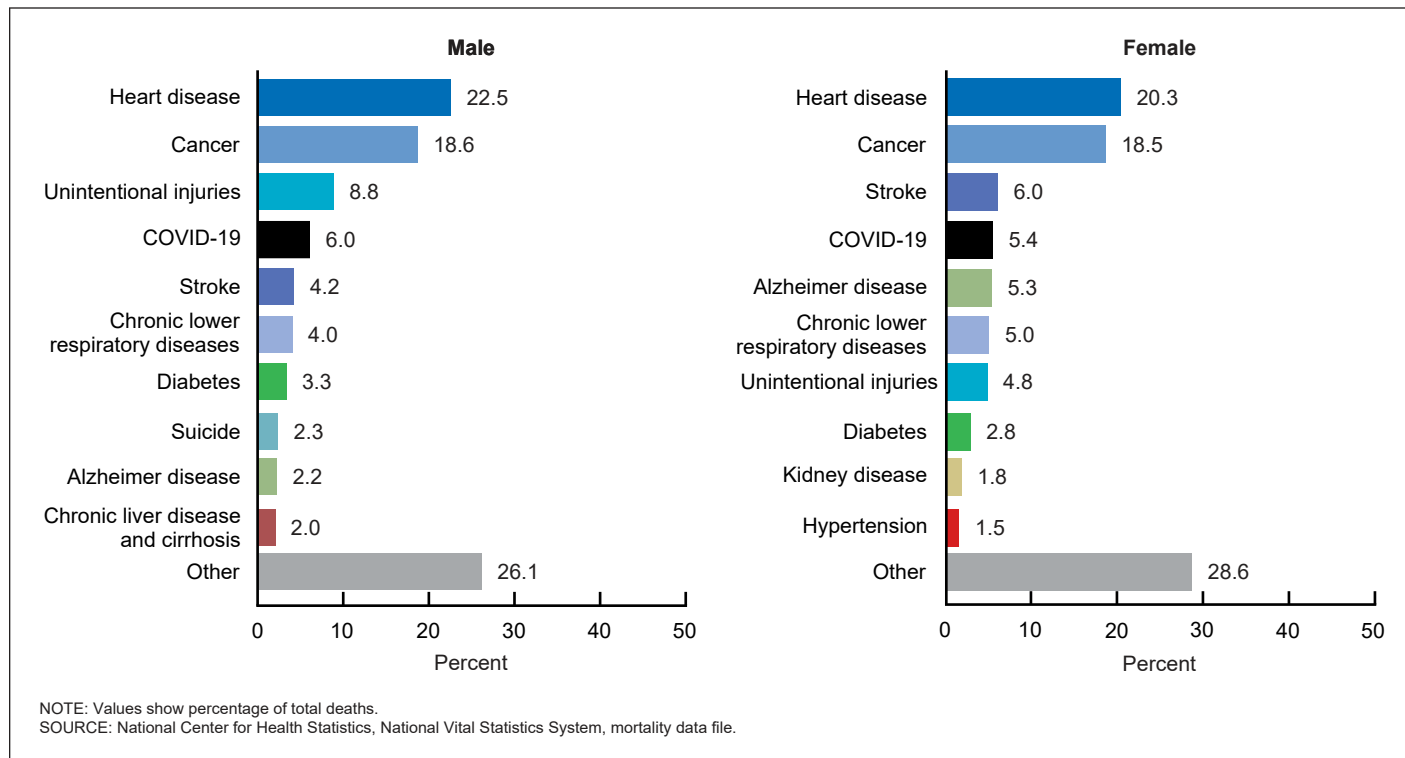
Cause of death (based on <i>International Classification of Diseases, 10th Revision</i>)	2022			2021		
	Rank ¹	Deaths	Percent of total deaths	Rank ¹	Deaths	Percent of total deaths
All causes . . . . .	...	3,279,857	100.0	...	3,464,231	100.0
Diseases of heart (I00–I09,I11,I13,I20–I51)	1	702,880	21.4	1	695,547	20.1
Malignant neoplasms (C00–C97)	2	608,371	18.5	2	605,213	17.5
Accidents (unintentional injuries) (V01–X59,Y85–Y86)	3	227,039	6.9	4	224,935	6.5
COVID-19 (U07.1)	4	186,552	5.7	3	416,893	12.0
Cerebrovascular diseases (I60–I69)	5	165,393	5.0	5	162,890	4.7
Chronic lower respiratory diseases (J40–J47)	6	147,382	4.5	6	142,342	4.1
Alzheimer disease (G30)	7	120,122	3.7	7	119,399	3.4
Diabetes mellitus (E10–E14)	8	101,209	3.1	8	103,294	3.0
Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27)	9	57,937	1.8	10	54,358	1.6
Chronic liver disease and cirrhosis (K70,K73–K74)	10	54,803	1.7	9	56,585	1.6

... Category not applicable.

¹Based on number of deaths.

SOURCE: National Center for Health Statistics, National Vital Statistics System, mortality data file.

Figure 1. Percent distribution of the 10 leading causes of death, by sex: United States, 2022



Differences by age

Differing patterns in the leading causes of death were observed by age group, although all groups shared four of the leading causes: heart disease, cancer, unintentional injuries, and COVID-19 (Figure 2). Generally for younger age groups, external causes (unintentional injuries, suicide, and homicide) accounted for more deaths than other causes, whereas for older age groups, chronic diseases were more prevalent. In 2022, the leading cause of death for the population ages 1–44 was unintentional injuries. The relative burden of mortality from this cause was greater in this age range, accounting for 40.1% of deaths for age group 10–24, 37.7% for age group 25–44, and 30.0% for age group 1–9. In contrast, Unintentional injuries was the third leading cause of death for age group 45–64 (10.9% of deaths) and the seventh leading cause for age groups 65 and older (3.0%) and 85 and older (2.9%). For the population ages 45–64, the leading cause of death was cancer, accounting for 23.1% of deaths. Cancer was the second leading cause for those age 65 and older (18.6% of deaths) and 85 and older (10.9%). Cancer was the third leading cause for those ages 1–9 years (9.8%), and the fourth leading cause for those ages 10–24 (4.8%) and 25–44 (8.0%). For the population age 65 and older, heart disease was the leading cause, accounting for 23.4% of deaths. It was also the leading cause for the population age 85 and older, accounting for 26.7% of deaths. However, heart disease was the sixth leading cause for age group 1–9 (2.6%), the fifth for age group 10–24 (2.6%), the third for age group 25–44 (8.6%), and the second for age group 45–64 (19.6%).

COVID-19 was the fourth leading cause for the total population in 2022, but its rank varied by age. The highest rank

for COVID-19 among age groups was third for age 65 and older, accounting for 6.0% of all deaths. The lowest rank for COVID-19 was seventh for ages 1–9, 10–24, and 25–44, accounting for 2.4%, 1.3%, and 2.9% of all deaths, respectively.

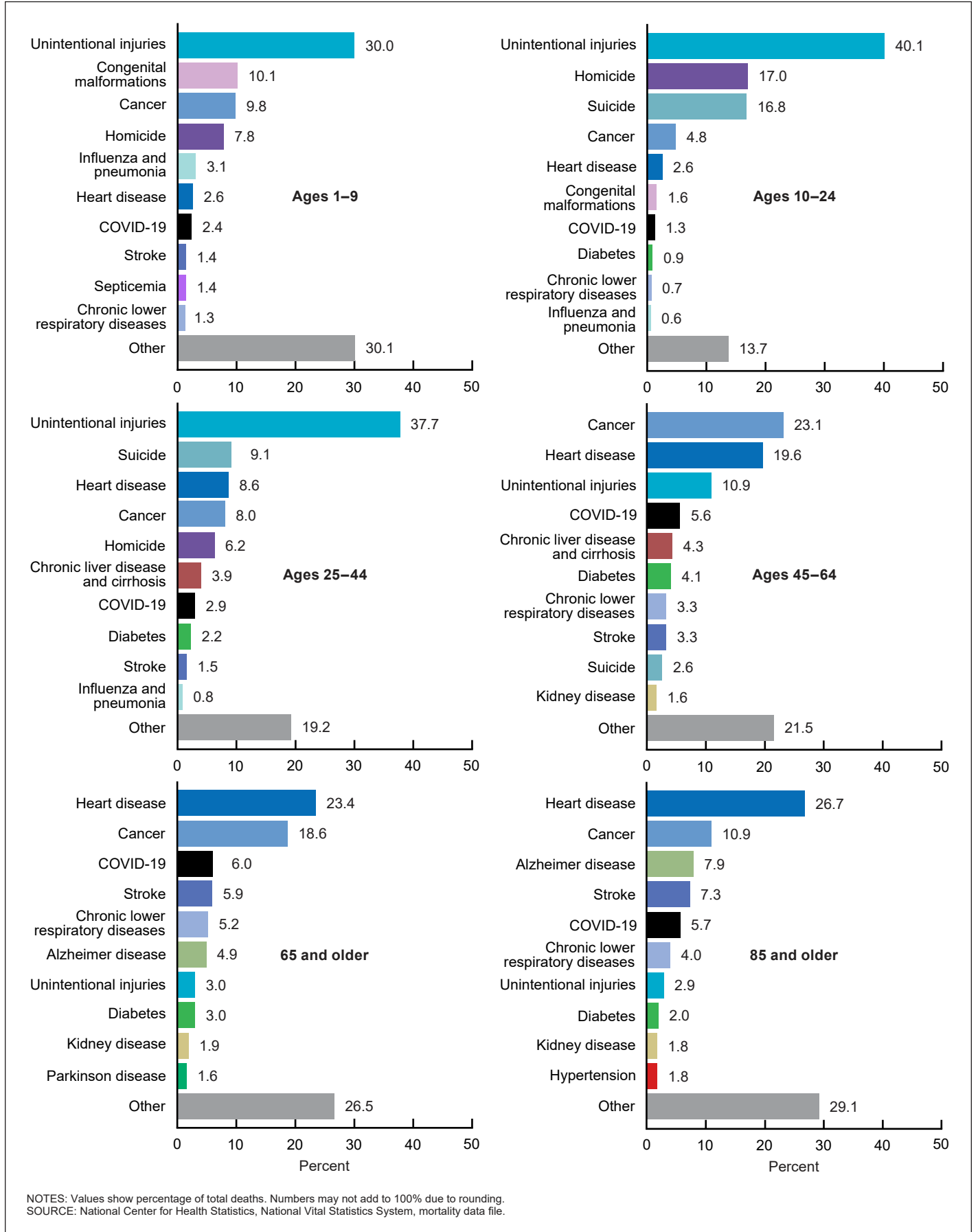
Stroke ranked in the 10 leading causes for all age groups except 10–24, although its rank and burden of mortality were higher at older ages. Stroke ranked fourth for those age 65 and older (5.9%) and 85 and older (7.3%), but ranked eighth for ages 1–9 and 45–64 and ninth for ages 25–44.

Diabetes was among the 10 leading causes of death for all age groups except 1–9, with the highest rank and burden of disease for those ages 45–64 (sixth, 4.1% of deaths). Chronic lower respiratory disease ranked in the 10 leading causes for all age groups except 25–44, with its highest rank of fifth for age group 65 and older (5.2%).

For the population ages 10–64, suicide was among the 10 leading causes of death: Suicide was the second leading cause of death for age group 25–44 (9.1% of deaths), the third leading cause for age group 10–24 (16.8%), and the ninth leading cause for age group 45–64 (2.6%). Homicide was among the 10 leading causes of death for the population ages 1–44, ranking fourth for age group 1–9 (7.8% of deaths), second for age group 10–24 (17.0%), and fifth for age group 25–44 (6.2%). In addition, Influenza and pneumonia ranked 9th for ages 1–9 and 10th for the 10–24 and 25–44 populations, but it was not ranked among the 10 leading causes for age 45 and older. Kidney disease ranked 9th or 10th for all age groups 45 and older but was not among the 10 leading causes at younger ages.

Some causes of death were concentrated to just a few age groups. Congenital malformations, deformations and chromosomal abnormalities (congenital malformations) was the

Figure 2. Percent distribution of the 10 leading causes of death, by age group: United States, 2022



second leading cause for age group 1–9 (10.1% of deaths) and the sixth leading cause for age group 10–24 (1.6%), but it was not among the 10 leading causes for the population age 25 and older. For the population ages 25–44 and 45–64, liver disease was ranked sixth (3.9% of deaths) and fifth (4.3%), respectively, but was not among the 10 leading causes of death for all other age groups.

Alzheimer disease was one of the leading causes of death at the oldest ages, ranking third for those age 85 and older (7.9% of deaths) and sixth for those age 65 and older (4.9%). It was not one of the 10 leading causes for the population age 64 and younger.

Some notable changes in ranking were observed from 2021 to 2022 for some of the age groups. COVID-19 dropped in rank from 2021 to 2022 for all age groups except 65 and older, where it remained third. The largest drop in rank for COVID-19 was for those ages 25–44, from second in 2021 to seventh in 2022. Partly due to this change for COVID-19, many other causes for age group 25–44 also changed ranks in 2022—suicide increased from 4th in 2021 to 2nd in 2022, cancer increased from 5th to 4th, liver disease increased from 7th to 6th, and Influenza and pneumonia ranked 10th, replacing septicemia, which fell out of the top 10. Other age groups experienced shifts as well, partly influenced by the drop in rank for COVID-19. Another notable change in 2022 was for ages 10–24, where homicide and suicide switched ranks compared with 2021, to second and third, respectively.

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 2022. Deaths for the Hispanic population and the non-Hispanic populations other than White and Black are underreported to varying degrees on the death certificate (5,16). The six groups shared eight of the leading causes but had different relative disease burdens.

Heart disease was the leading cause of death for all groups except for the Asian non-Hispanic (subsequently, Asian) population, where it was the second leading cause (Table D). The burden of mortality from heart disease was relatively similar for the White non-Hispanic (subsequently, White), Native Hawaiian and Other Pacific Islander non-Hispanic (subsequently, Native Hawaiian and Other Pacific Islander), and Black non-Hispanic (subsequently, Black) populations, accounting for 22.0%, 21.9%, and 21.6% of all deaths, respectively. Among the six race and Hispanic-origin groups, heart disease accounted for the smallest percentage of deaths for the American Indian and Alaska Native non-Hispanic (subsequently, American Indian and Alaska Native) population (15.9%).

Asian people were the only group to have cancer as the first leading cause and had the highest burden of mortality from cancer of any group, accounting for 22.2% of all deaths. Cancer ranked second for all other groups except for American Indian and Alaska Native people, where it ranked third and had the lowest percentage of deaths due to cancer of all groups (13.3%).

Unintentional injuries ranked second for the American Indian and Alaska Native population and had the highest percentage of deaths of any group attributable to this cause (13.3%).

Unintentional injuries ranked third for the Hispanic (10.4%), Black (8.4%), Native Hawaiian and Other Pacific Islander (6.8%), and White (6.2%) populations. Unintentional injuries ranked fifth for the Asian population (4.5%).

COVID-19 ranked fourth for Hispanic, American Indian and Alaska Native, Asian, and White people but fifth for Black people and sixth for Native Hawaiian and Other Pacific Islander people. The burden of mortality for COVID-19 ranged from 7.4% of all deaths in Hispanic people to 5.3% in Black people.

Stroke, diabetes, Chronic lower respiratory diseases, and kidney disease also ranked among the top 10 causes of death for each race and Hispanic-origin group. Stroke ranked third for the Asian population (7.2% of deaths), fourth for the Black population (5.5%), fifth for the Hispanic (5.2%) and Native Hawaiian and Other Pacific Islander (6.5%) populations, sixth for the White population (4.9%), and eighth for the American Indian and Alaska Native population (3.2%).

Diabetes ranked fourth for the Native Hawaiian and Other Pacific Islander population; sixth for the Asian, American Indian and Alaska Native, Black, and Hispanic populations; and eighth for the White population. The percentage of deaths attributable to diabetes was highest for the Native Hawaiian and Other Pacific Islander population (6.6%) and lowest for the White population (2.6%).

Chronic lower respiratory diseases ranked 5th for the White population, 7th for the American Indian and Alaska Native population, 8th for the Native Hawaiian and Other Pacific Islander and Black populations, 9th for the Hispanic population, and 10th for the Asian population. The percentage of all deaths attributable to Chronic lower respiratory diseases ranged from 5.2% for White people to 2.0% for Hispanic and Asian people.

Kidney disease ranked 7th for the Native Hawaiian and Other Pacific Islander population, 8th for the Asian population, and either 9th or 10th for all other groups. The percentage of all deaths attributable to kidney disease ranged from 2.7% for Black people to 1.6% for White people.

Some of the leading causes were shared by some groups but not by others. Alzheimer disease ranked 7th for the Hispanic, Asian, and White populations; 9th for the Native Hawaiian and Other Pacific Islander population; and 10th for the Black population, but it was not one of the 10 leading causes of death in 2022 for the American Indian and Alaska Native population. Chronic liver disease and cirrhosis ranked 5th for the American Indian and Alaska Native population, 8th for the Hispanic population, and 10th for the White population but was not one of the 10 leading causes for the other groups. Suicide was among the top 10 leading causes of death for American Indian and Alaska Native (9th) and Native Hawaiian and Other Pacific Islander (10th) people. Essential hypertension ranked among the top 10 only for Asian people (9th), and homicide only for Black people (7th).

All groups experienced changes in the leading-cause rankings from 2021 to 2022 (17). Three groups—Hispanic, American Indian and Alaska Native, and Native Hawaiian and Other Pacific Islander people—experienced a change in the top leading cause, from COVID-19 in 2021 to heart disease in 2022. Other changes in rankings were partly related to COVID-19 dropping in rank for all groups.

Table D. Number of deaths and percentage of total deaths for the 10 leading causes of death, by race and Hispanic origin: United States, 2022

[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. People of Hispanic origin may be of any race. Data for Hispanic people are not tabulated by race; data for non-Hispanic people are tabulated by race. Data for racial and ethnic groups other than White non-Hispanic and Black non-Hispanic 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, single race ¹																	
	Hispanic			American Indian and Alaska Native			Asian			Black			Native Hawaiian and Other Pacific Islander			White		
	Rank ¹	Deaths	Percent of total deaths	Rank ¹	Deaths	Percent of total deaths	Rank ¹	Deaths	Percent of total deaths	Rank ¹	Deaths	Percent of total deaths	Rank ¹	Deaths	Percent of total deaths	Rank ¹	Deaths	Percent of total deaths
All causes . . . . .	...	275,684	100.0	...	23,613	100.0	...	89,591	100.0	...	411,934	100.0	...	4,592	100.0	...	2,448,093	100.0
Diseases of heart (I00-I09,I11,I13,I20-I51)	1	47,715	17.3	1	3,753	15.9	2	18,091	20.2	1	88,964	21.6	1	1,004	21.9	1	537,969	22.0
Malignant neoplasms (C00-C97)	2	47,021	17.1	3	3,137	13.3	1	19,864	22.2	2	70,698	17.2	2	849	18.5	2	462,834	18.9
Accidents (unintentional injuries) (V01-X59,Y85-Y86)	3	28,699	10.4	2	3,146	13.3	5	4,046	4.5	3	34,644	8.4	3	314	6.8	3	152,647	6.2
COVID-19 (U07.1)	4	20,499	7.4	4	1,690	7.2	4	5,450	6.1	5	21,896	5.3	6	285	6.2	4	135,484	5.5
Cerebrovascular diseases (I60-I69)	5	14,224	5.2	8	747	3.2	3	6,482	7.2	4	22,656	5.5	5	298	6.5	6	119,929	4.9
Diabetes mellitus (E10-E14)	6	12,508	4.5	6	1,219	5.2	6	3,709	4.1	6	17,954	4.4	4	303	6.6	8	64,701	2.6
Alzheimer disease (G30)	7	9,552	3.5	13	337	1.4	7	3,448	3.8	10	9,284	2.3	9	98	2.1	7	96,899	4.0
Chronic liver disease and cirrhosis (K70,K73-K74)	8	8,933	3.2	5	1,579	6.7	15	910	1.0	14	4,017	1.0	15	46	1.0	10	38,779	1.6
Chronic lower respiratory diseases (J40-J47)	9	5,615	2.0	7	761	3.2	10	1,785	2.0	8	10,990	2.7	8	109	2.4	5	127,003	5.2
Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	10	5,299	1.9	10	434	1.8	8	1,985	2.2	9	10,921	2.7	7	121	2.6	9	38,813	1.6
Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	11	5,122	1.9	9	650	2.8	12	1,459	1.6	15	3,826	0.9	10	95	2.1	11	37,481	1.5
Assault (homicide) (*U01-*U02,X85-Y09,Y87.1)	12	4,482	1.6	12	386	1.6	21	310	0.3	7	13,236	3.2	14	52	1.1	21	5,980	0.2
Essential hypertension (I10,I12,I15)	14	3,806	1.4	15	219	0.9	9	1,903	2.1	11	7,673	1.9	12	68	1.5	15	29,296	1.2

... Category not applicable.

¹Based on number of deaths. Ranks above 10 are provided for informational purposes when a cause is among the top 10 for at least one of the groups being compared.

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 data file.

Table E. Number of deaths and percentage of total deaths for the 10 leading causes of infant death: United States, 2022 and 2021

Cause of death (based on <i>International Classification of Diseases, 10th Revision</i>)	2022			2021		
	Rank ¹	Deaths	Percent of total deaths	Rank ¹	Deaths	Percent of total deaths
All causes . . . . .	...	20,553	100.0	...	19,920	100.0
Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	1	3,970	19.3	1	3,963	19.9
Disorders related to short gestation and low birth weight, not elsewhere classified (P07)	2	2,884	14.0	2	2,946	14.8
Sudden infant death syndrome (R95)	3	1,529	7.4	3	1,459	7.3
Accidents (unintentional injuries) (V01–X59)	4	1,354	6.6	4	1,306	6.6
Newborn affected by maternal complications of pregnancy (P01)	5	1,215	5.9	5	1,113	5.6
Newborn affected by complications of placenta, cord and membranes (P02)	6	649	3.2	6	672	3.4
Bacterial sepsis of newborn (P36)	7	636	3.1	7	557	2.8
Respiratory distress of newborn (P22)	8	455	2.2	8	414	2.1
Intrauterine hypoxia and birth asphyxia (P20–P21)	9	362	1.8	10	358	1.8
Diseases of the circulatory system (I00–I99)	10	356	1.7	9	402	2.0

... Category not applicable.

¹Based on number of deaths.

SOURCE: National Center for Health Statistics, National Vital Statistics System, mortality data file.

Leading causes of infant death

The leading cause of infant death in 2022 was congenital malformations, which accounted for 19.3% of all infant deaths (Table E). The second leading cause was Disorders related to short gestation and low birth weight, not elsewhere classified (low birth weight) (14.0% of deaths). Sudden infant death syndrome ranked third and accounted for 7.4% of deaths. Unintentional injuries was the fourth leading cause (6.6% of deaths), and Newborn affected by maternal complications of pregnancy (maternal complications) was the fifth leading cause (5.9%). In 2022, more than one-half of infant deaths were attributable to these five leading causes (53.3%). Other leading causes in 2022 were Newborn affected by complications of placenta, cord and membranes (ranked 6th); Bacterial sepsis of newborn (7th); Respiratory distress of newborn (8th); Intrauterine hypoxia and birth asphyxia (9th); and Diseases of the circulatory system (10th). Together, these 10 leading causes of infant death accounted for nearly two-thirds of all infant deaths (65.2%).

The only change in the ranked order of the leading causes of death for infants in 2022 from 2021 (18) was that Intrauterine hypoxia and birth asphyxia and Diseases of the circulatory system switched ranks, to 9th and 10th, respectively.

Neonatal and postneonatal mortality

Differences were clearly seen when comparing leading causes of death in the neonatal (younger than 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 2022. In contrast, Sudden infant death syndrome was the leading cause of postneonatal death. Congenital malformations ranked second for both neonates and postneonates. The remaining leading causes of neonatal death were characterized by conditions occurring in the perinatal period (around the time of birth), while in the postneonatal period the remaining leading causes included several conditions prevalent among the general population. These included unintentional

injuries, ranked third; homicide, ranked fifth; Influenza and pneumonia, ranked seventh; and Septicemia, ranked ninth.

The ranked order of the 10 leading causes of neonatal death were the same in 2022 as in 2021 (18). The rankings for 4 of the 10 leading causes of postneonatal death changed in 2022: Congenital malformations and Unintentional injuries switched places, ranking second and third in 2022. Diarrhea and gastroenteritis of infectious origin and Chronic respiratory disease originating in the perinatal period also switched ranks, becoming sixth and eighth in 2022.

Differences in infant mortality, including neonatal and postneonatal mortality, by race and Hispanic origin are detailed in Table 2. However, these differences are not discussed. Race reported on the death certificate is considered to be fairly accurate for White and Black infants, while both race and Hispanic origin may be misreported for other groups (16,17,19–22). 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 (23).

Discussion

Changes in leading causes of death for some demographic groups were observed from 2021 to 2022. In 2022, heart disease ranked first for all race and Hispanic-origin groups except for Asian people, where it ranked second. This was a change from 2021 when COVID-19 ranked first for Hispanic, American Indian and Alaska Native, and Native Hawaiian and Other Pacific Islander people. COVID-19 dropped in rank for each race and Hispanic-origin group, ranging from fourth to sixth. COVID-19 also dropped in rank for all age groups with the exception of people age 65 and older, where it ranked third. Another change from 2021 is that kidney disease ranked in the 10 leading causes of death for all race and Hispanic-origin groups in 2022. For the total population, kidney disease increased its rank from 10th in 2021 to 9th in 2022 and had the largest percentage increase in the number of deaths (6.6%) of any of the 10 leading causes.

Table F. Number of deaths and percentage of total deaths for the 10 leading causes and all other causes of neonatal and postneonatal deaths: United States, 2022

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

Rank ¹	Cause of death (based on ICD-10)	Deaths	Percent of total deaths ²
Neonatal			
...	All causes	13,125	100.0
1	Disorders related to short gestation and low birth weight, not elsewhere classified (P07)	2,807	21.4
2	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	2,739	20.9
3	Newborn affected by maternal complications of pregnancy (P01)	1,203	9.2
4	Newborn affected by complications of placenta, cord and membranes (P02)	632	4.8
5	Bacterial sepsis of newborn (P36)	602	4.6
6	Respiratory distress of newborn (P22)	442	3.4
7	Intrauterine hypoxia and birth asphyxia (P20-P21)	346	2.6
8	Neonatal hemorrhage (P50-P52,P54)	327	2.5
9	Necrotizing enterocolitis of newborn (P77)	311	2.4
10	Atelectasis (P28.0-P28.1)	267	2.0
...	All other causes (residual)	3,449	26.3
Postneonatal			
...	All causes	7,428	100.0
1	Sudden infant death syndrome (R95)	1,374	18.5
2	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	1,231	16.6
3	Accidents (unintentional injuries) (V01-X59)	1,203	16.2
4	Diseases of the circulatory system (I00-I99)	300	4.0
5	Assault (homicide) (*U01,X85-Y09)	236	3.2
6	Chronic respiratory disease originating in the perinatal period (P27)	163	2.2
7	Influenza and pneumonia (J09-J18)	154	2.1
8	Diarrhea and gastroenteritis of infectious origin (A09)	135	1.8
9	Septicemia (A40-A41)	123	1.7
10	Disorders related to short gestation and low birth weight, not elsewhere classified (P07)	77	1.0
...	All other causes (residual)	2,432	32.7

... Category not applicable.

¹Based on number of deaths.

²Percentages may not add to 100 because of rounding.

SOURCE: National Center for Health Statistics, National Vital Statistics System, mortality data file.

This report presents leading causes of death in the United States by age, sex, and race and Hispanic origin, and for the infant, neonatal, and postneonatal periods. Cause-of-death ranking is a standard 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, note 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 younger people, such as suicide, homicide, and unintentional injuries. Leading causes for older populations will tend to show higher rankings for causes that are more prevalent among older people, such as Alzheimer disease, heart disease, cancer, and stroke. In addition, the changes to race and ethnicity classification starting in 2018 should be noted when analyzing changes in rank over time by race and Hispanic origin (4,18).

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 ranked 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 maintaining 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 structure.

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List of Detailed Tables

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Table 1. Number of deaths, percentage of total deaths, and death rate for the 10 leading causes of death in selected age groups, by race and Hispanic origin and sex: United States, 2022

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

Rank ¹	Cause of death (based on ICD-10), race and Hispanic origin, sex, and age group (years)	Number ^{2,3}	Percent of total deaths ²⁻⁴	Death rate ^{2,3}
All races, all origins, both sexes, all ages ⁵				
...	All causes.	3,279,857	100.0	984.1
1	Diseases of heart (I00-I09,I11,I13,I20-I51)	702,880	21.4	210.9
2	Malignant neoplasms (C00-C97)	608,371	18.5	182.5
3	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	227,039	6.9	68.1
4	COVID-19 (U07.1)	186,552	5.7	56.0
5	Cerebrovascular diseases (I60-I69)	165,393	5.0	49.6
6	Chronic lower respiratory diseases (J40-J47)	147,382	4.5	44.2
7	Alzheimer disease (G30)	120,122	3.7	36.0
8	Diabetes mellitus (E10-E149)	101,209	3.1	30.4
9	Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	57,937	1.8	17.4
10	Chronic liver disease and cirrhosis (K70,K73-K74)	54,803	1.7	16.4
...	All other causes (residual)	908,169	27.7	272.5
All races, all origins, both sexes, 1-4				
...	All causes.	4,156	100.0	28.0
1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	1,288	31.0	8.7
2	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	441	10.6	3.0
3	Assault (homicide) (*U01-*U02.9,X85-Y09,Y87.1)	343	8.3	2.3
4	Malignant neoplasms (C00-C97)	266	6.4	1.8
5	Influenza and pneumonia (J09-J18)	129	3.1	0.9
6	Diseases of heart (I00-I09,I11,I13,I20-I51)	103	2.5	0.7
7	COVID-19 (U07.1)	101	2.4	0.7
8	Certain conditions originating in the perinatal period (P00-P96)	62	1.5	0.4
9	Septicemia (A40-A41)	60	1.4	0.4
10	Cerebrovascular diseases (I60-I69)	49	1.2	0.3
...	All other causes (residual)	1,314	31.6	8.8
All races, all origins, both sexes, 5-9				
...	All causes.	2,567	100.0	12.8
1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	726	28.3	3.6
2	Malignant neoplasms (C00-C97)	393	15.3	2.0
3	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	241	9.4	1.2
4	Assault (homicide) (*U01-*U02.9,X85-Y09,Y87.1)	180	7.0	0.9
5	Influenza and pneumonia (J09-J18)	77	3.0	0.4
6	Diseases of heart (I00-I09,I11,I13,I20-I51)	73	2.8	0.4
7	COVID-19 (U07.1)	62	2.4	0.3
8	Chronic lower respiratory diseases (J40-J47)	48	1.9	0.2
9	Cerebrovascular diseases (I60-I69)	45	1.8	0.2
10	Septicemia (A40-A41)	33	1.3	0.2
...	All other causes (residual)	689	26.8	3.4
All races, all origins, both sexes, 10-14				
...	All causes.	3,672	100.0	17.6
1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	926	25.2	4.4
2	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	493	13.4	2.4
3	Malignant neoplasms (C00-C97)	442	12.0	2.1
4	Assault (homicide) (*U01-*U02.9,X85-Y09,Y87.1)	366	10.0	1.8
5	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	205	5.6	1.0
6	Diseases of heart (I00-I09,I11,I13,I20-I51)	145	3.9	0.7
7	COVID-19 (U07.1)	69	1.9	0.3
8	Chronic lower respiratory diseases (J40-J47)	58	1.6	0.3
9	Cerebrovascular diseases (I60-I69)	55	1.5	0.3
10	Influenza and pneumonia (J09-J18)	54	1.5	0.3
...	All other causes (residual)	859	23.4	4.1

See footnotes at end of table.

Table 1. Number of deaths, percentage of total deaths, and death rate for the 10 leading causes of death in selected age groups, by race and Hispanic origin and sex: United States, 2022—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. People of Hispanic origin may be of any race. Data for Hispanic people are not tabulated by race; data for non-Hispanic people are tabulated by race. Data for racial and ethnic groups other than Black non-Hispanic and White non-Hispanic should be interpreted with caution because of misreporting of Hispanic origin and race on the death certificate. An asterisk (*) preceding a cause-of-death code indicates that the code is not included in the *International Classification of Diseases, 10th Revision (ICD-10)*]

Rank ¹	Cause of death (based on ICD-10), race and Hispanic origin, sex, and age group (years)	Number ^{2,3}	Percent of total deaths ²⁻⁴	Death rate ^{2,3}
All races, all origins, both sexes, 15-19				
...	All causes	12,745	100.0	58.9
1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	4,762	37.4	22.0
2	Assault (homicide) (*U01-*U02.9,X85-Y09,Y87.1)	2,781	21.8	12.9
3	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	2,164	17.0	10.0
4	Malignant neoplasms (C00-C97)	631	5.0	2.9
5	Diseases of heart (I00-I09,I11,I13,I20-I51)	286	2.2	1.3
6	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	216	1.7	1.0
7	COVID-19 (U07.1)	161	1.3	0.7
8	Diabetes mellitus (E10-E149)	75	0.6	0.3
9	Chronic lower respiratory diseases (J40-J47)	72	0.6	0.3
10	Influenza and pneumonia (J09-J18)	63	0.5	0.3
...	All other causes (residual)	1,534	12.0	7.1
All races, all origins, both sexes, 20-24				
...	All causes	22,487	100.0	99.0
1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	9,907	44.1	43.6
2	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	3,876	17.2	17.1
3	Assault (homicide) (*U01-*U02.9,X85-Y09,Y87.1)	3,481	15.5	15.3
4	Malignant neoplasms (C00-C97)	790	3.5	3.5
5	Diseases of heart (I00-I09,I11,I13,I20-I51)	562	2.5	2.5
6	COVID-19 (U07.1)	286	1.3	1.3
7	Diabetes mellitus (E10-E149)	249	1.1	1.1
8	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	196	0.9	0.9
9	Pregnancy, childbirth and the puerperium (O00-O99)	132	0.6	0.6
10	Chronic lower respiratory diseases (J40-J47)	125	0.6	0.6
...	All other causes (residual)	2,883	12.8	12.7
All races, all origins, both sexes, 25-34				
...	All causes	74,369	100.0	163.4
1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	33,058	44.5	72.7
2	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	8,663	11.6	19.0
3	Assault (homicide) (*U01-*U02.9,X85-Y09,Y87.1)	6,712	9.0	14.8
4	Diseases of heart (I00-I09,I11,I13,I20-I51)	3,789	5.1	8.3
5	Malignant neoplasms (C00-C97)	3,641	4.9	8.0
6	Chronic liver disease and cirrhosis (K70,K73-K74)	1,786	2.4	3.9
7	COVID-19 (U07.1)	1,640	2.2	3.6
8	Diabetes mellitus (E10-E149)	1,188	1.6	2.6
9	Cerebrovascular diseases (I60-I69)	599	0.8	1.3
10	Pregnancy, childbirth and the puerperium (O00-O99)	591	0.8	1.3
...	All other causes (residual)	12,702	17.1	27.9
All races, all origins, both sexes, 35-44				
...	All causes	111,605	100.0	255.4
1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	36,972	33.1	84.6
2	Diseases of heart (I00-I09,I11,I13,I20-I51)	12,258	11.0	28.1
3	Malignant neoplasms (C00-C97)	11,177	10.0	25.6
4	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	8,185	7.3	18.7
5	Chronic liver disease and cirrhosis (K70,K73-K74)	5,501	4.9	12.6
6	Assault (homicide) (*U01-*U02.9,X85-Y09,Y87.1)	4,765	4.3	10.9
7	COVID-19 (U07.1)	3,841	3.4	8.8
8	Diabetes mellitus (E10-E149)	2,879	2.6	6.6
9	Cerebrovascular diseases (I60-I69)	2,150	1.9	4.9
10	Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	1,029	0.9	2.4
...	All other causes (residual)	22,848	20.5	52.3

Table 1. Number of deaths, percentage of total deaths, and death rate for the 10 leading causes of death in selected age groups, by race and Hispanic origin and sex: United States, 2022—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. People of Hispanic origin may be of any race. Data for Hispanic people are not tabulated by race; data for non-Hispanic people are tabulated by race. Data for racial and ethnic groups other than Black non-Hispanic and White non-Hispanic should be interpreted with caution because of misreporting of Hispanic origin and race on the death certificate. An asterisk (*) preceding a cause-of-death code indicates that the code is not included in the *International Classification of Diseases, 10th Revision (ICD-10)*]

Rank ¹	Cause of death (based on ICD-10), race and Hispanic origin, sex, and age group (years)	Number ^{2,3}	Percent of total deaths ²⁻⁴	Death rate ^{2,3}
All races, all origins, both sexes, 45-54				
...	All causes	183,284	100.0	453.3
1	Malignant neoplasms (C00-C97)	33,363	18.2	82.5
2	Diseases of heart (I00-I09,I11,I13,I20-I51)	32,298	17.6	79.9
3	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	31,394	17.1	77.6
4	COVID-19 (U07.1)	9,678	5.3	23.9
5	Chronic liver disease and cirrhosis (K70,K73-K74)	9,401	5.1	23.3
6	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	7,781	4.2	19.2
7	Diabetes mellitus (E10-E149)	7,364	4.0	18.2
8	Cerebrovascular diseases (I60-I69)	5,563	3.0	13.8
9	Chronic lower respiratory diseases (J40-J47)	2,987	1.6	7.4
10	Assault (homicide) (*U01-U02.9,X85-Y09,Y87.1)	2,740	1.5	6.8
...	All other causes (residual)	40,715	22.2	100.7
All races, all origins, both sexes, 55-64				
...	All causes	417,541	100.0	992.1
1	Malignant neoplasms (C00-C97)	105,133	25.2	249.8
2	Diseases of heart (I00-I09,I11,I13,I20-I51)	85,733	20.5	203.7
3	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	34,017	8.1	80.8
4	COVID-19 (U07.1)	24,252	5.8	57.6
5	Diabetes mellitus (E10-E149)	17,410	4.2	41.4
6	Chronic lower respiratory diseases (J40-J47)	17,138	4.1	40.7
7	Chronic liver disease and cirrhosis (K70,K73-K74)	16,484	3.9	39.2
8	Cerebrovascular diseases (I60-I69)	14,173	3.4	33.7
9	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	7,864	1.9	18.7
10	Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	6,668	1.6	15.8
...	All other causes (residual)	88,669	21.2	210.7
All races, all origins, both sexes, 65 and older				
...	All causes	2,426,775	100.0	4,198.9
1	Diseases of heart (I00-I09,I11,I13,I20-I51)	567,365	23.4	981.7
2	Malignant neoplasms (C00-C97)	452,490	18.6	782.9
3	COVID-19 (U07.1)	146,320	6.0	253.2
4	Cerebrovascular diseases (I60-I69)	142,513	5.9	246.6
5	Chronic lower respiratory diseases (J40-J47)	125,803	5.2	217.7
6	Alzheimer disease (G30)	118,525	4.9	205.1
7	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	72,616	3.0	125.6
8	Diabetes mellitus (E10-E149)	71,985	3.0	124.6
9	Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	47,086	1.9	81.5
10	Parkinson disease (G20-G21)	38,931	1.6	67.4
...	All other causes (residual)	643,141	26.5	1,112.8
All races, all origins, both sexes, 65-74				
...	All causes	668,581	100.0	1,978.7
1	Malignant neoplasms (C00-C97)	178,860	26.8	529.4
2	Diseases of heart (I00-I09,I11,I13,I20-I51)	140,475	21.0	415.7
3	COVID-19 (U07.1)	42,062	6.3	124.5
4	Chronic lower respiratory diseases (J40-J47)	38,712	5.8	114.6
5	Cerebrovascular diseases (I60-I69)	28,384	4.2	84.0
6	Diabetes mellitus (E10-E149)	26,963	4.0	79.8
7	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	23,150	3.5	68.5
8	Chronic liver disease and cirrhosis (K70,K73-K74)	13,178	2.0	39.0
9	Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	12,948	1.9	38.3
10	Septicemia (A40-A41)	10,623	1.6	31.4
...	All other causes (residual)	153,226	22.9	453.5

See footnotes at end of table.

Table 1. Number of deaths, percentage of total deaths, and death rate for the 10 leading causes of death in selected age groups, by race and Hispanic origin and sex: United States, 2022—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. People of Hispanic origin may be of any race. Data for Hispanic people are not tabulated by race; data for non-Hispanic people are tabulated by race. Data for racial and ethnic groups other than Black non-Hispanic and White non-Hispanic should be interpreted with caution because of misreporting of Hispanic origin and race on the death certificate. An asterisk (*) preceding a cause-of-death code indicates that the code is not included in the *International Classification of Diseases, 10th Revision (ICD-10)*]

Rank ¹	Cause of death (based on ICD-10), race and Hispanic origin, sex, and age group (years)	Number ^{2,3}	Percent of total deaths ²⁻⁴	Death rate ^{2,3}
All races, all origins, both sexes, 75–84				
...	All causes	824,903	100.0	4,708.2
1	Diseases of heart (I00–I09,I11,I13,I20–I51)	178,108	21.6	1,016.6
2	Malignant neoplasms (C00–C97)	171,573	20.8	979.3
3	COVID-19 (U07.1)	51,188	6.2	292.2
4	Chronic lower respiratory diseases (J40–J47)	49,746	6.0	283.9
5	Cerebrovascular diseases (I60–I69)	46,421	5.6	265.0
6	Alzheimer disease (G30)	36,133	4.4	206.2
7	Diabetes mellitus (E10–E149)	26,388	3.2	150.6
8	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	22,392	2.7	127.8
9	Parkinson disease (G20–G21)	17,886	2.2	102.1
10	Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27)	17,003	2.1	97.0
...	All other causes (residual)	208,065	25.2	1,187.5
All races, all origins, both sexes, 85 and older				
...	All causes	933,291	100.0	14,389.6
1	Diseases of heart (I00–I09,I11,I13,I20–I51)	248,782	26.7	3,835.8
2	Malignant neoplasms (C00–C97)	102,057	10.9	1,573.5
3	Alzheimer disease (G30)	73,387	7.9	1,131.5
4	Cerebrovascular diseases (I60–I69)	67,708	7.3	1,043.9
5	COVID-19 (U07.1)	53,070	5.7	818.2
6	Chronic lower respiratory diseases (J40–J47)	37,345	4.0	575.8
7	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	27,074	2.9	417.4
8	Diabetes mellitus (E10–E149)	18,634	2.0	287.3
9	Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27)	17,135	1.8	264.2
10	Essential hypertension and hypertensive renal disease (I10,I12,I15)	16,472	1.8	254.0
...	All other causes (residual)	271,627	29.1	4,188.0
All races, all origins, male, all ages ⁵				
...	All causes	1,719,250	100.0	1,040.2
1	Diseases of heart (I00–I09,I11,I13,I20–I51)	386,766	22.5	234.0
2	Malignant neoplasms (C00–C97)	319,336	18.6	193.2
3	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	151,629	8.8	91.7
4	COVID-19 (U07.1)	102,660	6.0	62.1
5	Cerebrovascular diseases (I60–I69)	71,819	4.2	43.5
6	Chronic lower respiratory diseases (J40–J47)	69,004	4.0	41.7
7	Diabetes mellitus (E10–E149)	57,557	3.3	34.8
8	Intentional self-harm (suicide) (*U03,X60–X84,Y87.0)	39,273	2.3	23.8
9	Alzheimer disease (G30)	37,475	2.2	22.7
10	Chronic liver disease and cirrhosis (K70,K73–K74)	34,340	2.0	20.8
...	All other causes (residual)	449,391	26.1	271.9
All races, all origins, male, 1–4				
...	All causes	2,353	100.0	31.0
1	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	786	33.4	10.4
2	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	210	8.9	2.8
3	Assault (homicide) (*U01–*U02.9,X85–Y09,Y87.1)	205	8.7	2.7
4	Malignant neoplasms (C00–C97)	126	5.4	1.7
5	Influenza and pneumonia (J09–J18)	63	2.7	0.8
5	Diseases of heart (I00–I09,I11,I13,I20–I51)	63	2.7	0.8
7	COVID-19 (U07.1)	60	2.5	0.8
8	Certain conditions originating in the perinatal period (P00–P96)	37	1.6	0.5
9	Cerebrovascular diseases (I60–I69)	34	1.4	0.4
10	Septicemia (A40–A41)	28	1.2	0.4
...	All other causes (residual)	741	31.5	9.8

Table 1. Number of deaths, percentage of total deaths, and death rate for the 10 leading causes of death in selected age groups, by race and Hispanic origin and sex: United States, 2022—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. People of Hispanic origin may be of any race. Data for Hispanic people are not tabulated by race; data for non-Hispanic people are tabulated by race. Data for racial and ethnic groups other than Black non-Hispanic and White non-Hispanic should be interpreted with caution because of misreporting of Hispanic origin and race on the death certificate. An asterisk (*) preceding a cause-of-death code indicates that the code is not included in the *International Classification of Diseases, 10th Revision (ICD-10)*]

Rank ¹	Cause of death (based on ICD-10), race and Hispanic origin, sex, and age group (years)	Number ^{2,3}	Percent of total deaths ²⁻⁴	Death rate ^{2,3}
All races, all origins, male, 5-9				
...	All causes	1,423	100.0	13.9
1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	430	30.2	4.2
2	Malignant neoplasms (C00-C97)	214	15.0	2.1
3	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	131	9.2	1.3
4	Assault (homicide) (*U01-*U02.9,X85-Y09,Y87.1)	99	7.0	1.0
5	Influenza and pneumonia (J09-J18)	41	2.9	0.4
6	Diseases of heart (I00-I09,I11,I13,I20-I51)	39	2.7	0.4
7	COVID-19 (U07.1)	33	2.3	0.3
8	Chronic lower respiratory diseases (J40-J47)	24	1.7	0.2
9	Cerebrovascular diseases (I60-I69)	23	1.6	0.2
10	Septicemia (A40-A41)	18	1.3	*
...	All other causes (residual)	371	26.1	3.6
All races, all origins, male, 10-14				
...	All causes	2,164	100.0	20.2
1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	564	26.1	5.3
2	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	303	14.0	2.8
3	Assault (homicide) (*U01-*U02.9,X85-Y09,Y87.1)	258	11.9	2.4
4	Malignant neoplasms (C00-C97)	245	11.3	2.3
5	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	125	5.8	1.2
6	Diseases of heart (I00-I09,I11,I13,I20-I51)	75	3.5	0.7
7	COVID-19 (U07.1)	36	1.7	0.3
8	Chronic lower respiratory diseases (J40-J47)	35	1.6	0.3
9	Cerebrovascular diseases (I60-I69)	31	1.4	0.3
10	Influenza and pneumonia (J09-J18)	28	1.3	0.3
...	All other causes (residual)	464	21.4	4.3
All races, all origins, male, 15-19				
...	All causes	9,180	100.0	82.8
1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	3,328	36.3	30.0
2	Assault (homicide) (*U01-*U02.9,X85-Y09,Y87.1)	2,407	26.2	21.7
3	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	1,643	17.9	14.8
4	Malignant neoplasms (C00-C97)	348	3.8	3.1
5	Diseases of heart (I00-I09,I11,I13,I20-I51)	184	2.0	1.7
6	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	125	1.4	1.1
7	COVID-19 (U07.1)	92	1.0	0.8
8	Chronic lower respiratory diseases (J40-J47)	40	0.4	0.4
9	Influenza and pneumonia (J09-J18)	38	0.4	0.3
9	Legal intervention (Y35,Y89.0)	38	0.4	0.3
...	All other causes (residual)	937	10.2	8.5
All races, all origins, male, 20-24				
...	All causes	16,457	100.0	141.8
1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	7,200	43.8	62.1
2	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	3,136	19.1	27.0
3	Assault (homicide) (*U01-*U02.9,X85-Y09,Y87.1)	2,929	17.8	25.2
4	Malignant neoplasms (C00-C97)	502	3.1	4.3
5	Diseases of heart (I00-I09,I11,I13,I20-I51)	360	2.2	3.1
6	COVID-19 (U07.1)	176	1.1	1.5
7	Diabetes mellitus (E10-E149)	145	0.9	1.2
8	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	120	0.7	1.0
9	Legal intervention (Y35,Y89.0)	77	0.5	0.7
10	Chronic lower respiratory diseases (J40-J47)	71	0.4	0.6
...	All other causes (residual)	1,741	10.6	15.0

See footnotes at end of table.

Table 1. Number of deaths, percentage of total deaths, and death rate for the 10 leading causes of death in selected age groups, by race and Hispanic origin and sex: United States, 2022—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. People of Hispanic origin may be of any race. Data for Hispanic people are not tabulated by race; data for non-Hispanic people are tabulated by race. Data for racial and ethnic groups other than Black non-Hispanic and White non-Hispanic should be interpreted with caution because of misreporting of Hispanic origin and race on the death certificate. An asterisk (*) preceding a cause-of-death code indicates that the code is not included in the *International Classification of Diseases, 10th Revision (ICD-10)*]

Rank ¹	Cause of death (based on ICD-10), race and Hispanic origin, sex, and age group (years)	Number ^{2,3}	Percent of total deaths ²⁻⁴	Death rate ^{2,3}
All races, all origins, male, 25-34				
...	All causes	52,511	100.0	226.4
1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	24,407	46.5	105.2
2	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	6,928	13.2	29.9
3	Assault (homicide) (*U01-*U02.9,X85-Y09,Y87.1)	5,618	10.7	24.2
4	Diseases of heart (I00-I09,I11,I13,I20-I51)	2,581	4.9	11.1
5	Malignant neoplasms (C00-C97)	1,829	3.5	7.9
6	Chronic liver disease and cirrhosis (K70,K73-K74)	1,163	2.2	5.0
7	COVID-19 (U07.1)	1,005	1.9	4.3
8	Diabetes mellitus (E10-E149)	731	1.4	3.2
9	Human immunodeficiency virus (HIV) disease (B20-B24)	388	0.7	1.7
10	Cerebrovascular diseases (I60-I69)	331	0.6	1.4
...	All other causes (residual)	7,530	14.3	32.5
All races, all origins, male, 35-44				
...	All causes	73,486	100.0	332.2
1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	26,970	36.7	121.9
2	Diseases of heart (I00-I09,I11,I13,I20-I51)	8,362	11.4	37.8
3	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	6,462	8.8	29.2
4	Malignant neoplasms (C00-C97)	4,837	6.6	21.9
5	Assault (homicide) (*U01-*U02.9,X85-Y09,Y87.1)	3,884	5.3	17.6
6	Chronic liver disease and cirrhosis (K70,K73-K74)	3,487	4.7	15.8
7	COVID-19 (U07.1)	2,240	3.0	10.1
8	Diabetes mellitus (E10-E149)	1,846	2.5	8.3
9	Cerebrovascular diseases (I60-I69)	1,227	1.7	5.5
10	Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	607	0.8	2.7
...	All other causes (residual)	13,564	18.5	61.3
All races, all origins, male, 45-54				
...	All causes	114,847	100.0	566.3
1	Diseases of heart (I00-I09,I11,I13,I20-I51)	22,709	19.8	112.0
2	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	22,690	19.8	111.9
3	Malignant neoplasms (C00-C97)	16,020	13.9	79.0
4	Chronic liver disease and cirrhosis (K70,K73-K74)	6,044	5.3	29.8
5	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	5,977	5.2	29.5
6	COVID-19 (U07.1)	5,732	5.0	28.3
7	Diabetes mellitus (E10-E149)	4,739	4.1	23.4
8	Cerebrovascular diseases (I60-I69)	3,188	2.8	15.7
9	Assault (homicide) (*U01-*U02.9,X85-Y09,Y87.1)	2,182	1.9	10.8
10	Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	1,590	1.4	7.8
...	All other causes (residual)	23,976	20.9	118.2
All races, all origins, male, 55-64				
...	All causes	254,278	100.0	1,230.1
1	Diseases of heart (I00-I09,I11,I13,I20-I51)	59,095	23.2	285.9
2	Malignant neoplasms (C00-C97)	55,931	22.0	270.6
3	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	24,595	9.7	119.0
4	COVID-19 (U07.1)	14,194	5.6	68.7
5	Diabetes mellitus (E10-E149)	11,074	4.4	53.6
6	Chronic liver disease and cirrhosis (K70,K73-K74)	10,718	4.2	51.8
7	Chronic lower respiratory diseases (J40-J47)	8,422	3.3	40.7
8	Cerebrovascular diseases (I60-I69)	8,339	3.3	40.3
9	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	6,098	2.4	29.5
10	Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	3,882	1.5	18.8
...	All other causes (residual)	51,930	20.4	251.2

Table 1. Number of deaths, percentage of total deaths, and death rate for the 10 leading causes of death in selected age groups, by race and Hispanic origin and sex: United States, 2022—Con.

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Rank ¹	Cause of death (based on ICD-10), race and Hispanic origin, sex, and age group (years)	Number ^{2,3}	Percent of total deaths ²⁻⁴	Death rate ^{2,3}
All races, all origins, male, 65 and older				
...	All causes	1,181,093	100.0	4,555.0
1	Diseases of heart (I00-I09,I11,I13,I20-I51)	293,149	24.8	1,130.6
2	Malignant neoplasms (C00-C97)	239,267	20.3	922.8
3	COVID-19 (U07.1)	79,010	6.7	304.7
4	Chronic lower respiratory diseases (J40-J47)	58,507	5.0	225.6
5	Cerebrovascular diseases (I60-I69)	58,493	5.0	225.6
6	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	39,851	3.4	153.7
7	Diabetes mellitus (E10-E149)	38,958	3.3	150.2
8	Alzheimer disease (G30)	36,818	3.1	142.0
9	Parkinson disease (G20-G21)	23,867	2.0	92.0
10	Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	23,816	2.0	91.8
...	All other causes (residual)	289,357	24.5	1,115.9
All races, all origins, male, 65-74				
...	All causes	384,985	100.0	2,419.7
1	Malignant neoplasms (C00-C97)	98,414	25.6	618.5
2	Diseases of heart (I00-I09,I11,I13,I20-I51)	90,270	23.4	567.4
3	COVID-19 (U07.1)	24,492	6.4	153.9
4	Chronic lower respiratory diseases (J40-J47)	19,880	5.2	124.9
5	Diabetes mellitus (E10-E149)	16,049	4.2	100.9
6	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	15,745	4.1	99.0
7	Cerebrovascular diseases (I60-I69)	15,284	4.0	96.1
8	Chronic liver disease and cirrhosis (K70,K73-K74)	8,323	2.2	52.3
9	Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	7,177	1.9	45.1
10	Septicemia (A40-A41)	5,479	1.4	34.4
...	All other causes (residual)	83,872	21.8	527.1
All races, all origins, male, 75-84				
...	All causes	427,507	100.0	5,527.0
1	Diseases of heart (I00-I09,I11,I13,I20-I51)	100,002	23.4	1,292.9
2	Malignant neoplasms (C00-C97)	91,293	21.4	1,180.3
3	COVID-19 (U07.1)	29,033	6.8	375.4
4	Chronic lower respiratory diseases (J40-J47)	23,711	5.5	306.5
5	Cerebrovascular diseases (I60-I69)	21,156	4.9	273.5
6	Diabetes mellitus (E10-E149)	14,549	3.4	188.1
7	Alzheimer disease (G30)	13,196	3.1	170.6
8	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	12,653	3.0	163.6
9	Parkinson disease (G20-G21)	11,423	2.7	147.7
10	Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	8,797	2.1	113.7
...	All other causes (residual)	101,694	23.8	1,314.8
All races, all origins, male, 85 and older				
...	All causes	368,601	100.0	16,139.6
1	Diseases of heart (I00-I09,I11,I13,I20-I51)	102,877	27.9	4,504.6
2	Malignant neoplasms (C00-C97)	49,560	13.4	2,170.0
3	COVID-19 (U07.1)	25,485	6.9	1,115.9
4	Cerebrovascular diseases (I60-I69)	22,053	6.0	965.6
5	Alzheimer disease (G30)	19,995	5.4	875.5
6	Chronic lower respiratory diseases (J40-J47)	14,916	4.0	653.1
7	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	11,453	3.1	501.5
8	Diabetes mellitus (E10-E149)	8,360	2.3	366.1
9	Parkinson disease (G20-G21)	8,183	2.2	358.3
10	Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	7,842	2.1	343.4
...	All other causes (residual)	97,877	26.6	4,285.7

See footnotes at end of table.

Table 1. Number of deaths, percentage of total deaths, and death rate for the 10 leading causes of death in selected age groups, by race and Hispanic origin and sex: United States, 2022—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. People of Hispanic origin may be of any race. Data for Hispanic people are not tabulated by race; data for non-Hispanic people are tabulated by race. Data for racial and ethnic groups other than Black non-Hispanic and White non-Hispanic should be interpreted with caution because of misreporting of Hispanic origin and race on the death certificate. An asterisk (*) preceding a cause-of-death code indicates that the code is not included in the *International Classification of Diseases, 10th Revision (ICD-10)*]

Rank ¹	Cause of death (based on ICD-10), race and Hispanic origin, sex, and age group (years)	Number ^{2,3}	Percent of total deaths ²⁻⁴	Death rate ^{2,3}
All races, all origins, female, all ages ⁵				
...	All causes	1,560,607	100.0	928.9
1	Diseases of heart (I00-I09,I11,I13,I20-I51)	316,114	20.3	188.2
2	Malignant neoplasms (C00-C97)	289,035	18.5	172.0
3	Cerebrovascular diseases (I60-I69)	93,574	6.0	55.7
4	COVID-19 (U07.1)	83,892	5.4	49.9
5	Alzheimer disease (G30)	82,647	5.3	49.2
6	Chronic lower respiratory diseases (J40-J47)	78,378	5.0	46.7
7	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	75,410	4.8	44.9
8	Diabetes mellitus (E10-E149)	43,652	2.8	26.0
9	Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	27,759	1.8	16.5
10	Essential hypertension and hypertensive renal disease (I10,I12,I15)	23,056	1.5	13.7
...	All other causes (residual)	447,090	28.6	266.1
All races, all origins, female, 1-4				
...	All causes	1,803	100.0	24.8
1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	502	27.8	6.9
2	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	231	12.8	3.2
3	Malignant neoplasms (C00-C97)	140	7.8	1.9
4	Assault (homicide) (*U01-*U02.9,X85-Y09,Y87.1)	138	7.7	1.9
5	Influenza and pneumonia (J09-J18)	66	3.7	0.9
6	COVID-19 (U07.1)	41	2.3	0.6
7	Diseases of heart (I00-I09,I11,I13,I20-I51)	40	2.2	0.6
8	Septicemia (A40-A41)	32	1.8	0.4
9	Certain conditions originating in the perinatal period (P00-P96)	25	1.4	0.3
10	Chronic lower respiratory diseases (J40-J47)	19	1.1	*
...	All other causes (residual)	569	31.6	7.8
All races, all origins, female, 5-9				
...	All causes	1,144	100.0	11.7
1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	296	25.9	3.0
2	Malignant neoplasms (C00-C97)	179	15.6	1.8
3	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	110	9.6	1.1
4	Assault (homicide) (*U01-*U02.9,X85-Y09,Y87.1)	81	7.1	0.8
5	Influenza and pneumonia (J09-J18)	36	3.1	0.4
6	Diseases of heart (I00-I09,I11,I13,I20-I51)	34	3.0	0.3
7	COVID-19 (U07.1)	29	2.5	0.3
8	Chronic lower respiratory diseases (J40-J47)	24	2.1	0.2
9	Cerebrovascular diseases (I60-I69)	22	1.9	0.2
10	Septicemia (A40-A41)	15	1.3	*
...	All other causes (residual)	318	27.8	3.3
All races, all origins, female, 10-14				
...	All causes	1,508	100.0	14.8
1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	362	24.0	3.6
2	Malignant neoplasms (C00-C97)	197	13.1	1.9
3	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	190	12.6	1.9
4	Assault (homicide) (*U01-*U02.9,X85-Y09,Y87.1)	108	7.2	1.1
5	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	80	5.3	0.8
6	Diseases of heart (I00-I09,I11,I13,I20-I51)	70	4.6	0.7
7	COVID-19 (U07.1)	33	2.2	0.3
8	Influenza and pneumonia (J09-J18)	26	1.7	0.3
9	Cerebrovascular diseases (I60-I69)	24	1.6	0.2
10	Chronic lower respiratory diseases (J40-J47)	23	1.5	0.2
...	All other causes (residual)	395	26.2	3.9

Table 1. Number of deaths, percentage of total deaths, and death rate for the 10 leading causes of death in selected age groups, by race and Hispanic origin and sex: United States, 2022—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. People of Hispanic origin may be of any race. Data for Hispanic people are not tabulated by race; data for non-Hispanic people are tabulated by race. Data for racial and ethnic groups other than Black non-Hispanic and White non-Hispanic should be interpreted with caution because of misreporting of Hispanic origin and race on the death certificate. An asterisk (*) preceding a cause-of-death code indicates that the code is not included in the *International Classification of Diseases, 10th Revision (ICD-10)*]

Rank ¹	Cause of death (based on ICD-10), race and Hispanic origin, sex, and age group (years)	Number ^{2,3}	Percent of total deaths ²⁻⁴	Death rate ^{2,3}
All races, all origins, female, 15-19				
...	All causes	3,565	100.0	33.8
1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	1,434	40.2	13.6
2	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	521	14.6	4.9
3	Assault (homicide) (*U01-*U02.9,X85-Y09,Y87.1)	374	10.5	3.5
4	Malignant neoplasms (C00-C97)	283	7.9	2.7
5	Diseases of heart (I00-I09,I11,I13,I20-I51)	102	2.9	1.0
6	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	91	2.6	0.9
7	COVID-19 (U07.1)	69	1.9	0.7
8	Diabetes mellitus (E10-E149)	40	1.1	0.4
9	Chronic lower respiratory diseases (J40-J47)	32	0.9	0.3
9	Pregnancy, childbirth and the puerperium (O00-O99)	32	0.9	0.3
...	All other causes (residual)	587	16.5	5.6
All races, all origins, female, 20-24				
...	All causes	6,030	100.0	54.3
1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	2,707	44.9	24.4
2	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	740	12.3	6.7
3	Assault (homicide) (*U01-*U02.9,X85-Y09,Y87.1)	552	9.2	5.0
4	Malignant neoplasms (C00-C97)	288	4.8	2.6
5	Diseases of heart (I00-I09,I11,I13,I20-I51)	202	3.3	1.8
6	Pregnancy, childbirth and the puerperium (O00-O99)	132	2.2	1.2
7	COVID-19 (U07.1)	110	1.8	1.0
8	Diabetes mellitus (E10-E149)	104	1.7	0.9
9	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	76	1.3	0.7
10	Chronic lower respiratory diseases (J40-J47)	54	0.9	0.5
...	All other causes (residual)	1,065	17.7	9.6
All races, all origins, female, 25-34				
...	All causes	21,858	100.0	98.0
1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	8,651	39.6	38.8
2	Malignant neoplasms (C00-C97)	1,812	8.3	8.1
3	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	1,735	7.9	7.8
4	Diseases of heart (I00-I09,I11,I13,I20-I51)	1,208	5.5	5.4
5	Assault (homicide) (*U01-*U02.9,X85-Y09,Y87.1)	1,094	5.0	4.9
6	COVID-19 (U07.1)	635	2.9	2.8
7	Chronic liver disease and cirrhosis (K70,K73-K74)	623	2.9	2.8
8	Pregnancy, childbirth and the puerperium (O00-O99)	591	2.7	2.6
9	Diabetes mellitus (E10-E149)	457	2.1	2.0
10	Cerebrovascular diseases (I60-I69)	268	1.2	1.2
...	All other causes (residual)	4,784	21.9	21.4
All races, all origins, female, 35-44				
...	All causes	38,119	100.0	176.7
1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	10,002	26.2	46.4
2	Malignant neoplasms (C00-C97)	6,340	16.6	29.4
3	Diseases of heart (I00-I09,I11,I13,I20-I51)	3,896	10.2	18.1
4	Chronic liver disease and cirrhosis (K70,K73-K74)	2,014	5.3	9.3
5	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	1,723	4.5	8.0
6	COVID-19 (U07.1)	1,601	4.2	7.4
7	Diabetes mellitus (E10-E149)	1,033	2.7	4.8
8	Cerebrovascular diseases (I60-I69)	923	2.4	4.3
9	Assault (homicide) (*U01-*U02.9,X85-Y09,Y87.1)	881	2.3	4.1
10	Pregnancy, childbirth and the puerperium (O00-O99)	489	1.3	2.3
...	All other causes (residual)	9,217	24.2	42.7

See footnotes at end of table.

Table 1. Number of deaths, percentage of total deaths, and death rate for the 10 leading causes of death in selected age groups, by race and Hispanic origin and sex: United States, 2022—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. People of Hispanic origin may be of any race. Data for Hispanic people are not tabulated by race; data for non-Hispanic people are tabulated by race. Data for racial and ethnic groups other than Black non-Hispanic and White non-Hispanic should be interpreted with caution because of misreporting of Hispanic origin and race on the death certificate. An asterisk (*) preceding a cause-of-death code indicates that the code is not included in the *International Classification of Diseases, 10th Revision (ICD-10)*]

Rank ¹	Cause of death (based on ICD-10), race and Hispanic origin, sex, and age group (years)	Number ^{2,3}	Percent of total deaths ²⁻⁴	Death rate ^{2,3}
All races, all origins, female, 45-54				
...	All causes	68,437	100.0	339.6
1	Malignant neoplasms (C00-C97)	17,343	25.3	86.1
2	Diseases of heart (I00-I09,I11,I13,I20-I51)	9,589	14.0	47.6
3	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	8,704	12.7	43.2
4	COVID-19 (U07.1)	3,946	5.8	19.6
5	Chronic liver disease and cirrhosis (K70,K73-K74)	3,357	4.9	16.7
6	Diabetes mellitus (E10-E149)	2,625	3.8	13.0
7	Cerebrovascular diseases (I60-I69)	2,375	3.5	11.8
8	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	1,804	2.6	9.0
9	Chronic lower respiratory diseases (J40-J47)	1,661	2.4	8.2
10	Septicemia (A40-A41)	1,144	1.7	5.7
...	All other causes (residual)	15,889	23.2	78.8
All races, all origins, female, 55-64				
...	All causes	163,263	100.0	762.4
1	Malignant neoplasms (C00-C97)	49,202	30.1	229.8
2	Diseases of heart (I00-I09,I11,I13,I20-I51)	26,638	16.3	124.4
3	COVID-19 (U07.1)	10,058	6.2	47.0
4	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	9,422	5.8	44.0
5	Chronic lower respiratory diseases (J40-J47)	8,716	5.3	40.7
6	Diabetes mellitus (E10-E149)	6,336	3.9	29.6
7	Cerebrovascular diseases (I60-I69)	5,834	3.6	27.2
8	Chronic liver disease and cirrhosis (K70,K73-K74)	5,766	3.5	26.9
9	Septicemia (A40-A41)	2,878	1.8	13.4
10	Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	2,786	1.7	13.0
...	All other causes (residual)	35,627	21.8	166.4
All races, all origins, female, 65 and older				
...	All causes	1,245,682	100.0	3,909.2
1	Diseases of heart (I00-I09,I11,I13,I20-I51)	274,216	22.0	860.5
2	Malignant neoplasms (C00-C97)	213,223	17.1	669.1
3	Cerebrovascular diseases (I60-I69)	84,020	6.7	263.7
4	Alzheimer disease (G30)	81,707	6.6	256.4
5	COVID-19 (U07.1)	67,310	5.4	211.2
6	Chronic lower respiratory diseases (J40-J47)	67,296	5.4	211.2
7	Diabetes mellitus (E10-E149)	33,027	2.7	103.6
8	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	32,765	2.6	102.8
9	Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	23,270	1.9	73.0
10	Essential hypertension and hypertensive renal disease (I10,I12,I15)	20,333	1.6	63.8
...	All other causes (residual)	348,515	28.0	1,093.7
All races, all origins, female, 65-74				
...	All causes	283,596	100.0	1,586.3
1	Malignant neoplasms (C00-C97)	80,446	28.4	450.0
2	Diseases of heart (I00-I09,I11,I13,I20-I51)	50,205	17.7	280.8
3	Chronic lower respiratory diseases (J40-J47)	18,832	6.6	105.3
4	COVID-19 (U07.1)	17,570	6.2	98.3
5	Cerebrovascular diseases (I60-I69)	13,100	4.6	73.3
6	Diabetes mellitus (E10-E149)	10,914	3.8	61.0
7	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	7,405	2.6	41.4
8	Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	5,771	2.0	32.3
9	Alzheimer disease (G30)	5,378	1.9	30.1
10	Septicemia (A40-A41)	5,144	1.8	28.8
...	All other causes (residual)	68,831	24.3	385.0

Table 1. Number of deaths, percentage of total deaths, and death rate for the 10 leading causes of death in selected age groups, by race and Hispanic origin and sex: United States, 2022—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. People of Hispanic origin may be of any race. Data for Hispanic people are not tabulated by race; data for non-Hispanic people are tabulated by race. Data for racial and ethnic groups other than Black non-Hispanic and White non-Hispanic should be interpreted with caution because of misreporting of Hispanic origin and race on the death certificate. An asterisk (*) preceding a cause-of-death code indicates that the code is not included in the *International Classification of Diseases, 10th Revision (ICD-10)*]

Rank ¹	Cause of death (based on ICD-10), race and Hispanic origin, sex, and age group (years)	Number ^{2,3}	Percent of total deaths ²⁻⁴	Death rate ^{2,3}
All races, all origins, female, 75-84				
...	All causes	397,396	100.0	4,061.0
1	Malignant neoplasms (C00-C97)	80,280	20.2	820.4
2	Diseases of heart (I00-I09,I11,I13,I20-I51)	78,106	19.7	798.2
3	Chronic lower respiratory diseases (J40-J47)	26,035	6.6	266.1
4	Cerebrovascular diseases (I60-I69)	25,265	6.4	258.2
5	Alzheimer disease (G30)	22,937	5.8	234.4
6	COVID-19 (U07.1)	22,155	5.6	226.4
7	Diabetes mellitus (E10-E149)	11,839	3.0	121.0
8	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	9,739	2.5	99.5
9	Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	8,206	2.1	83.9
10	Parkinson disease (G20-G21)	6,463	1.6	66.0
...	All other causes (residual)	106,371	26.8	1,087.0
All races, all origins, female, 85 and older				
...	All causes	564,690	100.0	13,438.5
1	Diseases of heart (I00-I09,I11,I13,I20-I51)	145,905	25.8	3,472.2
2	Alzheimer disease (G30)	53,392	9.5	1,270.6
3	Malignant neoplasms (C00-C97)	52,497	9.3	1,249.3
4	Cerebrovascular diseases (I60-I69)	45,655	8.1	1,086.5
5	COVID-19 (U07.1)	27,585	4.9	656.5
6	Chronic lower respiratory diseases (J40-J47)	22,429	4.0	533.8
7	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	15,621	2.8	371.7
8	Essential hypertension and hypertensive renal disease (I10,I12,I15)	11,029	2.0	262.5
9	Diabetes mellitus (E10-E149)	10,274	1.8	244.5
10	Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	9,293	1.6	221.2
...	All other causes (residual)	171,010	30.3	4,069.7
All races, Hispanic, both sexes, all ages ⁵				
...	All causes	275,684	100.0	433.0
1	Diseases of heart (I00-I09,I11,I13,I20-I51)	47,715	17.3	74.9
2	Malignant neoplasms (C00-C97)	47,021	17.1	73.9
3	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	28,699	10.4	45.1
4	COVID-19 (U07.1)	20,499	7.4	32.2
5	Cerebrovascular diseases (I60-I69)	14,224	5.2	22.3
6	Diabetes mellitus (E10-E149)	12,508	4.5	19.6
7	Alzheimer disease (G30)	9,552	3.5	15.0
8	Chronic liver disease and cirrhosis (K70,K73-K74)	8,933	3.2	14.0
9	Chronic lower respiratory diseases (J40-J47)	5,615	2.0	8.8
10	Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	5,299	1.9	8.3
...	All other causes (residual)	75,619	27.4	118.8
All races, Hispanic, both sexes, 1-4				
...	All causes	869	100.0	22.2
1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	270	31.1	6.9
2	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	116	13.3	3.0
3	Malignant neoplasms (C00-C97)	66	7.6	1.7
4	Assault (homicide) (*U01-*U02.9,X85-Y09,Y87.1)	48	5.5	1.2
5	Influenza and pneumonia (J09-J18)	31	3.6	0.8
6	Diseases of heart (I00-I09,I11,I13,I20-I51)	20	2.3	0.5
7	COVID-19 (U07.1)	19	2.2	*
8	Septicemia (A40-A41)	14	1.6	*
9	Certain conditions originating in the perinatal period (P00-P96)	9	1.0	*
10	In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior (D00-D48)	8	0.9	*
10	Chronic lower respiratory diseases (J40-J47)	8	0.9	*
10	Cerebrovascular diseases (I60-I69)	8	0.9	*
...	All other causes (residual)	252	29.0	6.4

See footnotes at end of table.

Table 1. Number of deaths, percentage of total deaths, and death rate for the 10 leading causes of death in selected age groups, by race and Hispanic origin and sex: United States, 2022—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. People of Hispanic origin may be of any race. Data for Hispanic people are not tabulated by race; data for non-Hispanic people are tabulated by race. Data for racial and ethnic groups other than Black non-Hispanic and White non-Hispanic should be interpreted with caution because of misreporting of Hispanic origin and race on the death certificate. An asterisk (*) preceding a cause-of-death code indicates that the code is not included in the *International Classification of Diseases, 10th Revision (ICD-10)*]

Rank ¹	Cause of death (based on ICD-10), race and Hispanic origin, sex, and age group (years)	Number ^{2,3}	Percent of total deaths ²⁻⁴	Death rate ^{2,3}
All races, Hispanic, both sexes, 5-9				
...	All causes	556	100.0	10.8
1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	143	25.7	2.8
2	Malignant neoplasms (C00-C97)	94	16.9	1.8
3	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	53	9.5	1.0
4	Assault (homicide) (*U01-*U02.9,X85-Y09,Y87.1)	34	6.1	0.7
5	Influenza and pneumonia (J09-J18)	19	3.4	*
6	COVID-19 (U07.1)	18	3.2	*
7	Diseases of heart (I00-I09,I11,I13,I20-I51)	16	2.9	*
8	Cerebrovascular diseases (I60-I69)	11	2.0	*
8	Chronic lower respiratory diseases (J40-J47)	11	2.0	*
10	Septicemia (A40-A41)	8	1.4	*
...	All other causes (residual)	149	26.8	2.9
All races, Hispanic, both sexes, 10-14				
...	All causes	830	100.0	15.3
1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	224	27.0	4.1
2	Malignant neoplasms (C00-C97)	117	14.1	2.2
3	Assault (homicide) (*U01-*U02.9,X85-Y09,Y87.1)	93	11.2	1.7
4	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	82	9.9	1.5
5	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	43	5.2	0.8
6	Diseases of heart (I00-I09,I11,I13,I20-I51)	28	3.4	0.5
7	COVID-19 (U07.1)	19	2.3	*
8	Cerebrovascular diseases (I60-I69)	13	1.6	*
9	Influenza and pneumonia (J09-J18)	10	1.2	*
10	Chronic lower respiratory diseases (J40-J47)	8	1.0	*
...	All other causes (residual)	193	23.3	3.6
All races, Hispanic, both sexes, 15-19				
...	All causes	2,994	100.0	55.0
1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	1,258	42.0	23.1
2	Assault (homicide) (*U01-*U02.9,X85-Y09,Y87.1)	627	20.9	11.5
3	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	400	13.4	7.3
4	Malignant neoplasms (C00-C97)	175	5.8	3.2
5	Diseases of heart (I00-I09,I11,I13,I20-I51)	50	1.7	0.9
6	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	49	1.6	0.9
7	COVID-19 (U07.1)	37	1.2	0.7
8	Cerebrovascular diseases (I60-I69)	19	0.6	*
9	Influenza and pneumonia (J09-J18)	18	0.6	*
10	Chronic lower respiratory diseases (J40-J47)	15	0.5	*
...	All other causes (residual)	346	11.6	6.4
All races, Hispanic, both sexes, 20-24				
...	All causes	5,041	100.0	94.2
1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	2,528	50.1	47.3
2	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	769	15.3	14.4
3	Assault (homicide) (*U01-*U02.9,X85-Y09,Y87.1)	648	12.9	12.1
4	Malignant neoplasms (C00-C97)	215	4.3	4.0
5	Diseases of heart (I00-I09,I11,I13,I20-I51)	86	1.7	1.6
6	COVID-19 (U07.1)	68	1.3	1.3
7	Cerebrovascular diseases (I60-I69)	33	0.7	0.6
7	Diabetes mellitus (E10-E149)	33	0.7	0.6
9	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	28	0.6	0.5
9	Legal intervention (Y35,Y89.0)	28	0.6	0.5
...	All other causes (residual)	605	12.0	11.3

Table 1. Number of deaths, percentage of total deaths, and death rate for the 10 leading causes of death in selected age groups, by race and Hispanic origin and sex: United States, 2022—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. People of Hispanic origin may be of any race. Data for Hispanic people are not tabulated by race; data for non-Hispanic people are tabulated by race. Data for racial and ethnic groups other than Black non-Hispanic and White non-Hispanic should be interpreted with caution because of misreporting of Hispanic origin and race on the death certificate. An asterisk (*) preceding a cause-of-death code indicates that the code is not included in the *International Classification of Diseases, 10th Revision (ICD-10)*]

Rank ¹	Cause of death (based on ICD-10), race and Hispanic origin, sex, and age group (years)	Number ^{2,3}	Percent of total deaths ²⁻⁴	Death rate ^{2,3}
All races, Hispanic, both sexes, 25-34				
...	All causes	13,791	100.0	142.1
1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	6,429	46.6	66.2
2	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	1,367	9.9	14.1
3	Assault (homicide) (*U01-*U02.9,X85-Y09,Y87.1)	1,256	9.1	12.9
4	Malignant neoplasms (C00-C97)	798	5.8	8.2
5	Diseases of heart (I00-I09,I11,I13,I20-I51)	528	3.8	5.4
6	Chronic liver disease and cirrhosis (K70,K73-K74)	421	3.1	4.3
7	COVID-19 (U07.1)	375	2.7	3.9
8	Diabetes mellitus (E10-E149)	160	1.2	1.6
9	Cerebrovascular diseases (I60-I69)	129	0.9	1.3
10	Pregnancy, childbirth and the puerperium (O00-O99)	109	0.8	1.1
...	All other causes (residual)	2,219	16.1	22.9
All races, Hispanic, both sexes, 35-44				
...	All causes	17,794	100.0	196.3
1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	5,869	33.0	64.7
2	Malignant neoplasms (C00-C97)	1,976	11.1	21.8
3	Diseases of heart (I00-I09,I11,I13,I20-I51)	1,494	8.4	16.5
4	Chronic liver disease and cirrhosis (K70,K73-K74)	1,189	6.7	13.1
5	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	999	5.6	11.0
6	COVID-19 (U07.1)	911	5.1	10.0
7	Assault (homicide) (*U01-*U02.9,X85-Y09,Y87.1)	902	5.1	9.9
8	Diabetes mellitus (E10-E149)	512	2.9	5.6
9	Cerebrovascular diseases (I60-I69)	437	2.5	4.8
10	Influenza and pneumonia (J09-J18)	151	0.8	1.7
...	All other causes (residual)	3,354	18.8	37.0
All races, Hispanic, both sexes, 45-54				
...	All causes	25,143	100.0	327.7
1	Malignant neoplasms (C00-C97)	4,695	18.7	61.2
2	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	4,301	17.1	56.0
3	Diseases of heart (I00-I09,I11,I13,I20-I51)	3,497	13.9	45.6
4	COVID-19 (U07.1)	1,891	7.5	24.6
5	Chronic liver disease and cirrhosis (K70,K73-K74)	1,845	7.3	24.0
6	Diabetes mellitus (E10-E149)	1,209	4.8	15.8
7	Cerebrovascular diseases (I60-I69)	946	3.8	12.3
8	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	708	2.8	9.2
9	Assault (homicide) (*U01-*U02.9,X85-Y09,Y87.1)	480	1.9	6.3
10	Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	442	1.8	5.8
...	All other causes (residual)	5,129	20.4	66.8
All races, Hispanic, both sexes, 55-64				
...	All causes	39,748	100.0	702.5
1	Malignant neoplasms (C00-C97)	9,299	23.4	164.3
2	Diseases of heart (I00-I09,I11,I13,I20-I51)	7,174	18.0	126.8
3	COVID-19 (U07.1)	3,425	8.6	60.5
4	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	3,364	8.5	59.5
5	Chronic liver disease and cirrhosis (K70,K73-K74)	2,459	6.2	43.5
6	Diabetes mellitus (E10-E149)	2,388	6.0	42.2
7	Cerebrovascular diseases (I60-I69)	1,573	4.0	27.8
8	Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	864	2.2	15.3
9	Influenza and pneumonia (J09-J18)	535	1.3	9.5
10	Septicemia (A40-A41)	534	1.3	9.4
...	All other causes (residual)	8,133	20.5	143.7

See footnotes at end of table.

Table 1. Number of deaths, percentage of total deaths, and death rate for the 10 leading causes of death in selected age groups, by race and Hispanic origin and sex: United States, 2022—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. People of Hispanic origin may be of any race. Data for Hispanic people are not tabulated by race; data for non-Hispanic people are tabulated by race. Data for racial and ethnic groups other than Black non-Hispanic and White non-Hispanic should be interpreted with caution because of misreporting of Hispanic origin and race on the death certificate. An asterisk (*) preceding a cause-of-death code indicates that the code is not included in the *International Classification of Diseases, 10th Revision (ICD-10)*]

Rank ¹	Cause of death (based on ICD-10), race and Hispanic origin, sex, and age group (years)	Number ^{2,3}	Percent of total deaths ²⁻⁴	Death rate ^{2,3}
All races, Hispanic, both sexes, 65 and older				
...	All causes	164,143	100.0	3,105.7
1	Diseases of heart (I00-I09,I11,I13,I20-I51)	34,765	21.2	657.8
2	Malignant neoplasms (C00-C97)	29,578	18.0	559.6
3	COVID-19 (U07.1)	13,701	8.3	259.2
4	Cerebrovascular diseases (I60-I69)	11,034	6.7	208.8
5	Alzheimer disease (G30)	9,354	5.7	177.0
6	Diabetes mellitus (E10-E149)	8,191	5.0	155.0
7	Chronic lower respiratory diseases (J40-J47)	4,731	2.9	89.5
8	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	4,116	2.5	77.9
9	Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	3,772	2.3	71.4
10	Chronic liver disease and cirrhosis (K70,K73-K74)	3,000	1.8	56.8
...	All other causes (residual)	41,901	25.5	792.8
All races, Hispanic, both sexes, 65-74				
...	All causes	49,780	100.0	1,522.8
1	Malignant neoplasms (C00-C97)	12,448	25.0	380.8
2	Diseases of heart (I00-I09,I11,I13,I20-I51)	9,433	18.9	288.6
3	COVID-19 (U07.1)	4,569	9.2	139.8
4	Diabetes mellitus (E10-E149)	3,213	6.5	98.3
5	Cerebrovascular diseases (I60-I69)	2,461	4.9	75.3
6	Chronic liver disease and cirrhosis (K70,K73-K74)	1,799	3.6	55.0
7	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	1,686	3.4	51.6
8	Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	1,312	2.6	40.1
9	Chronic lower respiratory diseases (J40-J47)	1,108	2.2	33.9
10	Influenza and pneumonia (J09-J18)	832	1.7	25.5
...	All other causes (residual)	10,919	21.9	334.0
All races, Hispanic, both sexes, 75-84				
...	All causes	54,345	100.0	3,682.6
1	Diseases of heart (I00-I09,I11,I13,I20-I51)	11,146	20.5	755.3
2	Malignant neoplasms (C00-C97)	10,775	19.8	730.1
3	COVID-19 (U07.1)	4,550	8.4	308.3
4	Cerebrovascular diseases (I60-I69)	3,477	6.4	235.6
5	Diabetes mellitus (E10-E149)	2,905	5.3	196.8
6	Alzheimer disease (G30)	2,645	4.9	179.2
7	Chronic lower respiratory diseases (J40-J47)	1,689	3.1	114.5
8	Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	1,331	2.4	90.2
9	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	1,216	2.2	82.4
10	Parkinson disease (G20-G21)	1,075	2.0	72.8
...	All other causes (residual)	13,536	24.9	917.2
All races, Hispanic, both sexes, 85 and older				
...	All causes	60,018	100.0	11,107.1
1	Diseases of heart (I00-I09,I11,I13,I20-I51)	14,186	23.6	2,625.3
2	Malignant neoplasms (C00-C97)	6,355	10.6	1,176.1
3	Alzheimer disease (G30)	6,012	10.0	1,112.6
4	Cerebrovascular diseases (I60-I69)	5,096	8.5	943.1
5	COVID-19 (U07.1)	4,582	7.6	848.0
6	Diabetes mellitus (E10-E149)	2,073	3.5	383.6
7	Chronic lower respiratory diseases (J40-J47)	1,934	3.2	357.9
8	Essential hypertension and hypertensive renal disease (I10,I12,I15)	1,351	2.3	250.0
9	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	1,214	2.0	224.7
10	Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	1,129	1.9	208.9
...	All other causes (residual)	16,086	26.8	2,976.9

Table 1. Number of deaths, percentage of total deaths, and death rate for the 10 leading causes of death in selected age groups, by race and Hispanic origin and sex: United States, 2022—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. People of Hispanic origin may be of any race. Data for Hispanic people are not tabulated by race; data for non-Hispanic people are tabulated by race. Data for racial and ethnic groups other than Black non-Hispanic and White non-Hispanic should be interpreted with caution because of misreporting of Hispanic origin and race on the death certificate. An asterisk (*) preceding a cause-of-death code indicates that the code is not included in the *International Classification of Diseases, 10th Revision (ICD-10)*]

Rank ¹	Cause of death (based on ICD-10), race and Hispanic origin, sex, and age group (years)	Number ^{2,3}	Percent of total deaths ²⁻⁴	Death rate ^{2,3}
All races, Hispanic, male, all ages ⁵				
...	All causes	155,240	100.0	481.0
1	Diseases of heart (I00-I09,I11,I13,I20-I51)	27,442	17.7	85.0
2	Malignant neoplasms (C00-C97)	24,146	15.6	74.8
3	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	21,954	14.1	68.0
4	COVID-19 (U07.1)	11,923	7.7	36.9
5	Diabetes mellitus (E10-E149)	7,033	4.5	21.8
6	Cerebrovascular diseases (I60-I69)	6,673	4.3	20.7
7	Chronic liver disease and cirrhosis (K70,K73-K74)	6,067	3.9	18.8
8	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	4,128	2.7	12.8
9	Assault (homicide) (*U01-*U02.9,X85-Y09,Y87.1)	3,684	2.4	11.4
10	Alzheimer disease (G30)	2,904	1.9	9.0
...	All other causes (residual)	39,286	25.3	121.7
All races, Hispanic, male, 1-4				
...	All causes	466	100.0	23.4
1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	158	33.9	7.9
2	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	54	11.6	2.7
3	Malignant neoplasms (C00-C97)	37	7.9	1.9
4	Assault (homicide) (*U01-*U02.9,X85-Y09,Y87.1)	30	6.4	1.5
5	Diseases of heart (I00-I09,I11,I13,I20-I51)	11	2.4	*
6	COVID-19 (U07.1)	10	2.1	*
7	Influenza and pneumonia (J09-J18)	8	1.7	*
8	Septicemia (A40-A41)	7	1.5	*
9	Chronic lower respiratory diseases (J40-J47)	6	1.3	*
10	Acute bronchitis and bronchiolitis (J20-J21)	4	0.9	*
...	All other causes (residual)	141	30.3	7.1
All races, Hispanic, male, 5-9				
...	All causes	314	100.0	12.0
1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	90	28.7	3.4
2	Malignant neoplasms (C00-C97)	55	17.5	2.1
3	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	29	9.2	1.1
4	Assault (homicide) (*U01-*U02.9,X85-Y09,Y87.1)	21	6.7	0.8
5	Influenza and pneumonia (J09-J18)	11	3.5	*
6	COVID-19 (U07.1)	8	2.5	*
7	Diseases of heart (I00-I09,I11,I13,I20-I51)	7	2.2	*
8	Chronic lower respiratory diseases (J40-J47)	5	1.6	*
8	Cerebrovascular diseases (I60-I69)	5	1.6	*
10	Septicemia (A40-A41)	2	0.6	*
...	All other causes (residual)	81	25.8	3.1
All races, Hispanic, male, 10-14				
...	All causes	473	100.0	17.1
1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	139	29.4	5.0
2	Malignant neoplasms (C00-C97)	61	12.9	2.2
3	Assault (homicide) (*U01-*U02.9,X85-Y09,Y87.1)	57	12.1	2.1
4	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	44	9.3	1.6
5	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	22	4.7	.8
6	Diseases of heart (I00-I09,I11,I13,I20-I51)	15	3.2	*
7	COVID-19 (U07.1)	8	1.7	*
8	Cerebrovascular diseases (I60-I69)	7	1.5	*
9	Influenza and pneumonia (J09-J18)	6	1.3	*
10	In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior (D00-D48)	4	0.8	*
10	Chronic lower respiratory diseases (J40-J47)	4	0.8	*
...	All other causes (residual)	106	22.4	3.8

See footnotes at end of table.

Table 1. Number of deaths, percentage of total deaths, and death rate for the 10 leading causes of death in selected age groups, by race and Hispanic origin and sex: United States, 2022—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. People of Hispanic origin may be of any race. Data for Hispanic people are not tabulated by race; data for non-Hispanic people are tabulated by race. Data for racial and ethnic groups other than Black non-Hispanic and White non-Hispanic should be interpreted with caution because of misreporting of Hispanic origin and race on the death certificate. An asterisk (*) preceding a cause-of-death code indicates that the code is not included in the *International Classification of Diseases, 10th Revision (ICD-10)*]

Rank ¹	Cause of death (based on ICD-10), race and Hispanic origin, sex, and age group (years)	Number ^{2,3}	Percent of total deaths ²⁻⁴	Death rate ^{2,3}
All races, Hispanic, male, 15-19				
...	All causes	2,227	100.0	79.8
1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	928	41.7	33.3
2	Assault (homicide) (*U01-*U02.9,X85-Y09,Y87.1)	546	24.5	19.6
3	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	297	13.3	10.6
4	Malignant neoplasms (C00-C97)	100	4.5	3.6
5	Diseases of heart (I00-I09,I11,I13,I20-I51)	37	1.7	1.3
6	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	32	1.4	1.1
7	COVID-19 (U07.1)	22	1.0	0.8
8	Legal intervention (Y35,Y89.0)	13	0.6	*
9	Cerebrovascular diseases (I60-I69)	12	0.5	*
9	Chronic lower respiratory diseases (J40-J47)	12	0.5	*
...	All other causes (residual)	228	10.2	8.2
All races, Hispanic, male, 20-24				
...	All causes	3,813	100.0	139.3
1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	1,971	51.7	72.0
2	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	610	16.0	22.3
3	Assault (homicide) (*U01-*U02.9,X85-Y09,Y87.1)	526	13.8	19.2
4	Malignant neoplasms (C00-C97)	142	3.7	5.2
5	Diseases of heart (I00-I09,I11,I13,I20-I51)	64	1.7	2.3
6	COVID-19 (U07.1)	39	1.0	1.4
7	Legal intervention (Y35,Y89.0)	26	0.7	1.0
8	Cerebrovascular diseases (I60-I69)	24	0.6	0.9
9	Diabetes mellitus (E10-E149)	21	0.6	0.8
9	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	21	0.6	0.8
...	All other causes (residual)	369	9.7	13.5
All races, Hispanic, male, 25-34				
...	All causes	10,542	100.0	209.7
1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	5,252	49.8	104.5
2	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	1,127	10.7	22.4
3	Assault (homicide) (*U01-*U02.9,X85-Y09,Y87.1)	1,062	10.1	21.1
4	Malignant neoplasms (C00-C97)	424	4.0	8.4
5	Diseases of heart (I00-I09,I11,I13,I20-I51)	414	3.9	8.2
6	Chronic liver disease and cirrhosis (K70,K73-K74)	314	3.0	6.2
7	COVID-19 (U07.1)	250	2.4	5.0
8	Diabetes mellitus (E10-E149)	101	1.0	2.0
9	Cerebrovascular diseases (I60-I69)	81	0.8	1.6
10	Human immunodeficiency virus (HIV) disease (B20-B24)	73	0.7	1.5
...	All other causes (residual)	1,444	13.7	28.7
All races, Hispanic, male, 35-44				
...	All causes	12,875	100.0	270.9
1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	4,796	37.3	100.9
2	Diseases of heart (I00-I09,I11,I13,I20-I51)	1,131	8.8	23.8
3	Chronic liver disease and cirrhosis (K70,K73-K74)	888	6.9	18.7
4	Malignant neoplasms (C00-C97)	860	6.7	18.1
5	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	832	6.5	17.5
6	Assault (homicide) (*U01-*U02.9,X85-Y09,Y87.1)	755	5.9	15.9
7	COVID-19 (U07.1)	622	4.8	13.1
8	Diabetes mellitus (E10-E149)	360	2.8	7.6
9	Cerebrovascular diseases (I60-I69)	302	2.3	6.4
10	Human immunodeficiency virus (HIV) disease (B20-B24)	122	0.9	2.6
...	All other causes (residual)	2,207	17.1	46.4

Table 1. Number of deaths, percentage of total deaths, and death rate for the 10 leading causes of death in selected age groups, by race and Hispanic origin and sex: United States, 2022—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. People of Hispanic origin may be of any race. Data for Hispanic people are not tabulated by race; data for non-Hispanic people are tabulated by race. Data for racial and ethnic groups other than Black non-Hispanic and White non-Hispanic should be interpreted with caution because of misreporting of Hispanic origin and race on the death certificate. An asterisk (*) preceding a cause-of-death code indicates that the code is not included in the *International Classification of Diseases, 10th Revision (ICD-10)*]

Rank ¹	Cause of death (based on ICD-10), race and Hispanic origin, sex, and age group (years)	Number ^{2,3}	Percent of total deaths ²⁻⁴	Death rate ^{2,3}
All races, Hispanic, male, 45–54				
...	All causes	16,955	100.0	432.1
1	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	3,454	20.4	88.0
2	Diseases of heart (I00–I09,I11,I13,I20–I51)	2,653	15.6	67.6
3	Malignant neoplasms (C00–C97)	2,165	12.8	55.2
4	Chronic liver disease and cirrhosis (K70,K73–K74)	1,394	8.2	35.5
5	COVID-19 (U07.1)	1,252	7.4	31.9
6	Diabetes mellitus (E10–E149)	820	4.8	20.9
7	Cerebrovascular diseases (I60–I69)	619	3.7	15.8
8	Intentional self-harm (suicide) (*U03,X60–X84,Y87.0)	564	3.3	14.4
9	Assault (homicide) (*U01–*U02.9,X85–Y09,Y87.1)	395	2.3	10.1
10	Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27)	279	1.6	7.1
...	All other causes (residual)	3,360	19.8	85.6
All races, Hispanic, male, 55–64				
...	All causes	25,576	100.0	905.9
1	Diseases of heart (I00–I09,I11,I13,I20–I51)	5,200	20.3	184.2
2	Malignant neoplasms (C00–C97)	4,961	19.4	175.7
3	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	2,640	10.3	93.5
4	COVID-19 (U07.1)	2,180	8.5	77.2
5	Chronic liver disease and cirrhosis (K70,K73–K74)	1,767	6.9	62.6
6	Diabetes mellitus (E10–E149)	1,563	6.1	55.4
7	Cerebrovascular diseases (I60–I69)	1,021	4.0	36.2
8	Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27)	523	2.0	18.5
9	Intentional self-harm (suicide) (*U03,X60–X84,Y87.0)	356	1.4	12.6
10	Influenza and pneumonia (J09–J18)	319	1.2	11.3
...	All other causes (residual)	5,046	19.7	178.7
All races, Hispanic, male, 65 and older				
...	All causes	79,378	100.0	3,403.2
1	Diseases of heart (I00–I09,I11,I13,I20–I51)	17,877	22.5	766.5
2	Malignant neoplasms (C00–C97)	15,338	19.3	657.6
3	COVID-19 (U07.1)	7,514	9.5	322.2
4	Cerebrovascular diseases (I60–I69)	4,585	5.8	196.6
5	Diabetes mellitus (E10–E149)	4,160	5.2	178.4
6	Alzheimer disease (G30)	2,829	3.6	121.3
7	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	2,409	3.0	103.3
8	Chronic lower respiratory diseases (J40–J47)	2,320	2.9	99.5
9	Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27)	1,875	2.4	80.4
10	Chronic liver disease and cirrhosis (K70,K73–K74)	1,687	2.1	72.3
...	All other causes (residual)	18,784	23.7	805.3
All races, Hispanic, male, 65–74				
...	All causes	28,932	100.0	1,900.2
1	Malignant neoplasms (C00–C97)	6,839	23.6	449.2
2	Diseases of heart (I00–I09,I11,I13,I20–I51)	6,148	21.2	403.8
3	COVID-19 (U07.1)	2,717	9.4	178.4
4	Diabetes mellitus (E10–E149)	1,868	6.5	122.7
5	Cerebrovascular diseases (I60–I69)	1,356	4.7	89.1
6	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	1,196	4.1	78.6
7	Chronic liver disease and cirrhosis (K70,K73–K74)	1,115	3.9	73.2
8	Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27)	732	2.5	48.1
9	Chronic lower respiratory diseases (J40–J47)	623	2.2	40.9
10	Influenza and pneumonia (J09–J18)	466	1.6	30.6
...	All other causes (residual)	5,872	20.3	385.7

See footnotes at end of table.

Table 1. Number of deaths, percentage of total deaths, and death rate for the 10 leading causes of death in selected age groups, by race and Hispanic origin and sex: United States, 2022—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. People of Hispanic origin may be of any race. Data for Hispanic people are not tabulated by race; data for non-Hispanic people are tabulated by race. Data for racial and ethnic groups other than Black non-Hispanic and White non-Hispanic should be interpreted with caution because of misreporting of Hispanic origin and race on the death certificate. An asterisk (*) preceding a cause-of-death code indicates that the code is not included in the *International Classification of Diseases, 10th Revision (ICD-10)*]

Rank ¹	Cause of death (based on ICD-10), race and Hispanic origin, sex, and age group (years)	Number ^{2,3}	Percent of total deaths ²⁻⁴	Death rate ^{2,3}
All races, Hispanic, male, 75–84				
...	All causes	27,163	100.0	4,368.6
1	Diseases of heart (I00–I09,I11,I13,I20–I51)	5,991	22.1	963.5
2	Malignant neoplasms (C00–C97)	5,523	20.3	888.3
3	COVID-19 (U07.1)	2,581	9.5	415.1
4	Cerebrovascular diseases (I60–I69)	1,551	5.7	249.4
5	Diabetes mellitus (E10–E149)	1,444	5.3	232.2
6	Alzheimer disease (G30)	935	3.4	150.4
7	Chronic lower respiratory diseases (J40–J47)	883	3.3	142.0
8	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	674	2.5	108.4
9	Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27)	643	2.4	103.4
10	Parkinson disease (G20–G21)	620	2.3	99.7
...	All other causes (residual)	6,318	23.3	1,016.1
All races, Hispanic, male, 85 and older				
...	All causes	23,283	100.0	12,379.5
1	Diseases of heart (I00–I09,I11,I13,I20–I51)	5,738	24.6	3,050.9
2	Malignant neoplasms (C00–C97)	2,976	12.8	1,582.3
3	COVID-19 (U07.1)	2,216	9.5	1,178.2
4	Cerebrovascular diseases (I60–I69)	1,678	7.2	892.2
5	Alzheimer disease (G30)	1,600	6.9	850.7
6	Diabetes mellitus (E10–E149)	848	3.6	450.9
7	Chronic lower respiratory diseases (J40–J47)	814	3.5	432.8
8	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	539	2.3	286.6
9	Parkinson disease (G20–G21)	502	2.2	266.9
10	Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27)	500	2.1	265.8
...	All other causes (residual)	5,872	25.2	3,122.1
All races, Hispanic, female, all ages ⁵				
...	All causes	120,444	100.0	383.7
1	Malignant neoplasms (C00–C97)	22,875	19.0	72.9
2	Diseases of heart (I00–I09,I11,I13,I20–I51)	20,273	16.8	64.6
3	COVID-19 (U07.1)	8,576	7.1	27.3
4	Cerebrovascular diseases (I60–I69)	7,551	6.3	24.1
5	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	6,745	5.6	21.5
6	Alzheimer disease (G30)	6,648	5.5	21.2
7	Diabetes mellitus (E10–E149)	5,475	4.5	17.4
8	Chronic liver disease and cirrhosis (K70,K73–K74)	2,866	2.4	9.1
9	Chronic lower respiratory diseases (J40–J47)	2,819	2.3	9.0
10	Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27)	2,491	2.1	7.9
...	All other causes (residual)	34,125	28.3	108.7
All races, Hispanic, female, 1–4				
...	All causes	403	100.0	21.0
1	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	112	27.8	5.8
2	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	62	15.4	3.2
3	Malignant neoplasms (C00–C97)	29	7.2	1.5
4	Influenza and pneumonia (J09–J18)	23	5.7	1.2
5	Assault (homicide) (*U01–*U02.9,X85–Y09,Y87.1)	18	4.5	*
6	Diseases of heart (I00–I09,I11,I13,I20–I51)	9	2.2	*
6	COVID-19 (U07.1)	9	2.2	*
8	Septicemia (A40–A41)	7	1.7	*
9	Certain conditions originating in the perinatal period (P00–P96)	6	1.5	*
10	Cerebrovascular diseases (I60–I69)	5	1.2	*
10	In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior (D00–D48)	5	1.2	*
...	All other causes (residual)	118	29.3	6.1

See footnotes at end of table.

Table 1. Number of deaths, percentage of total deaths, and death rate for the 10 leading causes of death in selected age groups, by race and Hispanic origin and sex: United States, 2022—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. People of Hispanic origin may be of any race. Data for Hispanic people are not tabulated by race; data for non-Hispanic people are tabulated by race. Data for racial and ethnic groups other than Black non-Hispanic and White non-Hispanic should be interpreted with caution because of misreporting of Hispanic origin and race on the death certificate. An asterisk (*) preceding a cause-of-death code indicates that the code is not included in the *International Classification of Diseases, 10th Revision (ICD-10)*]

Rank ¹	Cause of death (based on ICD-10), race and Hispanic origin, sex, and age group (years)	Number ^{2,3}	Percent of total deaths ²⁻⁴	Death rate ^{2,3}
All races, Hispanic, female, 5-9				
...	All causes	242	100.0	9.6
1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	53	21.9	2.1
2	Malignant neoplasms (C00-C97)	39	16.1	1.5
3	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	24	9.9	1.0
4	Assault (homicide) (*U01-U02.9,X85-Y09,Y87.1)	13	5.4	*
5	COVID-19 (U07.1)	10	4.1	*
6	Diseases of heart (I00-I09,I11,I13,I20-I51)	9	3.7	*
7	Influenza and pneumonia (J09-J18)	8	3.3	*
8	Septicemia (A40-A41)	6	2.5	*
8	Cerebrovascular diseases (I60-I69)	6	2.5	*
8	Chronic lower respiratory diseases (J40-J47)	6	2.5	*
...	All other causes (residual)	68	28.1	2.7
All races, Hispanic, female, 10-14				
...	All causes	357	100.0	13.5
1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	85	23.8	3.2
2	Malignant neoplasms (C00-C97)	56	15.7	2.1
3	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	38	10.6	1.4
4	Assault (homicide) (*U01-U02.9,X85-Y09,Y87.1)	36	10.1	1.4
5	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	21	5.9	0.8
6	Diseases of heart (I00-I09,I11,I13,I20-I51)	13	3.6	*
7	COVID-19 (U07.1)	11	3.1	*
8	Cerebrovascular diseases (I60-I69)	6	1.7	*
9	Influenza and pneumonia (J09-J18)	4	1.1	*
9	Chronic lower respiratory diseases (J40-J47)	4	1.1	*
...	All other causes (residual)	83	23.2	3.1
All races, Hispanic, female, 15-19				
...	All causes	767	100.0	28.8
1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	330	43.0	12.4
2	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	103	13.4	3.9
3	Assault (homicide) (*U01-U02.9,X85-Y09,Y87.1)	81	10.6	3.0
4	Malignant neoplasms (C00-C97)	75	9.8	2.8
5	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	17	2.2	*
6	COVID-19 (U07.1)	15	2.0	*
7	Diseases of heart (I00-I09,I11,I13,I20-I51)	13	1.7	*
8	Pregnancy, childbirth and the puerperium (O00-O99)	10	1.3	*
9	Influenza and pneumonia (J09-J18)	7	0.9	*
9	Cerebrovascular diseases (I60-I69)	7	0.9	*
...	All other causes (residual)	109	14.2	4.1
All races, Hispanic, female, 20-24				
...	All causes	1,228	100.0	47.0
1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	557	45.4	21.3
2	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	159	12.9	6.1
3	Assault (homicide) (*U01-U02.9,X85-Y09,Y87.1)	122	9.9	4.7
4	Malignant neoplasms (C00-C97)	73	5.9	2.8
5	COVID-19 (U07.1)	29	2.4	1.1
6	Pregnancy, childbirth and the puerperium (O00-O99)	24	2.0	0.9
7	Diseases of heart (I00-I09,I11,I13,I20-I51)	22	1.8	0.8
8	Diabetes mellitus (E10-E149)	12	1.0	*
9	Cerebrovascular diseases (I60-I69)	9	0.7	*
10	Chronic lower respiratory diseases (J40-J47)	8	0.7	*
...	All other causes (residual)	213	17.3	8.2

See footnotes at end of table.

Table 1. Number of deaths, percentage of total deaths, and death rate for the 10 leading causes of death in selected age groups, by race and Hispanic origin and sex: United States, 2022—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. People of Hispanic origin may be of any race. Data for Hispanic people are not tabulated by race; data for non-Hispanic people are tabulated by race. Data for racial and ethnic groups other than Black non-Hispanic and White non-Hispanic should be interpreted with caution because of misreporting of Hispanic origin and race on the death certificate. An asterisk (*) preceding a cause-of-death code indicates that the code is not included in the *International Classification of Diseases, 10th Revision (ICD-10)*]

Rank ¹	Cause of death (based on ICD-10), race and Hispanic origin, sex, and age group (years)	Number ^{2,3}	Percent of total deaths ²⁻⁴	Death rate ^{2,3}
All races, Hispanic, female, 25-34				
...	All causes	3,249	100.0	69.4
1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	1,177	36.2	25.1
2	Malignant neoplasms (C00-C97)	374	11.5	8.0
3	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	240	7.4	5.1
4	Assault (homicide) (*U01-U02.9,X85-Y09,Y87.1)	194	6.0	4.1
5	COVID-19 (U07.1)	125	3.8	2.7
6	Diseases of heart (I00-I09,I11,I13,I20-I51)	114	3.5	2.4
7	Pregnancy, childbirth and the puerperium (O00-O99)	109	3.4	2.3
8	Chronic liver disease and cirrhosis (K70,K73-K74)	107	3.3	2.3
9	Diabetes mellitus (E10-E149)	59	1.8	1.3
10	Cerebrovascular diseases (I60-I69)	48	1.5	1.0
...	All other causes (residual)	702	21.6	15.0
All races, Hispanic, female, 35-44				
...	All causes	4,919	100.0	114.0
1	Malignant neoplasms (C00-C97)	1,116	22.7	25.9
2	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	1,073	21.8	24.9
3	Diseases of heart (I00-I09,I11,I13,I20-I51)	363	7.4	8.4
4	Chronic liver disease and cirrhosis (K70,K73-K74)	301	6.1	7.0
5	COVID-19 (U07.1)	289	5.9	6.7
6	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	167	3.4	3.9
7	Diabetes mellitus (E10-E149)	152	3.1	3.5
8	Assault (homicide) (*U01-U02.9,X85-Y09,Y87.1)	147	3.0	3.4
9	Cerebrovascular diseases (I60-I69)	135	2.7	3.1
10	Pregnancy, childbirth and the puerperium (O00-O99)	82	1.7	1.9
...	All other causes (residual)	1,094	22.2	25.4
All races, Hispanic, female, 45-54				
...	All causes	8,188	100.0	218.4
1	Malignant neoplasms (C00-C97)	2,530	30.9	67.5
2	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	847	10.3	22.6
3	Diseases of heart (I00-I09,I11,I13,I20-I51)	844	10.3	22.5
4	COVID-19 (U07.1)	639	7.8	17.0
5	Chronic liver disease and cirrhosis (K70,K73-K74)	451	5.5	12.0
6	Diabetes mellitus (E10-E149)	389	4.8	10.4
7	Cerebrovascular diseases (I60-I69)	327	4.0	8.7
8	Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	163	2.0	4.3
9	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	144	1.8	3.8
10	Septicemia (A40-A41)	132	1.6	3.5
...	All other causes (residual)	1,722	21.0	45.9
All races, Hispanic, female, 55-64				
...	All causes	14,172	100.0	499.9
1	Malignant neoplasms (C00-C97)	4,338	30.6	153.0
2	Diseases of heart (I00-I09,I11,I13,I20-I51)	1,974	13.9	69.6
3	COVID-19 (U07.1)	1,245	8.8	43.9
4	Diabetes mellitus (E10-E149)	825	5.8	29.1
5	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	724	5.1	25.5
6	Chronic liver disease and cirrhosis (K70,K73-K74)	692	4.9	24.4
7	Cerebrovascular diseases (I60-I69)	552	3.9	19.5
8	Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	341	2.4	12.0
9	Chronic lower respiratory diseases (J40-J47)	241	1.7	8.5
10	Septicemia (A40-A41)	225	1.6	7.9
...	All other causes (residual)	3,015	21.3	106.4

Table 1. Number of deaths, percentage of total deaths, and death rate for the 10 leading causes of death in selected age groups, by race and Hispanic origin and sex: United States, 2022—Con.

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Rank ¹	Cause of death (based on ICD-10), race and Hispanic origin, sex, and age group (years)	Number ^{2,3}	Percent of total deaths ²⁻⁴	Death rate ^{2,3}
All races, Hispanic, female, 65 and older				
...	All causes	84,765	100.0	2,870.7
1	Diseases of heart (I00-I09,I11,I13,I20-I51)	16,888	19.9	571.9
2	Malignant neoplasms (C00-C97)	14,240	16.8	482.3
3	Alzheimer disease (G30)	6,525	7.7	221.0
4	Cerebrovascular diseases (I60-I69)	6,449	7.6	218.4
5	COVID-19 (U07.1)	6,187	7.3	209.5
6	Diabetes mellitus (E10-E149)	4,031	4.8	136.5
7	Chronic lower respiratory diseases (J40-J47)	2,411	2.8	81.7
8	Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	1,897	2.2	64.2
9	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	1,707	2.0	57.8
10	Essential hypertension and hypertensive renal disease (I10,I12,I15)	1,654	2.0	56.0
...	All other causes (residual)	22,776	26.9	771.4
All races, Hispanic, female, 65-74				
...	All causes	20,848	100.0	1,193.7
1	Malignant neoplasms (C00-C97)	5,609	26.9	321.2
2	Diseases of heart (I00-I09,I11,I13,I20-I51)	3,285	15.8	188.1
3	COVID-19 (U07.1)	1,852	8.9	106.0
4	Diabetes mellitus (E10-E149)	1,345	6.5	77.0
5	Cerebrovascular diseases (I60-I69)	1,105	5.3	63.3
6	Chronic liver disease and cirrhosis (K70,K73-K74)	684	3.3	39.2
7	Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	580	2.8	33.2
8	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	490	2.4	28.1
9	Chronic lower respiratory diseases (J40-J47)	485	2.3	27.8
10	Alzheimer disease (G30)	403	1.9	23.1
...	All other causes (residual)	5,010	24.0	286.9
All races, Hispanic, female, 75-84				
...	All causes	27,182	100.0	3,183.0
1	Malignant neoplasms (C00-C97)	5,252	19.3	615.0
2	Diseases of heart (I00-I09,I11,I13,I20-I51)	5,155	19.0	603.7
3	COVID-19 (U07.1)	1,969	7.2	230.6
4	Cerebrovascular diseases (I60-I69)	1,926	7.1	225.5
5	Alzheimer disease (G30)	1,710	6.3	200.2
6	Diabetes mellitus (E10-E149)	1,461	5.4	171.1
7	Chronic lower respiratory diseases (J40-J47)	806	3.0	94.4
8	Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	688	2.5	80.6
9	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	542	2.0	63.5
10	Influenza and pneumonia (J09-J18)	527	1.9	61.7
...	All other causes (residual)	7,146	26.3	836.8
All races, Hispanic, female, 85 and older				
...	All causes	36,735	100.0	10,427.8
1	Diseases of heart (I00-I09,I11,I13,I20-I51)	8,448	23.0	2,398.1
2	Alzheimer disease (G30)	4,412	12.0	1,252.4
3	Cerebrovascular diseases (I60-I69)	3,418	9.3	970.3
4	Malignant neoplasms (C00-C97)	3,379	9.2	959.2
5	COVID-19 (U07.1)	2,366	6.4	671.6
6	Diabetes mellitus (E10-E149)	1,225	3.3	347.7
7	Chronic lower respiratory diseases (J40-J47)	1,120	3.0	317.9
8	Essential hypertension and hypertensive renal disease (I10,I12,I15)	863	2.3	245.0
9	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	675	1.8	191.6
10	Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	629	1.7	178.6
...	All other causes (residual)	10,200	27.8	2,895.4

See footnotes at end of table.

Table 1. Number of deaths, percentage of total deaths, and death rate for the 10 leading causes of death in selected age groups, by race and Hispanic origin and sex: United States, 2022—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. People of Hispanic origin may be of any race. Data for Hispanic people are not tabulated by race; data for non-Hispanic people are tabulated by race. Data for racial and ethnic groups other than Black non-Hispanic and White non-Hispanic should be interpreted with caution because of misreporting of Hispanic origin and race on the death certificate. An asterisk (*) preceding a cause-of-death code indicates that the code is not included in the *International Classification of Diseases, 10th Revision (ICD-10)*]

Rank ¹	Cause of death (based on ICD-10), race and Hispanic origin, sex, and age group (years)	Number ^{2,3}	Percent of total deaths ²⁻⁴	Death rate ^{2,3}
American Indian and Alaska Native, non-Hispanic, both sexes, all ages ⁵				
...	All causes	23,613	100.0	975.4
1	Diseases of heart (I00-I09,I11,I13,I20-I51)	3,753	15.9	155.0
2	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	3,146	13.3	129.9
3	Malignant neoplasms (C00-C97)	3,137	13.3	129.6
4	COVID-19 (U07.1)	1,690	7.2	69.8
5	Chronic liver disease and cirrhosis (K70,K73-K74)	1,579	6.7	65.2
6	Diabetes mellitus (E10-E149)	1,219	5.2	50.4
7	Chronic lower respiratory diseases (J40-J47)	761	3.2	31.4
8	Cerebrovascular diseases (I60-I69)	747	3.2	30.9
9	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	650	2.8	26.8
10	Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	434	1.8	17.9
...	All other causes (residual)	6,497	27.5	268.4
American Indian and Alaska Native, non-Hispanic, both sexes, 1-4				
...	All causes	64	100.0	60.0
1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	18	28.1	*
2	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	6	9.4	*
3	Assault (homicide) (*U01-*U02.9,X85-Y09,Y87.1)	4	6.3	*
3	In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior (D00-D48)	4	6.3	*
5	Malignant neoplasms (C00-C97)	3	4.7	*
5	Diseases of heart (I00-I09,I11,I13,I20-I51)	3	4.7	*
7	Influenza and pneumonia (J09-J18)	2	3.1	*
7	Certain conditions originating in the perinatal period (P00-P96)	2	3.1	*
7	Septicemia (A40-A41)	2	3.1	*
10	COVID-19 (U07.1)	1	1.6	*
10	Acute bronchitis and bronchiolitis (J20-J21)	1	1.6	*
...	All other causes (residual)	18	28.1	*
American Indian and Alaska Native, non-Hispanic, both sexes, 5-9				
...	All causes	43	100.0	27.5
1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	17	39.5	*
2	Assault (homicide) (*U01-*U02.9,X85-Y09,Y87.1)	7	16.3	*
3	Septicemia (A40-A41)	2	4.7	*
3	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	2	4.7	*
5	Malignant neoplasms (C00-C97)	1	2.3	*
5	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	1	2.3	*
5	Anemias (D50-D64)	1	2.3	*
5	Diseases of heart (I00-I09,I11,I13,I20-I51)	1	2.3	*
5	Chronic lower respiratory diseases (J40-J47)	1	2.3	*
5	COVID-19 (U07.1)	1	2.3	*
5	Nutritional deficiencies (E40-E64)	1	2.3	*
...	All other causes (residual)	8	18.6	*
American Indian and Alaska Native, non-Hispanic, both sexes, 10-14				
...	All causes	67	100.0	39.4
1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	24	35.8	14.1
2	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	19	28.4	*
3	Diseases of heart (I00-I09,I11,I13,I20-I51)	7	10.4	*
4	Assault (homicide) (*U01-*U02.9,X85-Y09,Y87.1)	4	6.0	*
5	Malignant neoplasms (C00-C97)	3	4.5	*
6	Chronic lower respiratory diseases (J40-J47)	1	1.5	*
6	Influenza and pneumonia (J09-J18)	1	1.5	*
6	COVID-19 (U07.1)	1	1.5	*
...	All other causes (residual)	7	10.4	*

Table 1. Number of deaths, percentage of total deaths, and death rate for the 10 leading causes of death in selected age groups, by race and Hispanic origin and sex: United States, 2022—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. People of Hispanic origin may be of any race. Data for Hispanic people are not tabulated by race; data for non-Hispanic people are tabulated by race. Data for racial and ethnic groups other than Black non-Hispanic and White non-Hispanic should be interpreted with caution because of misreporting of Hispanic origin and race on the death certificate. An asterisk (*) preceding a cause-of-death code indicates that the code is not included in the *International Classification of Diseases, 10th Revision (ICD-10)*]

Rank ¹	Cause of death (based on ICD-10), race and Hispanic origin, sex, and age group (years)	Number ^{2,3}	Percent of total deaths ²⁻⁴	Death rate ^{2,3}
American Indian and Alaska Native, non-Hispanic, both sexes, 15-19				
...	All causes	253	100.0	143.3
1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	117	46.2	66.3
2	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	57	22.5	32.3
3	Assault (homicide) (*U01-*U02.9,X85-Y09,Y87.1)	31	12.3	17.6
4	Malignant neoplasms (C00-C97)	12	4.7	*
5	Diseases of heart (I00-I09,I11,I13,I20-I51)	7	2.8	*
6	COVID-19 (U07.1)	3	1.2	*
7	Diabetes mellitus (E10-E149)	2	0.8	*
7	Pregnancy, childbirth and the puerperium (O00-O99)	2	0.8	*
9	Influenza and pneumonia (J09-J18)	1	0.4	*
9	Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	1	0.4	*
9	In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior (D00-D48)	1	0.4	*
...	All other causes (residual)	19	7.5	*
American Indian and Alaska Native, non-Hispanic, both sexes, 20-24				
...	All causes	411	100.0	220.4
1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	194	47.2	104.0
2	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	90	21.9	48.3
3	Assault (homicide) (*U01-*U02.9,X85-Y09,Y87.1)	38	9.2	20.4
4	Diseases of heart (I00-I09,I11,I13,I20-I51)	9	2.2	*
5	Chronic liver disease and cirrhosis (K70,K73-K74)	8	1.9	*
6	COVID-19 (U07.1)	7	1.7	*
6	Diabetes mellitus (E10-E149)	7	1.7	*
8	Malignant neoplasms (C00-C97)	4	1.0	*
9	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	3	0.7	*
9	Legal intervention (Y35,Y89.0)	3	0.7	*
9	Cerebrovascular diseases (I60-I69)	3	0.7	*
...	All other causes (residual)	45	10.9	24.1
American Indian and Alaska Native, non-Hispanic, both sexes, 25-34				
...	All causes	1,729	100.0	466.8
1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	681	39.4	183.8
2	Chronic liver disease and cirrhosis (K70,K73-K74)	206	11.9	55.6
3	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	195	11.3	52.6
4	Assault (homicide) (*U01-*U02.9,X85-Y09,Y87.1)	104	6.0	28.1
5	Diseases of heart (I00-I09,I11,I13,I20-I51)	67	3.9	18.1
6	COVID-19 (U07.1)	38	2.2	10.3
7	Malignant neoplasms (C00-C97)	37	2.1	10.0
8	Diabetes mellitus (E10-E149)	19	1.1	*
9	Influenza and pneumonia (J09-J18)	16	0.9	*
10	Pregnancy, childbirth and the puerperium (O00-O99)	15	0.9	*
10	Septicemia (A40-A41)	15	0.9	*
...	All other causes (residual)	336	19.4	90.7

See footnotes at end of table.

Table 1. Number of deaths, percentage of total deaths, and death rate for the 10 leading causes of death in selected age groups, by race and Hispanic origin and sex: United States, 2022—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. People of Hispanic origin may be of any race. Data for Hispanic people are not tabulated by race; data for non-Hispanic people are tabulated by race. Data for racial and ethnic groups other than Black non-Hispanic and White non-Hispanic should be interpreted with caution because of misreporting of Hispanic origin and race on the death certificate. An asterisk (*) preceding a cause-of-death code indicates that the code is not included in the *International Classification of Diseases, 10th Revision (ICD-10)*]

Rank ¹	Cause of death (based on ICD-10), race and Hispanic origin, sex, and age group (years)	Number ^{2,3}	Percent of total deaths ²⁻⁴	Death rate ^{2,3}
American Indian and Alaska Native, non-Hispanic, both sexes, 35-44				
...	All causes	2,302	100.0	734.7
1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	701	30.5	223.7
2	Chronic liver disease and cirrhosis (K70,K73-K74)	359	15.6	114.6
3	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	148	6.4	47.2
4	Diseases of heart (I00-I09,I11,I13,I20-I51)	143	6.2	45.6
5	Assault (homicide) (*U01-*U02.9,X85-Y09,Y87.1)	108	4.7	34.5
6	Malignant neoplasms (C00-C97)	93	4.0	29.7
7	COVID-19 (U07.1)	90	3.9	28.7
8	Diabetes mellitus (E10-E149)	66	2.9	21.1
9	Cerebrovascular diseases (I60-I69)	32	1.4	10.2
10	Influenza and pneumonia (J09-J18)	29	1.3	9.3
...	All other causes (residual)	533	23.2	170.1
American Indian and Alaska Native, non-Hispanic, both sexes, 45-54				
...	All causes	2,781	100.0	1,003.1
1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	521	18.7	187.9
2	Chronic liver disease and cirrhosis (K70,K73-K74)	380	13.7	137.1
3	Diseases of heart (I00-I09,I11,I13,I20-I51)	348	12.5	125.5
4	Malignant neoplasms (C00-C97)	245	8.8	88.4
5	Diabetes mellitus (E10-E149)	188	6.8	67.8
6	COVID-19 (U07.1)	173	6.2	62.4
7	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	76	2.7	27.4
8	Cerebrovascular diseases (I60-I69)	66	2.4	23.8
9	Assault (homicide) (*U01-*U02.9,X85-Y09,Y87.1)	51	1.8	18.4
10	Septicemia (A40-A41)	49	1.8	17.7
...	All other causes (residual)	684	24.6	246.7
American Indian and Alaska Native, non-Hispanic, both sexes, 55-64				
...	All causes	4,298	100.0	1,467.7
1	Diseases of heart (I00-I09,I11,I13,I20-I51)	719	16.7	245.5
2	Malignant neoplasms (C00-C97)	712	16.6	243.1
3	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	467	10.9	159.5
4	Chronic liver disease and cirrhosis (K70,K73-K74)	382	8.9	130.4
5	COVID-19 (U07.1)	355	8.3	121.2
6	Diabetes mellitus (E10-E149)	268	6.2	91.5
7	Chronic lower respiratory diseases (J40-J47)	140	3.3	47.8
8	Cerebrovascular diseases (I60-I69)	116	2.7	39.6
9	Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	93	2.2	31.8
10	Influenza and pneumonia (J09-J18)	66	1.5	22.5
...	All other causes (residual)	980	22.8	334.6
American Indian and Alaska Native, non-Hispanic, both sexes, 65 and older				
...	All causes	11,455	100.0	3,316.1
1	Diseases of heart (I00-I09,I11,I13,I20-I51)	2,448	21.4	708.7
2	Malignant neoplasms (C00-C97)	2,027	17.7	586.8
3	COVID-19 (U07.1)	1,018	8.9	294.7
4	Diabetes mellitus (E10-E149)	669	5.8	193.7
5	Chronic lower respiratory diseases (J40-J47)	575	5.0	166.5
6	Cerebrovascular diseases (I60-I69)	517	4.5	149.7
7	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	389	3.4	112.6
8	Alzheimer disease (G30)	330	2.9	95.5
9	Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	261	2.3	75.6
10	Chronic liver disease and cirrhosis (K70,K73-K74)	244	2.1	70.6
...	All other causes (residual)	2,977	26.0	861.8

Table 1. Number of deaths, percentage of total deaths, and death rate for the 10 leading causes of death in selected age groups, by race and Hispanic origin and sex: United States, 2022—Con.

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Rank ¹	Cause of death (based on ICD-10), race and Hispanic origin, sex, and age group (years)	Number ^{2,3}	Percent of total deaths ²⁻⁴	Death rate ^{2,3}
American Indian and Alaska Native, non-Hispanic, both sexes, 65–74				
...	All causes	4,712	100.0	2,198.2
1	Malignant neoplasms (C00–C97)	1,009	21.4	470.7
2	Diseases of heart (I00–I09,I11,I13,I20–I51)	951	20.2	443.6
3	COVID-19 (U07.1)	443	9.4	206.7
4	Diabetes mellitus (E10–E149)	309	6.6	144.1
5	Chronic lower respiratory diseases (J40–J47)	244	5.2	113.8
6	Chronic liver disease and cirrhosis (K70,K73–K74)	191	4.1	89.1
7	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	184	3.9	85.8
8	Cerebrovascular diseases (I60–I69)	167	3.5	77.9
9	Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27)	102	2.2	47.6
10	Influenza and pneumonia (J09–J18)	89	1.9	41.5
...	All other causes (residual)	1,023	21.7	477.2
American Indian and Alaska Native, non-Hispanic, both sexes, 75–84				
...	All causes	4,053	100.0	4,134.7
1	Diseases of heart (I00–I09,I11,I13,I20–I51)	832	20.5	848.8
2	Malignant neoplasms (C00–C97)	734	18.1	748.8
3	COVID-19 (U07.1)	366	9.0	373.4
4	Diabetes mellitus (E10–E149)	243	6.0	247.9
5	Chronic lower respiratory diseases (J40–J47)	214	5.3	218.3
6	Cerebrovascular diseases (I60–I69)	199	4.9	203.0
7	Alzheimer disease (G30)	144	3.6	146.9
8	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	136	3.4	138.7
9	Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27)	105	2.6	107.1
10	Influenza and pneumonia (J09–J18)	80	2.0	81.6
...	All other causes (residual)	1,000	24.7	1,020.1
American Indian and Alaska Native, non-Hispanic, both sexes, 85 and older				
...	All causes	2,690	100.0	8,138.4
1	Diseases of heart (I00–I09,I11,I13,I20–I51)	665	24.7	2,011.9
2	Malignant neoplasms (C00–C97)	284	10.6	859.2
3	COVID-19 (U07.1)	209	7.8	632.3
4	Alzheimer disease (G30)	160	5.9	484.1
5	Cerebrovascular diseases (I60–I69)	151	5.6	456.8
6	Diabetes mellitus (E10–E149)	117	4.3	354.0
6	Chronic lower respiratory diseases (J40–J47)	117	4.3	354.0
8	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	69	2.6	208.8
9	Influenza and pneumonia (J09–J18)	58	2.2	175.5
10	Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27)	54	2.0	163.4
...	All other causes (residual)	806	30.0	2,438.5
American Indian and Alaska Native, non-Hispanic, male, all ages ⁵				
...	All causes	12,721	100.0	1,062.4
1	Diseases of heart (I00–I09,I11,I13,I20–I51)	2,152	16.9	179.7
2	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	2,071	16.3	173.0
3	Malignant neoplasms (C00–C97)	1,497	11.8	125.0
4	COVID-19 (U07.1)	861	6.8	71.9
5	Chronic liver disease and cirrhosis (K70,K73–K74)	851	6.7	71.1
6	Diabetes mellitus (E10–E149)	659	5.2	55.0
7	Intentional self-harm (suicide) (*U03,X60–X84,Y87.0)	475	3.7	39.7
8	Chronic lower respiratory diseases (J40–J47)	347	2.7	29.0
9	Cerebrovascular diseases (I60–I69)	308	2.4	25.7
10	Assault (homicide) (*U01–*U02.9,X85–Y09,Y87.1)	302	2.4	25.2
...	All other causes (residual)	3,198	25.1	267.1

See footnotes at end of table.

Table 1. Number of deaths, percentage of total deaths, and death rate for the 10 leading causes of death in selected age groups, by race and Hispanic origin and sex: United States, 2022—Con.

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Rank ¹	Cause of death (based on ICD-10), race and Hispanic origin, sex, and age group (years)	Number ^{2,3}	Percent of total deaths ²⁻⁴	Death rate ^{2,3}
American Indian and Alaska Native, non-Hispanic, male, 1-4				
...	All causes	32	100.0	58.9
1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	12	37.5	*
2	Diseases of heart (I00-I09,I11,I13,I20-I51)	3	9.4	*
2	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	3	9.4	*
2	Assault (homicide) (*U01-U02.9,X85-Y09,Y87.1)	3	9.4	*
5	Malignant neoplasms (C00-C97)	1	3.1	*
5	Septicemia (A40-A41)	1	3.1	*
5	Acute bronchitis and bronchiolitis (J20-J21)	1	3.1	*
5	Certain conditions originating in the perinatal period (P00-P96)	1	3.1	*
...	All other causes (residual)	7	21.9	*
American Indian and Alaska Native, non-Hispanic, male, 5-9				
...	All causes	25	100.0	31.3
1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	9	36.0	*
2	Assault (homicide) (*U01-U02.9,X85-Y09,Y87.1)	2	8.0	*
2	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	2	8.0	*
2	Septicemia (A40-A41)	2	8.0	*
5	Malignant neoplasms (C00-C97)	1	4.0	*
5	Nutritional deficiencies (E40-E64)	1	4.0	*
5	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	1	4.0	*
5	Chronic lower respiratory diseases (J40-J47)	1	4.0	*
...	All other causes (residual)	6	24.0	*
American Indian and Alaska Native, non-Hispanic, male, 10-14				
...	All causes	36	100.0	41.5
1	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	13	36.1	*
2	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	9	25.0	*
3	Diseases of heart (I00-I09,I11,I13,I20-I51)	3	8.3	*
3	Malignant neoplasms (C00-C97)	3	8.3	*
3	Assault (homicide) (*U01-U02.9,X85-Y09,Y87.1)	3	8.3	*
6	Influenza and pneumonia (J09-J18)	1	2.8	*
6	Chronic lower respiratory diseases (J40-J47)	1	2.8	*
...	All other causes (residual)	3	8.3	*
American Indian and Alaska Native, non-Hispanic, male, 15-19				
...	All causes	155	100.0	172.7
1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	71	45.8	79.1
2	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	35	22.6	39.0
3	Assault (homicide) (*U01-U02.9,X85-Y09,Y87.1)	23	14.8	25.6
4	Malignant neoplasms (C00-C97)	10	6.5	*
5	COVID-19 (U07.1)	2	1.3	*
6	Influenza and pneumonia (J09-J18)	1	0.6	*
6	Diseases of heart (I00-I09,I11,I13,I20-I51)	1	0.6	*
...	All other causes (residual)	12	7.7	*

Table 1. Number of deaths, percentage of total deaths, and death rate for the 10 leading causes of death in selected age groups, by race and Hispanic origin and sex: United States, 2022—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. People of Hispanic origin may be of any race. Data for Hispanic people are not tabulated by race; data for non-Hispanic people are tabulated by race. Data for racial and ethnic groups other than Black non-Hispanic and White non-Hispanic should be interpreted with caution because of misreporting of Hispanic origin and race on the death certificate. An asterisk (*) preceding a cause-of-death code indicates that the code is not included in the *International Classification of Diseases, 10th Revision (ICD-10)*]

Rank ¹	Cause of death (based on ICD-10), race and Hispanic origin, sex, and age group (years)	Number ^{2,3}	Percent of total deaths ²⁻⁴	Death rate ^{2,3}
American Indian and Alaska Native, non-Hispanic, male, 20-24				
...	All causes	292	100.0	308.1
1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	148	50.7	156.1
2	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	66	22.6	69.6
3	Assault (homicide) (*U01-*U02.9,X85-Y09,Y87.1)	30	10.3	31.6
4	Diseases of heart (I00-I09,I11,I13,I20-I51)	6	2.1	*
4	COVID-19 (U07.1)	6	2.1	*
6	Chronic liver disease and cirrhosis (K70,K73-K74)	5	1.7	*
7	Diabetes mellitus (E10-E149)	4	1.4	*
8	Legal intervention (Y35,Y89.0)	3	1.0	*
9	Malignant neoplasms (C00-C97)	2	0.7	*
9	Cerebrovascular diseases (I60-I69)	2	0.7	*
9	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	2	0.7	*
...	All other causes (residual)	18	6.2	*
American Indian and Alaska Native, non-Hispanic, male, 25-34				
...	All causes	1,097	100.0	581.5
1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	449	40.9	238.0
2	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	144	13.1	76.3
3	Chronic liver disease and cirrhosis (K70,K73-K74)	113	10.3	59.9
4	Assault (homicide) (*U01-*U02.9,X85-Y09,Y87.1)	86	7.8	45.6
5	Diseases of heart (I00-I09,I11,I13,I20-I51)	42	3.8	22.3
6	COVID-19 (U07.1)	23	2.1	12.2
7	Malignant neoplasms (C00-C97)	15	1.4	*
8	Legal intervention (Y35,Y89.0)	14	1.3	*
9	Diabetes mellitus (E10-E149)	13	1.2	*
10	Septicemia (A40-A41)	10	0.9	*
...	All other causes (residual)	188	17.1	99.7
American Indian and Alaska Native, non-Hispanic, male, 35-44				
...	All causes	1,461	100.0	930.0
1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	481	32.9	306.2
2	Chronic liver disease and cirrhosis (K70,K73-K74)	209	14.3	133.0
3	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	111	7.6	70.7
4	Diseases of heart (I00-I09,I11,I13,I20-I51)	98	6.7	62.4
5	Assault (homicide) (*U01-*U02.9,X85-Y09,Y87.1)	86	5.9	54.7
6	Diabetes mellitus (E10-E149)	47	3.2	29.9
6	COVID-19 (U07.1)	47	3.2	29.9
8	Malignant neoplasms (C00-C97)	37	2.5	23.6
9	Influenza and pneumonia (J09-J18)	16	1.1	*
10	Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	13	0.9	*
...	All other causes (residual)	316	21.6	201.2
American Indian and Alaska Native, non-Hispanic, male, 45-54				
...	All causes	1,663	100.0	1,209.6
1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	352	21.2	256.0
2	Diseases of heart (I00-I09,I11,I13,I20-I51)	232	14.0	168.8
3	Chronic liver disease and cirrhosis (K70,K73-K74)	200	12.0	145.5
4	Diabetes mellitus (E10-E149)	119	7.2	86.6
5	Malignant neoplasms (C00-C97)	112	6.7	81.5
6	COVID-19 (U07.1)	91	5.5	66.2
7	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	55	3.3	40.0
8	Assault (homicide) (*U01-*U02.9,X85-Y09,Y87.1)	42	2.5	30.5
9	Cerebrovascular diseases (I60-I69)	37	2.2	26.9
10	Septicemia (A40-A41)	29	1.7	21.1
...	All other causes (residual)	394	23.7	286.6

See footnotes at end of table.

Table 1. Number of deaths, percentage of total deaths, and death rate for the 10 leading causes of death in selected age groups, by race and Hispanic origin and sex: United States, 2022—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. People of Hispanic origin may be of any race. Data for Hispanic people are not tabulated by race; data for non-Hispanic people are tabulated by race. Data for racial and ethnic groups other than Black non-Hispanic and White non-Hispanic should be interpreted with caution because of misreporting of Hispanic origin and race on the death certificate. An asterisk (*) preceding a cause-of-death code indicates that the code is not included in the *International Classification of Diseases, 10th Revision (ICD-10)*]

Rank ¹	Cause of death (based on ICD-10), race and Hispanic origin, sex, and age group (years)	Number ^{2,3}	Percent of total deaths ²⁻⁴	Death rate ^{2,3}
American Indian and Alaska Native, non-Hispanic, male, 55-64				
...	All causes	2,442	100.0	1,741.4
1	Diseases of heart (I00-I09,I11,I13,I20-I51)	475	19.5	338.7
2	Malignant neoplasms (C00-C97)	352	14.4	251.0
3	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	314	12.9	223.9
4	Chronic liver disease and cirrhosis (K70,K73-K74)	199	8.1	141.9
5	COVID-19 (U07.1)	187	7.7	133.4
6	Diabetes mellitus (E10-E149)	158	6.5	112.7
7	Chronic lower respiratory diseases (J40-J47)	64	2.6	45.6
8	Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	63	2.6	44.9
9	Cerebrovascular diseases (I60-I69)	58	2.4	41.4
10	Influenza and pneumonia (J09-J18)	42	1.7	30.0
...	All other causes (residual)	530	21.7	378.0
American Indian and Alaska Native, non-Hispanic, male, 65 and older				
...	All causes	5,398	100.0	3,470.0
1	Diseases of heart (I00-I09,I11,I13,I20-I51)	1,292	23.9	830.5
2	Malignant neoplasms (C00-C97)	964	17.9	619.7
3	COVID-19 (U07.1)	503	9.3	323.3
4	Diabetes mellitus (E10-E149)	318	5.9	204.4
5	Chronic lower respiratory diseases (J40-J47)	264	4.9	169.7
6	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	216	4.0	138.9
7	Cerebrovascular diseases (I60-I69)	197	3.6	126.6
8	Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	126	2.3	81.0
9	Chronic liver disease and cirrhosis (K70,K73-K74)	125	2.3	80.4
10	Alzheimer disease (G30)	106	2.0	68.1
...	All other causes (residual)	1,287	23.8	827.3
American Indian and Alaska Native, non-Hispanic, male, 65-74				
...	All causes	2,491	100.0	2,515.4
1	Diseases of heart (I00-I09,I11,I13,I20-I51)	574	23.0	579.6
2	Malignant neoplasms (C00-C97)	490	19.7	494.8
3	COVID-19 (U07.1)	231	9.3	233.3
4	Diabetes mellitus (E10-E149)	169	6.8	170.7
5	Chronic lower respiratory diseases (J40-J47)	122	4.9	123.2
6	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	121	4.9	122.2
7	Chronic liver disease and cirrhosis (K70,K73-K74)	103	4.1	104.0
8	Cerebrovascular diseases (I60-I69)	79	3.2	79.8
9	Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	46	1.8	46.5
10	Influenza and pneumonia (J09-J18)	44	1.8	44.4
...	All other causes (residual)	512	20.6	517.0
American Indian and Alaska Native, non-Hispanic, male, 75-84				
...	All causes	1,923	100.0	4,365.5
1	Diseases of heart (I00-I09,I11,I13,I20-I51)	453	23.6	1,028.4
2	Malignant neoplasms (C00-C97)	356	18.5	808.2
3	COVID-19 (U07.1)	177	9.2	401.8
4	Diabetes mellitus (E10-E149)	102	5.3	231.6
5	Chronic lower respiratory diseases (J40-J47)	101	5.3	229.3
6	Cerebrovascular diseases (I60-I69)	85	4.4	193.0
7	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	69	3.6	156.6
8	Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	57	3.0	129.4
9	Alzheimer disease (G30)	46	2.4	104.4
10	Influenza and pneumonia (J09-J18)	35	1.8	79.5
...	All other causes (residual)	442	23.0	1,003.4

Table 1. Number of deaths, percentage of total deaths, and death rate for the 10 leading causes of death in selected age groups, by race and Hispanic origin and sex: United States, 2022—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. People of Hispanic origin may be of any race. Data for Hispanic people are not tabulated by race; data for non-Hispanic people are tabulated by race. Data for racial and ethnic groups other than Black non-Hispanic and White non-Hispanic should be interpreted with caution because of misreporting of Hispanic origin and race on the death certificate. An asterisk (*) preceding a cause-of-death code indicates that the code is not included in the *International Classification of Diseases, 10th Revision (ICD-10)*]

Rank ¹	Cause of death (based on ICD-10), race and Hispanic origin, sex, and age group (years)	Number ^{2,3}	Percent of total deaths ²⁻⁴	Death rate ^{2,3}
American Indian and Alaska Native, non-Hispanic, male, 85 and older				
...	All causes	984	100.0	7,885.2
1	Diseases of heart (I00-I09,I11,I13,I20-I51)	265	26.9	2,123.6
2	Malignant neoplasms (C00-C97)	118	12.0	945.6
3	COVID-19 (U07.1)	95	9.7	761.3
4	Alzheimer disease (G30)	47	4.8	376.6
4	Diabetes mellitus (E10-E149)	47	4.8	376.6
6	Chronic lower respiratory diseases (J40-J47)	41	4.2	328.6
7	Cerebrovascular diseases (I60-I69)	33	3.4	264.4
8	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	26	2.6	208.4
9	Influenza and pneumonia (J09-J18)	23	2.3	184.3
9	Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	23	2.3	184.3
...	All other causes (residual)	266	27.0	2,131.6
American Indian and Alaska Native, non-Hispanic, female, all ages ⁵				
...	All causes	10,892	100.0	890.2
1	Malignant neoplasms (C00-C97)	1,640	15.1	134.0
2	Diseases of heart (I00-I09,I11,I13,I20-I51)	1,601	14.7	130.8
3	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	1,075	9.9	87.9
4	COVID-19 (U07.1)	829	7.6	67.8
5	Chronic liver disease and cirrhosis (K70,K73-K74)	728	6.7	59.5
6	Diabetes mellitus (E10-E149)	560	5.1	45.8
7	Cerebrovascular diseases (I60-I69)	439	4.0	35.9
8	Chronic lower respiratory diseases (J40-J47)	414	3.8	33.8
9	Alzheimer disease (G30)	227	2.1	18.6
10	Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	207	1.9	16.9
...	All other causes (residual)	3,172	29.1	259.2
American Indian and Alaska Native, non-Hispanic, female, 1-4				
...	All causes	32	100.0	61.1
1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	6	18.8	*
2	In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior (D00-D48)	4	12.5	*
3	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	3	9.4	*
4	Malignant neoplasms (C00-C97)	2	6.3	*
4	Influenza and pneumonia (J09-J18)	2	6.3	*
6	COVID-19 (U07.1)	1	3.1	*
6	Septicemia (A40-A41)	1	3.1	*
6	Certain conditions originating in the perinatal period (P00-P96)	1	3.1	*
6	Assault (homicide) (*U01-*U02.9,X85-Y09,Y87.1)	1	3.1	*
...	All other causes (residual)	11	34.4	*
American Indian and Alaska Native, non-Hispanic, female, 5-9				
...	All causes	18	100.0	*
1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	8	44.4	*
2	Assault (homicide) (*U01-*U02.9,X85-Y09,Y87.1)	5	27.8	*
3	Diseases of heart (I00-I09,I11,I13,I20-I51)	1	5.6	*
3	COVID-19 (U07.1)	1	5.6	*
3	Anemias (D50-D64)	1	5.6	*
...	All other causes (residual)	2	11.1	*

See footnotes at end of table.

Table 1. Number of deaths, percentage of total deaths, and death rate for the 10 leading causes of death in selected age groups, by race and Hispanic origin and sex: United States, 2022—Con.

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Rank ¹	Cause of death (based on ICD-10), race and Hispanic origin, sex, and age group (years)	Number ^{2,3}	Percent of total deaths ²⁻⁴	Death rate ^{2,3}
American Indian and Alaska Native, non-Hispanic, female, 10-14				
...	All causes	31	100.0	37.1
1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	15	48.4	*
2	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	6	19.4	*
3	Diseases of heart (I00-I09,I11,I13,I20-I51)	4	12.9	*
4	Assault (homicide) (*U01-*U02.9,X85-Y09,Y87.1)	1	3.2	*
4	COVID-19 (U07.1)	1	3.2	*
...	All other causes (residual)	4	12.9	*
American Indian and Alaska Native, non-Hispanic, female, 15-19				
...	All causes	98	100.0	112.9
1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	46	46.9	53.0
2	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	22	22.4	25.3
3	Assault (homicide) (*U01-*U02.9,X85-Y09,Y87.1)	8	8.2	*
4	Diseases of heart (I00-I09,I11,I13,I20-I51)	6	6.1	*
5	Diabetes mellitus (E10-E149)	2	2.0	*
5	Malignant neoplasms (C00-C97)	2	2.0	*
5	Pregnancy, childbirth and the puerperium (O00-O99)	2	2.0	*
8	In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior (D00-D48)	1	1.0	*
8	Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	1	1.0	*
8	COVID-19 (U07.1)	1	1.0	*
...	All other causes (residual)	7	7.1	*
American Indian and Alaska Native, non-Hispanic, female, 20-24				
...	All causes	119	100.0	129.8
1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	46	38.7	50.2
2	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	24	20.2	26.2
3	Assault (homicide) (*U01-*U02.9,X85-Y09,Y87.1)	8	6.7	*
4	Diseases of heart (I00-I09,I11,I13,I20-I51)	3	2.5	*
4	Diabetes mellitus (E10-E149)	3	2.5	*
4	Chronic liver disease and cirrhosis (K70,K73-K74)	3	2.5	*
7	Septicemia (A40-A41)	2	1.7	*
7	Malignant neoplasms (C00-C97)	2	1.7	*
7	Pregnancy, childbirth and the puerperium (O00-O99)	2	1.7	*
10	Cerebrovascular diseases (I60-I69)	1	0.8	*
10	Influenza and pneumonia (J09-J18)	1	0.8	*
10	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	1	0.8	*
10	COVID-19 (U07.1)	1	0.8	*
...	All other causes (residual)	22	18.5	24.0
American Indian and Alaska Native, non-Hispanic, female, 25-34				
...	All causes	632	100.0	347.7
1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	232	36.7	127.6
2	Chronic liver disease and cirrhosis (K70,K73-K74)	93	14.7	51.2
3	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	51	8.1	28.1
4	Diseases of heart (I00-I09,I11,I13,I20-I51)	25	4.0	13.8
5	Malignant neoplasms (C00-C97)	22	3.5	12.1
6	Assault (homicide) (*U01-*U02.9,X85-Y09,Y87.1)	18	2.8	*
7	Pregnancy, childbirth and the puerperium (O00-O99)	15	2.4	*
7	COVID-19 (U07.1)	15	2.4	*
9	Influenza and pneumonia (J09-J18)	9	1.4	*
10	Cerebrovascular diseases (I60-I69)	8	1.3	*
...	All other causes (residual)	144	22.8	79.2

Table 1. Number of deaths, percentage of total deaths, and death rate for the 10 leading causes of death in selected age groups, by race and Hispanic origin and sex: United States, 2022—Con.

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Rank ¹	Cause of death (based on ICD-10), race and Hispanic origin, sex, and age group (years)	Number ^{2,3}	Percent of total deaths ²⁻⁴	Death rate ^{2,3}
American Indian and Alaska Native, non-Hispanic, female, 35-44				
...	All causes	841	100.0	538.3
1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	220	26.2	140.8
2	Chronic liver disease and cirrhosis (K70,K73-K74)	150	17.8	96.0
3	Malignant neoplasms (C00-C97)	56	6.7	35.8
4	Diseases of heart (I00-I09,I11,I13,I20-I51)	45	5.4	28.8
5	COVID-19 (U07.1)	43	5.1	27.5
6	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	37	4.4	23.7
7	Cerebrovascular diseases (I60-I69)	22	2.6	14.1
7	Assault (homicide) (*U01-*U02.9,X85-Y09,Y87.1)	22	2.6	14.1
9	Diabetes mellitus (E10-E149)	19	2.3	*
10	Influenza and pneumonia (J09-J18)	13	1.5	*
...	All other causes (residual)	214	25.4	137.0
American Indian and Alaska Native, non-Hispanic, female, 45-54				
...	All causes	1,118	100.0	800.0
1	Chronic liver disease and cirrhosis (K70,K73-K74)	180	16.1	128.8
2	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	169	15.1	120.9
3	Malignant neoplasms (C00-C97)	133	11.9	95.2
4	Diseases of heart (I00-I09,I11,I13,I20-I51)	116	10.4	83.0
5	COVID-19 (U07.1)	82	7.3	58.7
6	Diabetes mellitus (E10-E149)	69	6.2	49.4
7	Cerebrovascular diseases (I60-I69)	29	2.6	20.8
8	Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	25	2.2	17.9
9	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	21	1.9	15.0
10	Influenza and pneumonia (J09-J18)	20	1.8	14.3
10	Chronic lower respiratory diseases (J40-J47)	20	1.8	14.3
10	Septicemia (A40-A41)	20	1.8	14.3
...	All other causes (residual)	234	20.9	167.4
American Indian and Alaska Native, non-Hispanic, female, 55-64				
...	All causes	1,856	100.0	1,216.1
1	Malignant neoplasms (C00-C97)	360	19.4	235.9
2	Diseases of heart (I00-I09,I11,I13,I20-I51)	244	13.1	159.9
3	Chronic liver disease and cirrhosis (K70,K73-K74)	183	9.9	119.9
4	COVID-19 (U07.1)	168	9.1	110.1
5	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	153	8.2	100.3
6	Diabetes mellitus (E10-E149)	110	5.9	72.1
7	Chronic lower respiratory diseases (J40-J47)	76	4.1	49.8
8	Cerebrovascular diseases (I60-I69)	58	3.1	38.0
9	Septicemia (A40-A41)	37	2.0	24.2
10	Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	30	1.6	19.7
...	All other causes (residual)	437	23.5	286.3
American Indian and Alaska Native, non-Hispanic, female, 65 and older				
...	All causes	6,057	100.0	3,189.9
1	Diseases of heart (I00-I09,I11,I13,I20-I51)	1,156	19.1	608.8
2	Malignant neoplasms (C00-C97)	1,063	17.5	559.8
3	COVID-19 (U07.1)	515	8.5	271.2
4	Diabetes mellitus (E10-E149)	351	5.8	184.9
5	Cerebrovascular diseases (I60-I69)	320	5.3	168.5
6	Chronic lower respiratory diseases (J40-J47)	311	5.1	163.8
7	Alzheimer disease (G30)	224	3.7	118.0
8	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	173	2.9	91.1
9	Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	135	2.2	71.1
10	Influenza and pneumonia (J09-J18)	125	2.1	65.8
...	All other causes (residual)	1,684	27.8	886.9

See footnotes at end of table.

Table 1. Number of deaths, percentage of total deaths, and death rate for the 10 leading causes of death in selected age groups, by race and Hispanic origin and sex: United States, 2022—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. People of Hispanic origin may be of any race. Data for Hispanic people are not tabulated by race; data for non-Hispanic people are tabulated by race. Data for racial and ethnic groups other than Black non-Hispanic and White non-Hispanic should be interpreted with caution because of misreporting of Hispanic origin and race on the death certificate. An asterisk (*) preceding a cause-of-death code indicates that the code is not included in the *International Classification of Diseases, 10th Revision (ICD-10)*]

Rank ¹	Cause of death (based on ICD-10), race and Hispanic origin, sex, and age group (years)	Number ^{2,3}	Percent of total deaths ²⁻⁴	Death rate ^{2,3}
American Indian and Alaska Native, non-Hispanic, female, 65-74				
...	All causes	2,221	100.0	1,925.8
1	Malignant neoplasms (C00-C97)	519	23.4	450.0
2	Diseases of heart (I00-I09,I11,I13,I20-I51)	377	17.0	326.9
3	COVID-19 (U07.1)	212	9.5	183.8
4	Diabetes mellitus (E10-E149)	140	6.3	121.4
5	Chronic lower respiratory diseases (J40-J47)	122	5.5	105.8
6	Cerebrovascular diseases (I60-I69)	88	4.0	76.3
6	Chronic liver disease and cirrhosis (K70,K73-K74)	88	4.0	76.3
8	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	63	2.8	54.6
9	Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	56	2.5	48.6
10	Septicemia (A40-A41)	49	2.2	42.5
...	All other causes (residual)	507	22.8	439.6
American Indian and Alaska Native, non-Hispanic, female, 75-84				
...	All causes	2,130	100.0	3,946.3
1	Diseases of heart (I00-I09,I11,I13,I20-I51)	379	17.8	702.2
2	Malignant neoplasms (C00-C97)	378	17.7	700.3
3	COVID-19 (U07.1)	189	8.9	350.2
4	Diabetes mellitus (E10-E149)	141	6.6	261.2
5	Cerebrovascular diseases (I60-I69)	114	5.4	211.2
6	Chronic lower respiratory diseases (J40-J47)	113	5.3	209.4
7	Alzheimer disease (G30)	98	4.6	181.6
8	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	67	3.1	124.1
9	Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	48	2.3	88.9
10	Influenza and pneumonia (J09-J18)	45	2.1	83.4
...	All other causes (residual)	558	26.2	1,033.8
American Indian and Alaska Native, non-Hispanic, female, 85 and older				
...	All causes	1,706	100.0	8,292.0
1	Diseases of heart (I00-I09,I11,I13,I20-I51)	400	23.4	1,944.2
2	Malignant neoplasms (C00-C97)	166	9.7	806.8
3	Cerebrovascular diseases (I60-I69)	118	6.9	573.5
4	COVID-19 (U07.1)	114	6.7	554.1
5	Alzheimer disease (G30)	113	6.6	549.2
6	Chronic lower respiratory diseases (J40-J47)	76	4.5	369.4
7	Diabetes mellitus (E10-E149)	70	4.1	340.2
8	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	43	2.5	209.0
9	Influenza and pneumonia (J09-J18)	35	2.1	170.1
10	Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	31	1.8	150.7
...	All other causes (residual)	540	31.7	2,624.7
Asian, non-Hispanic, both sexes, all ages ⁵				
...	All causes	89,591	100.0	441.9
1	Malignant neoplasms (C00-C97)	19,864	22.2	98.0
2	Diseases of heart (I00-I09,I11,I13,I20-I51)	18,091	20.2	89.2
3	Cerebrovascular diseases (I60-I69)	6,482	7.2	32.0
4	COVID-19 (U07.1)	5,450	6.1	26.9
5	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	4,046	4.5	20.0
6	Diabetes mellitus (E10-E149)	3,709	4.1	18.3
7	Alzheimer disease (G30)	3,448	3.8	17.0
8	Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	1,985	2.2	9.8
9	Essential hypertension and hypertensive renal disease (I10,I12,I15)	1,903	2.1	9.4
10	Chronic lower respiratory diseases (J40-J47)	1,785	2.0	8.8
...	All other causes (residual)	22,828	25.5	112.6

Table 1. Number of deaths, percentage of total deaths, and death rate for the 10 leading causes of death in selected age groups, by race and Hispanic origin and sex: United States, 2022—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. People of Hispanic origin may be of any race. Data for Hispanic people are not tabulated by race; data for non-Hispanic people are tabulated by race. Data for racial and ethnic groups other than Black non-Hispanic and White non-Hispanic should be interpreted with caution because of misreporting of Hispanic origin and race on the death certificate. An asterisk (*) preceding a cause-of-death code indicates that the code is not included in the *International Classification of Diseases, 10th Revision (ICD-10)*]

Rank ¹	Cause of death (based on ICD-10), race and Hispanic origin, sex, and age group (years)	Number ^{2,3}	Percent of total deaths ²⁻⁴	Death rate ^{2,3}
Asian, non-Hispanic, both sexes, 1-4				
...	All causes	120	100.0	14.1
1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	27	22.5	3.2
2	Diseases of heart (I00-I09,I11,I13,I20-I51)	10	8.3	*
3	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	9	7.5	*
4	Malignant neoplasms (C00-C97)	8	6.7	*
5	Assault (homicide) (*U01-*U02.9,X85-Y09,Y87.1)	6	5.0	*
5	COVID-19 (U07.1)	6	5.0	*
7	Septicemia (A40-A41)	3	2.5	*
7	Influenza and pneumonia (J09-J18)	3	2.5	*
9	Viral hepatitis (B15-B19)	2	1.7	*
9	Meningitis (G00,G03)	2	1.7	*
...	All other causes (residual)	44	36.7	5.2
Asian, non-Hispanic, both sexes, 5-9				
...	All causes	86	100.0	7.3
1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	16	18.6	*
2	Malignant neoplasms (C00-C97)	14	16.3	*
3	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	13	15.1	*
4	Diseases of heart (I00-I09,I11,I13,I20-I51)	7	8.1	*
5	COVID-19 (U07.1)	4	4.7	*
6	Assault (homicide) (*U01-*U02.9,X85-Y09,Y87.1)	3	3.5	*
6	Influenza and pneumonia (J09-J18)	3	3.5	*
8	Cerebrovascular diseases (I60-I69)	2	2.3	*
9	Anemias (D50-D64)	1	1.2	*
9	Acute bronchitis and bronchiolitis (J20-J21)	1	1.2	*
9	Hernia (K40-K46)	1	1.2	*
...	All other causes (residual)	21	24.4	1.8
Asian, non-Hispanic, both sexes, 10-14				
...	All causes	107	100.0	9.6
1	Malignant neoplasms (C00-C97)	21	19.6	1.9
2	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	17	15.9	*
3	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	13	12.1	*
4	Diseases of heart (I00-I09,I11,I13,I20-I51)	9	8.4	*
5	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	7	6.5	*
6	Assault (homicide) (*U01-*U02.9,X85-Y09,Y87.1)	6	5.6	*
7	Septicemia (A40-A41)	3	2.8	*
7	COVID-19 (U07.1)	3	2.8	*
7	Cerebrovascular diseases (I60-I69)	3	2.8	*
10	In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior (D00-D48)	2	1.9	*
10	Influenza and pneumonia (J09-J18)	2	1.9	*
...	All other causes (residual)	21	19.6	1.9

Table 1. Number of deaths, percentage of total deaths, and death rate for the 10 leading causes of death in selected age groups, by race and Hispanic origin and sex: United States, 2022—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. People of Hispanic origin may be of any race. Data for Hispanic people are not tabulated by race; data for non-Hispanic people are tabulated by race. Data for racial and ethnic groups other than Black non-Hispanic and White non-Hispanic should be interpreted with caution because of misreporting of Hispanic origin and race on the death certificate. An asterisk (*) preceding a cause-of-death code indicates that the code is not included in the *International Classification of Diseases, 10th Revision (ICD-10)*]

Rank ¹	Cause of death (based on ICD-10), race and Hispanic origin, sex, and age group (years)	Number ^{2,3}	Percent of total deaths ²⁻⁴	Death rate ^{2,3}
Asian, non-Hispanic, both sexes, 15-19				
...	All causes	300	100.0	25.9
1	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	94	31.3	8.1
2	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	89	29.7	7.7
3	Malignant neoplasms (C00-C97)	20	6.7	1.7
4	Assault (homicide) (*U01-*U02.9,X85-Y09,Y87.1)	17	5.7	*
5	Diseases of heart (I00-I09,I11,I13,I20-I51)	6	2.0	*
5	COVID-19 (U07.1)	6	2.0	*
7	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	5	1.7	*
8	Influenza and pneumonia (J09-J18)	4	1.3	*
9	Cerebrovascular diseases (I60-I69)	3	1.0	*
10	Chronic lower respiratory diseases (J40-J47)	2	0.7	*
10	Pregnancy, childbirth and the puerperium (O00-O99)	2	0.7	*
...	All other causes (residual)	52	17.3	4.5
Asian, non-Hispanic, both sexes, 20-24				
...	All causes	523	100.0	40.0
1	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	179	34.2	13.7
2	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	169	32.3	12.9
3	Malignant neoplasms (C00-C97)	42	8.0	3.2
4	Assault (homicide) (*U01-*U02.9,X85-Y09,Y87.1)	22	4.2	1.7
5	Diseases of heart (I00-I09,I11,I13,I20-I51)	12	2.3	*
6	COVID-19 (U07.1)	7	1.3	*
7	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	6	1.1	*
8	Influenza and pneumonia (J09-J18)	5	1.0	*
9	Diabetes mellitus (E10-E149)	3	0.6	*
9	Cerebrovascular diseases (I60-I69)	3	0.6	*
...	All other causes (residual)	75	14.3	5.7
Asian, non-Hispanic, both sexes, 25-34				
...	All causes	1,580	100.0	49.2
1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	491	31.1	15.3
2	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	317	20.1	9.9
3	Malignant neoplasms (C00-C97)	170	10.8	5.3
4	Diseases of heart (I00-I09,I11,I13,I20-I51)	100	6.3	3.1
5	Assault (homicide) (*U01-*U02.9,X85-Y09,Y87.1)	58	3.7	1.8
5	COVID-19 (U07.1)	58	3.7	1.8
7	Chronic liver disease and cirrhosis (K70,K73-K74)	33	2.1	1.0
8	Pregnancy, childbirth and the puerperium (O00-O99)	25	1.6	0.8
9	Diabetes mellitus (E10-E149)	20	1.3	0.6
9	Cerebrovascular diseases (I60-I69)	20	1.3	0.6
...	All other causes (residual)	288	18.2	9.0
Asian, non-Hispanic, both sexes, 35-44				
...	All causes	2,595	100.0	78.6
1	Malignant neoplasms (C00-C97)	584	22.5	17.7
2	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	502	19.3	15.2
3	Diseases of heart (I00-I09,I11,I13,I20-I51)	323	12.4	9.8
4	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	226	8.7	6.8
5	Chronic liver disease and cirrhosis (K70,K73-K74)	128	4.9	3.9
6	Cerebrovascular diseases (I60-I69)	107	4.1	3.2
7	COVID-19 (U07.1)	102	3.9	3.1
8	Diabetes mellitus (E10-E149)	63	2.4	1.9
8	Assault (homicide) (*U01-*U02.9,X85-Y09,Y87.1)	63	2.4	1.9
10	Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	24	0.9	0.7
...	All other causes (residual)	473	18.2	14.3

Table 1. Number of deaths, percentage of total deaths, and death rate for the 10 leading causes of death in selected age groups, by race and Hispanic origin and sex: United States, 2022—Con.

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Rank ¹	Cause of death (based on ICD-10), race and Hispanic origin, sex, and age group (years)	Number ^{2,3}	Percent of total deaths ²⁻⁴	Death rate ^{2,3}
Asian, non-Hispanic, both sexes, 45-54				
...	All causes	4,942	100.0	173.7
1	Malignant neoplasms (C00-C97)	1,636	33.1	57.5
2	Diseases of heart (I00-I09,I11,I13,I20-I51)	819	16.6	28.8
3	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	400	8.1	14.1
4	Cerebrovascular diseases (I60-I69)	298	6.0	10.5
5	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	232	4.7	8.2
6	COVID-19 (U07.1)	226	4.6	7.9
7	Diabetes mellitus (E10-E149)	193	3.9	6.8
8	Chronic liver disease and cirrhosis (K70,K73-K74)	149	3.0	5.2
9	Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	62	1.3	2.2
10	Essential hypertension and hypertensive renal disease (I10,I12,I15)	55	1.1	1.9
...	All other causes (residual)	872	17.6	30.6
Asian, non-Hispanic, both sexes, 55-64				
...	All causes	8,971	100.0	398.9
1	Malignant neoplasms (C00-C97)	3,274	36.5	145.6
2	Diseases of heart (I00-I09,I11,I13,I20-I51)	1,661	18.5	73.9
3	Cerebrovascular diseases (I60-I69)	522	5.8	23.2
4	COVID-19 (U07.1)	512	5.7	22.8
5	Diabetes mellitus (E10-E149)	417	4.6	18.5
6	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	393	4.4	17.5
7	Chronic liver disease and cirrhosis (K70,K73-K74)	173	1.9	7.7
8	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	168	1.9	7.5
9	Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	163	1.8	7.2
10	Essential hypertension and hypertensive renal disease (I10,I12,I15)	147	1.6	6.5
...	All other causes (residual)	1,541	17.2	68.5
Asian, non-Hispanic, both sexes, 65 and older				
...	All causes	69,743	100.0	2,443.0
1	Diseases of heart (I00-I09,I11,I13,I20-I51)	15,134	21.7	530.1
2	Malignant neoplasms (C00-C97)	14,092	20.2	493.6
3	Cerebrovascular diseases (I60-I69)	5,524	7.9	193.5
4	COVID-19 (U07.1)	4,523	6.5	158.4
5	Alzheimer disease (G30)	3,432	4.9	120.2
6	Diabetes mellitus (E10-E149)	3,013	4.3	105.5
7	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	1,918	2.8	67.2
8	Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	1,715	2.5	60.1
9	Essential hypertension and hypertensive renal disease (I10,I12,I15)	1,675	2.4	58.7
10	Chronic lower respiratory diseases (J40-J47)	1,651	2.4	57.8
...	All other causes (residual)	17,066	24.5	597.8
Asian, non-Hispanic, both sexes, 65-74				
...	All causes	16,293	100.0	962.5
1	Malignant neoplasms (C00-C97)	5,382	33.0	317.9
2	Diseases of heart (I00-I09,I11,I13,I20-I51)	3,103	19.0	183.3
3	Cerebrovascular diseases (I60-I69)	1,050	6.4	62.0
4	COVID-19 (U07.1)	1,038	6.4	61.3
5	Diabetes mellitus (E10-E149)	782	4.8	46.2
6	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	489	3.0	28.9
7	Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	397	2.4	23.5
8	Influenza and pneumonia (J09-J18)	274	1.7	16.2
9	Essential hypertension and hypertensive renal disease (I10,I12,I15)	272	1.7	16.1
10	Chronic lower respiratory diseases (J40-J47)	265	1.6	15.7
...	All other causes (residual)	3,241	19.9	191.5

Table 1. Number of deaths, percentage of total deaths, and death rate for the 10 leading causes of death in selected age groups, by race and Hispanic origin and sex: United States, 2022—Con.

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Rank ¹	Cause of death (based on ICD-10), race and Hispanic origin, sex, and age group (years)	Number ^{2,3}	Percent of total deaths ²⁻⁴	Death rate ^{2,3}
Asian, non-Hispanic, both sexes, 75–84				
...	All causes	22,628	100.0	2,735.3
1	Malignant neoplasms (C00–C97)	5,197	23.0	628.2
2	Diseases of heart (I00–I09,I11,I13,I20–I51)	4,708	20.8	569.1
3	Cerebrovascular diseases (I60–I69)	1,755	7.8	212.2
4	COVID-19 (U07.1)	1,445	6.4	174.7
5	Diabetes mellitus (E10–E149)	1,107	4.9	133.8
6	Alzheimer disease (G30)	698	3.1	84.4
7	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	659	2.9	79.7
8	Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27)	623	2.8	75.3
9	Chronic lower respiratory diseases (J40–J47)	569	2.5	68.8
10	Parkinson disease (G20–G21)	550	2.4	66.5
...	All other causes (residual)	5,317	23.5	642.7
Asian, non-Hispanic, both sexes, 85 and older				
...	All causes	30,822	100.0	9,206.1
1	Diseases of heart (I00–I09,I11,I13,I20–I51)	7,323	23.8	2,187.3
2	Malignant neoplasms (C00–C97)	3,513	11.4	1,049.3
3	Cerebrovascular diseases (I60–I69)	2,719	8.8	812.1
4	Alzheimer disease (G30)	2,581	8.4	770.9
5	COVID-19 (U07.1)	2,040	6.6	609.3
6	Diabetes mellitus (E10–E149)	1,124	3.6	335.7
7	Essential hypertension and hypertensive renal disease (I10,I12,I15)	929	3.0	277.5
8	Chronic lower respiratory diseases (J40–J47)	817	2.7	244.0
9	Influenza and pneumonia (J09–J18)	792	2.6	236.6
10	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	770	2.5	230.0
...	All other causes (residual)	8,214	26.6	2,453.4
Asian, non-Hispanic, male, all ages ⁵				
...	All causes	46,137	100.0	472.3
1	Malignant neoplasms (C00–C97)	10,023	21.7	102.6
2	Diseases of heart (I00–I09,I11,I13,I20–I51)	9,980	21.6	102.2
3	COVID-19 (U07.1)	3,120	6.8	31.9
4	Cerebrovascular diseases (I60–I69)	2,852	6.2	29.2
5	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	2,658	5.8	27.2
6	Diabetes mellitus (E10–E149)	1,982	4.3	20.3
7	Alzheimer disease (G30)	1,069	2.3	10.9
8	Chronic lower respiratory diseases (J40–J47)	1,058	2.3	10.8
9	Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27)	1,041	2.3	10.7
10	Intentional self-harm (suicide) (*U03,X60–X84,Y87.0)	1,025	2.2	10.5
...	All other causes (residual)	11,329	24.6	116.0
Asian, non-Hispanic, male, 1–4				
...	All causes	70	100.0	16.0
1	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	16	22.9	*
2	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	6	8.6	*
3	Malignant neoplasms (C00–C97)	5	7.1	*
3	Diseases of heart (I00–I09,I11,I13,I20–I51)	5	7.1	*
5	Assault (homicide) (*U01–*U02.9,X85–Y09,Y87.1)	3	4.3	*
5	COVID-19 (U07.1)	3	4.3	*
7	Septicemia (A40–A41)	2	2.9	*
7	Influenza and pneumonia (J09–J18)	2	2.9	*
9	Meningitis (G00,G03)	1	1.4	*
9	Viral hepatitis (B15–B19)	1	1.4	*
9	Complications of medical and surgical care (Y40–Y84,Y88)	1	1.4	*
9	Certain conditions originating in the perinatal period (P00–P96)	1	1.4	*
...	All other causes (residual)	24	34.3	5.5

See footnotes at end of table.

Table 1. Number of deaths, percentage of total deaths, and death rate for the 10 leading causes of death in selected age groups, by race and Hispanic origin and sex: United States, 2022—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. People of Hispanic origin may be of any race. Data for Hispanic people are not tabulated by race; data for non-Hispanic people are tabulated by race. Data for racial and ethnic groups other than Black non-Hispanic and White non-Hispanic should be interpreted with caution because of misreporting of Hispanic origin and race on the death certificate. An asterisk (*) preceding a cause-of-death code indicates that the code is not included in the *International Classification of Diseases, 10th Revision (ICD-10)*]

Rank ¹	Cause of death (based on ICD-10), race and Hispanic origin, sex, and age group (years)	Number ^{2,3}	Percent of total deaths ²⁻⁴	Death rate ^{2,3}
Asian, non-Hispanic, male, 5-9				
...	All causes	44	100.0	7.3
1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	13	29.5	*
2	Malignant neoplasms (C00-C97)	9	20.5	*
3	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	5	11.4	*
4	Diseases of heart (I00-I09,I11,I13,I20-I51)	4	9.1	*
5	COVID-19 (U07.1)	3	6.8	*
6	Assault (homicide) (*U01-*U02.9,X85-Y09,Y87.1)	2	4.5	*
7	Acute bronchitis and bronchiolitis (J20-J21)	1	2.3	*
...	All other causes (residual)	7	15.9	*
Asian, non-Hispanic, male, 10-14				
...	All causes	66	100.0	11.5
1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	15	22.7	*
2	Malignant neoplasms (C00-C97)	9	13.6	*
3	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	8	12.1	*
4	Assault (homicide) (*U01-*U02.9,X85-Y09,Y87.1)	5	7.6	*
5	Diseases of heart (I00-I09,I11,I13,I20-I51)	4	6.1	*
5	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	4	6.1	*
7	Septicemia (A40-A41)	3	4.5	*
8	Cerebrovascular diseases (I60-I69)	2	3.0	*
8	COVID-19 (U07.1)	2	3.0	*
10	Aortic aneurysm and dissection (I71)	1	1.5	*
10	In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior (D00-D48)	1	1.5	*
10	Influenza and pneumonia (J09-J18)	1	1.5	*
10	Chronic lower respiratory diseases (J40-J47)	1	1.5	*
...	All other causes (residual)	10	15.2	*
Asian, non-Hispanic, male, 15-19				
...	All causes	208	100.0	35.5
1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	69	33.2	11.8
2	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	67	32.2	11.4
3	Assault (homicide) (*U01-*U02.9,X85-Y09,Y87.1)	13	6.3	*
4	Malignant neoplasms (C00-C97)	10	4.8	*
5	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	5	2.4	*
5	Diseases of heart (I00-I09,I11,I13,I20-I51)	5	2.4	*
7	Influenza and pneumonia (J09-J18)	4	1.9	*
8	COVID-19 (U07.1)	3	1.4	*
9	Cerebrovascular diseases (I60-I69)	2	1.0	*
10	Anemias (D50-D64)	1	0.5	*
10	Meningitis (G00,G03)	1	0.5	*
10	Complications of medical and surgical care (Y40-Y84,Y88)	1	0.5	*
10	Aortic aneurysm and dissection (I71)	1	0.5	*
10	Septicemia (A40-A41)	1	0.5	*
...	All other causes (residual)	25	12.0	4.3

See footnotes at end of table.

Table 1. Number of deaths, percentage of total deaths, and death rate for the 10 leading causes of death in selected age groups, by race and Hispanic origin and sex: United States, 2022—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. People of Hispanic origin may be of any race. Data for Hispanic people are not tabulated by race; data for non-Hispanic people are tabulated by race. Data for racial and ethnic groups other than Black non-Hispanic and White non-Hispanic should be interpreted with caution because of misreporting of Hispanic origin and race on the death certificate. An asterisk (*) preceding a cause-of-death code indicates that the code is not included in the *International Classification of Diseases, 10th Revision (ICD-10)*]

Rank ¹	Cause of death (based on ICD-10), race and Hispanic origin, sex, and age group (years)	Number ^{2,3}	Percent of total deaths ²⁻⁴	Death rate ^{2,3}
Asian, non-Hispanic, male, 20–24				
...	All causes	361	100.0	54.8
1	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	132	36.6	20.0
2	Intentional self-harm (suicide) (*U03,X60–X84,Y87.0)	127	35.2	19.3
3	Malignant neoplasms (C00–C97)	24	6.6	3.6
4	Assault (homicide) (*U01–*U02.9,X85–Y09,Y87.1)	14	3.9	*
5	Diseases of heart (I00–I09,I11,I13,I20–I51)	8	2.2	*
6	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	4	1.1	*
7	Influenza and pneumonia (J09–J18)	2	0.6	*
7	Diabetes mellitus (E10–E149)	2	0.6	*
7	COVID-19 (U07.1)	2	0.6	*
10	Septicemia (A40–A41)	1	0.3	*
10	Complications of medical and surgical care (Y40–Y84,Y88)	1	0.3	*
10	Cerebrovascular diseases (I60–I69)	1	0.3	*
10	Aortic aneurysm and dissection (I71)	1	0.3	*
10	Certain conditions originating in the perinatal period (P00–P96)	1	0.3	*
10	Chronic liver disease and cirrhosis (K70,K73–K74)	1	0.3	*
10	Tuberculosis (A16–A19)	1	0.3	*
10	Pneumonitis due to solids and liquids (J69)	1	0.3	*
10	Legal intervention (Y35,Y89.0)	1	0.3	*
...	All other causes (residual)	37	10.2	5.6
Asian, non-Hispanic, male, 25–34				
...	All causes	1,097	100.0	69.1
1	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	390	35.6	24.5
2	Intentional self-harm (suicide) (*U03,X60–X84,Y87.0)	231	21.1	14.5
3	Malignant neoplasms (C00–C97)	82	7.5	5.2
4	Diseases of heart (I00–I09,I11,I13,I20–I51)	77	7.0	4.8
5	COVID-19 (U07.1)	47	4.3	3.0
6	Assault (homicide) (*U01–*U02.9,X85–Y09,Y87.1)	36	3.3	2.3
7	Chronic liver disease and cirrhosis (K70,K73–K74)	24	2.2	1.5
8	Diabetes mellitus (E10–E149)	11	1.0	*
9	Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27)	10	0.9	*
10	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	9	0.8	*
10	Cerebrovascular diseases (I60–I69)	9	0.8	*
...	All other causes (residual)	171	15.6	10.8
Asian, non-Hispanic, male, 35–44				
...	All causes	1,661	100.0	104.8
1	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	397	23.9	25.1
2	Diseases of heart (I00–I09,I11,I13,I20–I51)	273	16.4	17.2
3	Malignant neoplasms (C00–C97)	236	14.2	14.9
4	Intentional self-harm (suicide) (*U03,X60–X84,Y87.0)	159	9.6	10.0
5	Chronic liver disease and cirrhosis (K70,K73–K74)	92	5.5	5.8
6	COVID-19 (U07.1)	60	3.6	3.8
7	Cerebrovascular diseases (I60–I69)	56	3.4	3.5
8	Diabetes mellitus (E10–E149)	50	3.0	3.2
9	Assault (homicide) (*U01–*U02.9,X85–Y09,Y87.1)	38	2.3	2.4
10	Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27)	18	1.1	*
...	All other causes (residual)	282	17.0	17.8

Table 1. Number of deaths, percentage of total deaths, and death rate for the 10 leading causes of death in selected age groups, by race and Hispanic origin and sex: United States, 2022—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. People of Hispanic origin may be of any race. Data for Hispanic people are not tabulated by race; data for non-Hispanic people are tabulated by race. Data for racial and ethnic groups other than Black non-Hispanic and White non-Hispanic should be interpreted with caution because of misreporting of Hispanic origin and race on the death certificate. An asterisk (*) preceding a cause-of-death code indicates that the code is not included in the *International Classification of Diseases, 10th Revision (ICD-10)*]

Rank ¹	Cause of death (based on ICD-10), race and Hispanic origin, sex, and age group (years)	Number ^{2,3}	Percent of total deaths ²⁻⁴	Death rate ^{2,3}
Asian, non-Hispanic, male, 45-54				
...	All causes	3,071	100.0	228.0
1	Malignant neoplasms (C00-C97)	701	22.8	52.0
2	Diseases of heart (I00-I09,I11,I13,I20-I51)	670	21.8	49.7
3	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	309	10.1	22.9
4	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	171	5.6	12.7
5	Cerebrovascular diseases (I60-I69)	170	5.5	12.6
6	COVID-19 (U07.1)	150	4.9	11.1
7	Diabetes mellitus (E10-E149)	140	4.6	10.4
8	Chronic liver disease and cirrhosis (K70,K73-K74)	106	3.5	7.9
9	Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	41	1.3	3.0
10	Essential hypertension and hypertensive renal disease (I10,I12,I15)	38	1.2	2.8
...	All other causes (residual)	575	18.7	42.7
Asian, non-Hispanic, male, 55-64				
...	All causes	5,562	100.0	531.6
1	Malignant neoplasms (C00-C97)	1,670	30.0	159.6
2	Diseases of heart (I00-I09,I11,I13,I20-I51)	1,256	22.6	120.0
3	COVID-19 (U07.1)	342	6.1	32.7
4	Cerebrovascular diseases (I60-I69)	319	5.7	30.5
5	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	289	5.2	27.6
6	Diabetes mellitus (E10-E149)	286	5.1	27.3
7	Chronic liver disease and cirrhosis (K70,K73-K74)	127	2.3	12.1
8	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	111	2.0	10.6
9	Essential hypertension and hypertensive renal disease (I10,I12,I15)	101	1.8	9.7
10	Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	100	1.8	9.6
...	All other causes (residual)	961	17.3	91.8
Asian, non-Hispanic, male, 65 and older				
...	All causes	33,641	100.0	2,723.6
1	Diseases of heart (I00-I09,I11,I13,I20-I51)	7,674	22.8	621.3
2	Malignant neoplasms (C00-C97)	7,276	21.6	589.1
3	COVID-19 (U07.1)	2,508	7.5	203.0
4	Cerebrovascular diseases (I60-I69)	2,293	6.8	185.6
5	Diabetes mellitus (E10-E149)	1,493	4.4	120.9
6	Alzheimer disease (G30)	1,058	3.1	85.7
7	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	1,008	3.0	81.6
8	Chronic lower respiratory diseases (J40-J47)	972	2.9	78.7
9	Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	869	2.6	70.4
10	Influenza and pneumonia (J09-J18)	785	2.3	63.6
...	All other causes (residual)	7,705	22.9	623.8
Asian, non-Hispanic, male, 65-74				
...	All causes	9,376	100.0	1,249.6
1	Malignant neoplasms (C00-C97)	2,830	30.2	377.2
2	Diseases of heart (I00-I09,I11,I13,I20-I51)	2,059	22.0	274.4
3	COVID-19 (U07.1)	636	6.8	84.8
4	Cerebrovascular diseases (I60-I69)	569	6.1	75.8
5	Diabetes mellitus (E10-E149)	430	4.6	57.3
6	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	309	3.3	41.2
7	Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	236	2.5	31.5
8	Chronic lower respiratory diseases (J40-J47)	187	2.0	24.9
9	Essential hypertension and hypertensive renal disease (I10,I12,I15)	162	1.7	21.6
10	Influenza and pneumonia (J09-J18)	149	1.6	19.9
...	All other causes (residual)	1,809	19.3	241.1

Table 1. Number of deaths, percentage of total deaths, and death rate for the 10 leading causes of death in selected age groups, by race and Hispanic origin and sex: United States, 2022—Con.

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Rank ¹	Cause of death (based on ICD-10), race and Hispanic origin, sex, and age group (years)	Number ^{2,3}	Percent of total deaths ²⁻⁴	Death rate ^{2,3}
Asian, non-Hispanic, male, 75-84				
...	All causes	11,746	100.0	3,256.5
1	Malignant neoplasms (C00-C97)	2,735	23.3	758.3
2	Diseases of heart (I00-I09,I11,I13,I20-I51)	2,581	22.0	715.6
3	COVID-19 (U07.1)	853	7.3	236.5
4	Cerebrovascular diseases (I60-I69)	798	6.8	221.2
5	Diabetes mellitus (E10-E149)	590	5.0	163.6
6	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	357	3.0	99.0
7	Chronic lower respiratory diseases (J40-J47)	354	3.0	98.1
8	Parkinson disease (G20-G21)	338	2.9	93.7
9	Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	311	2.6	86.2
10	Influenza and pneumonia (J09-J18)	275	2.3	76.2
...	All other causes (residual)	2,554	21.7	708.1
Asian, non-Hispanic, male, 85 and older				
...	All causes	12,519	100.0	10,082.0
1	Diseases of heart (I00-I09,I11,I13,I20-I51)	3,034	24.2	2,443.4
2	Malignant neoplasms (C00-C97)	1,711	13.7	1,377.9
3	COVID-19 (U07.1)	1,019	8.1	820.6
4	Cerebrovascular diseases (I60-I69)	926	7.4	745.7
5	Alzheimer disease (G30)	720	5.8	579.8
6	Diabetes mellitus (E10-E149)	473	3.8	380.9
7	Chronic lower respiratory diseases (J40-J47)	431	3.4	347.1
8	Influenza and pneumonia (J09-J18)	361	2.9	290.7
9	Essential hypertension and hypertensive renal disease (I10,I12,I15)	344	2.7	277.0
10	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	342	2.7	275.4
...	All other causes (residual)	3,158	25.2	2,543.2
Asian, non-Hispanic, female, all ages ⁵				
...	All causes	43,454	100.0	413.6
1	Malignant neoplasms (C00-C97)	9,841	22.6	93.7
2	Diseases of heart (I00-I09,I11,I13,I20-I51)	8,111	18.7	77.2
3	Cerebrovascular diseases (I60-I69)	3,630	8.4	34.5
4	Alzheimer disease (G30)	2,379	5.5	22.6
5	COVID-19 (U07.1)	2,330	5.4	22.2
6	Diabetes mellitus (E10-E149)	1,727	4.0	16.4
7	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	1,388	3.2	13.2
8	Essential hypertension and hypertensive renal disease (I10,I12,I15)	1,035	2.4	9.9
9	Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	944	2.2	9.0
10	Influenza and pneumonia (J09-J18)	858	2.0	8.2
...	All other causes (residual)	11,211	25.8	106.7
Asian, non-Hispanic, female, 1-4				
...	All causes	50	100.0	12.2
1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	11	22.0	*
2	Diseases of heart (I00-I09,I11,I13,I20-I51)	5	10.0	*
3	Malignant neoplasms (C00-C97)	3	6.0	*
3	COVID-19 (U07.1)	3	6.0	*
3	Assault (homicide) (*U01-*U02.9,X85-Y09,Y87.1)	3	6.0	*
3	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	3	6.0	*
7	Meningitis (G00,G03)	1	2.0	*
7	Viral hepatitis (B15-B19)	1	2.0	*
7	Septicemia (A40-A41)	1	2.0	*
7	Anemias (D50-D64)	1	2.0	*
7	Influenza and pneumonia (J09-J18)	1	2.0	*
...	All other causes (residual)	17	34.0	*

Table 1. Number of deaths, percentage of total deaths, and death rate for the 10 leading causes of death in selected age groups, by race and Hispanic origin and sex: United States, 2022—Con.

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Rank ¹	Cause of death (based on ICD-10), race and Hispanic origin, sex, and age group (years)	Number ^{2,3}	Percent of total deaths ²⁻⁴	Death rate ^{2,3}
Asian, non-Hispanic, female, 5-9				
...	All causes	42	100.0	7.4
1	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	8	19.0	*
2	Malignant neoplasms (C00-C97)	5	11.9	*
3	Diseases of heart (I00-I09,I11,I13,I20-I51)	3	7.1	*
3	Influenza and pneumonia (J09-J18)	3	7.1	*
3	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	3	7.1	*
6	Cerebrovascular diseases (I60-I69)	2	4.8	*
7	Anemias (D50-D64)	1	2.4	*
7	Assault (homicide) (*U01-*U02.9,X85-Y09,Y87.1)	1	2.4	*
7	COVID-19 (U07.1)	1	2.4	*
7	Hernia (K40-K46)	1	2.4	*
...	All other causes (residual)	14	33.3	*
Asian, non-Hispanic, female, 10-14				
...	All causes	41	100.0	7.5
1	Malignant neoplasms (C00-C97)	12	29.3	*
2	Diseases of heart (I00-I09,I11,I13,I20-I51)	5	12.2	*
2	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	5	12.2	*
4	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	3	7.3	*
5	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	2	4.9	*
6	In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior (D00-D48)	1	2.4	*
6	Influenza and pneumonia (J09-J18)	1	2.4	*
6	Cerebrovascular diseases (I60-I69)	1	2.4	*
6	Anemias (D50-D64)	1	2.4	*
6	COVID-19 (U07.1)	1	2.4	*
6	Assault (homicide) (*U01-*U02.9,X85-Y09,Y87.1)	1	2.4	*
...	All other causes (residual)	8	19.5	*
Asian, non-Hispanic, female, 15-19				
...	All causes	92	100.0	16.1
1	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	27	29.3	4.7
2	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	20	21.7	3.5
3	Malignant neoplasms (C00-C97)	10	10.9	*
4	Assault (homicide) (*U01-*U02.9,X85-Y09,Y87.1)	4	4.3	*
5	COVID-19 (U07.1)	3	3.3	*
6	Chronic lower respiratory diseases (J40-J47)	2	2.2	*
6	Pregnancy, childbirth and the puerperium (O00-O99)	2	2.2	*
8	In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior (D00-D48)	1	1.1	*
8	Diseases of heart (I00-I09,I11,I13,I20-I51)	1	1.1	*
8	Cerebrovascular diseases (I60-I69)	1	1.1	*
8	Certain conditions originating in the perinatal period (P00-P96)	1	1.1	*
...	All other causes (residual)	20	21.7	3.5

See footnotes at end of table.

Table 1. Number of deaths, percentage of total deaths, and death rate for the 10 leading causes of death in selected age groups, by race and Hispanic origin and sex: United States, 2022—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. People of Hispanic origin may be of any race. Data for Hispanic people are not tabulated by race; data for non-Hispanic people are tabulated by race. Data for racial and ethnic groups other than Black non-Hispanic and White non-Hispanic should be interpreted with caution because of misreporting of Hispanic origin and race on the death certificate. An asterisk (*) preceding a cause-of-death code indicates that the code is not included in the *International Classification of Diseases, 10th Revision (ICD-10)*]

Rank ¹	Cause of death (based on ICD-10), race and Hispanic origin, sex, and age group (years)	Number ^{2,3}	Percent of total deaths ²⁻⁴	Death rate ^{2,3}
Asian, non-Hispanic, female, 20-24				
...	All causes	162	100.0	24.9
1	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	52	32.1	8.0
2	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	37	22.8	5.7
3	Malignant neoplasms (C00-C97)	18	11.1	*
4	Assault (homicide) (*U01-*U02.9,X85-Y09,Y87.1)	8	4.9	*
5	COVID-19 (U07.1)	5	3.1	*
6	Diseases of heart (I00-I09,I11,I13,I20-I51)	4	2.5	*
7	Influenza and pneumonia (J09-J18)	3	1.9	*
8	Pregnancy, childbirth and the puerperium (O00-O99)	2	1.2	*
8	Cerebrovascular diseases (I60-I69)	2	1.2	*
8	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	2	1.2	*
...	All other causes (residual)	29	17.9	4.5
Asian, non-Hispanic, female, 25-34				
...	All causes	483	100.0	29.8
1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	101	20.9	6.2
2	Malignant neoplasms (C00-C97)	88	18.2	5.4
3	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	86	17.8	5.3
4	Pregnancy, childbirth and the puerperium (O00-O99)	25	5.2	1.5
5	Diseases of heart (I00-I09,I11,I13,I20-I51)	23	4.8	1.4
6	Assault (homicide) (*U01-*U02.9,X85-Y09,Y87.1)	22	4.6	1.4
7	Cerebrovascular diseases (I60-I69)	11	2.3	*
7	COVID-19 (U07.1)	11	2.3	*
9	Chronic liver disease and cirrhosis (K70,K73-K74)	9	1.9	*
9	Diabetes mellitus (E10-E149)	9	1.9	*
...	All other causes (residual)	98	20.3	6.0
Asian, non-Hispanic, female, 35-44				
...	All causes	934	100.0	54.4
1	Malignant neoplasms (C00-C97)	348	37.3	20.3
2	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	105	11.2	6.1
3	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	67	7.2	3.9
4	Cerebrovascular diseases (I60-I69)	51	5.5	3.0
5	Diseases of heart (I00-I09,I11,I13,I20-I51)	50	5.4	2.9
6	COVID-19 (U07.1)	42	4.5	2.4
7	Chronic liver disease and cirrhosis (K70,K73-K74)	36	3.9	2.1
8	Assault (homicide) (*U01-*U02.9,X85-Y09,Y87.1)	25	2.7	1.5
9	Pregnancy, childbirth and the puerperium (O00-O99)	17	1.8	*
10	Diabetes mellitus (E10-E149)	13	1.4	*
...	All other causes (residual)	180	19.3	10.5
Asian, non-Hispanic, female, 45-54				
...	All causes	1,871	100.0	124.9
1	Malignant neoplasms (C00-C97)	935	50.0	62.4
2	Diseases of heart (I00-I09,I11,I13,I20-I51)	149	8.0	9.9
3	Cerebrovascular diseases (I60-I69)	128	6.8	8.5
4	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	91	4.9	6.1
5	COVID-19 (U07.1)	76	4.1	5.1
6	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	61	3.3	4.1
7	Diabetes mellitus (E10-E149)	53	2.8	3.5
8	Chronic liver disease and cirrhosis (K70,K73-K74)	43	2.3	2.9
9	Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	21	1.1	1.4
10	In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior (D00-D48)	20	1.1	1.3
...	All other causes (residual)	294	15.7	19.6

See footnotes at end of table.

Table 1. Number of deaths, percentage of total deaths, and death rate for the 10 leading causes of death in selected age groups, by race and Hispanic origin and sex: United States, 2022—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. People of Hispanic origin may be of any race. Data for Hispanic people are not tabulated by race; data for non-Hispanic people are tabulated by race. Data for racial and ethnic groups other than Black non-Hispanic and White non-Hispanic should be interpreted with caution because of misreporting of Hispanic origin and race on the death certificate. An asterisk (*) preceding a cause-of-death code indicates that the code is not included in the *International Classification of Diseases, 10th Revision (ICD-10)*]

Rank ¹	Cause of death (based on ICD-10), race and Hispanic origin, sex, and age group (years)	Number ^{2,3}	Percent of total deaths ²⁻⁴	Death rate ^{2,3}
Asian, non-Hispanic, female, 55-64				
...	All causes	3,409	100.0	283.5
1	Malignant neoplasms (C00-C97)	1,604	47.1	133.4
2	Diseases of heart (I00-I09,I11,I13,I20-I51)	405	11.9	33.7
3	Cerebrovascular diseases (I60-I69)	203	6.0	16.9
4	COVID-19 (U07.1)	170	5.0	14.1
5	Diabetes mellitus (E10-E149)	131	3.8	10.9
6	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	104	3.1	8.6
7	Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	63	1.8	5.2
8	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	57	1.7	4.7
9	Chronic liver disease and cirrhosis (K70,K73-K74)	46	1.3	3.8
9	Essential hypertension and hypertensive renal disease (I10,I12,I15)	46	1.3	3.8
...	All other causes (residual)	580	17.0	48.2
Asian, non-Hispanic, female, 65 and older				
...	All causes	36,102	100.0	2,228.9
1	Diseases of heart (I00-I09,I11,I13,I20-I51)	7,460	20.7	460.6
2	Malignant neoplasms (C00-C97)	6,816	18.9	420.8
3	Cerebrovascular diseases (I60-I69)	3,231	8.9	199.5
4	Alzheimer disease (G30)	2,374	6.6	146.6
5	COVID-19 (U07.1)	2,015	5.6	124.4
6	Diabetes mellitus (E10-E149)	1,520	4.2	93.8
7	Essential hypertension and hypertensive renal disease (I10,I12,I15)	966	2.7	59.6
8	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	910	2.5	56.2
9	Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	846	2.3	52.2
10	Influenza and pneumonia (J09-J18)	787	2.2	48.6
...	All other causes (residual)	9,177	25.4	566.6
Asian, non-Hispanic, female, 65-74				
...	All causes	6,917	100.0	733.9
1	Malignant neoplasms (C00-C97)	2,552	36.9	270.8
2	Diseases of heart (I00-I09,I11,I13,I20-I51)	1,044	15.1	110.8
3	Cerebrovascular diseases (I60-I69)	481	7.0	51.0
4	COVID-19 (U07.1)	402	5.8	42.7
5	Diabetes mellitus (E10-E149)	352	5.1	37.3
6	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	180	2.6	19.1
7	Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	161	2.3	17.1
8	Influenza and pneumonia (J09-J18)	125	1.8	13.3
9	Essential hypertension and hypertensive renal disease (I10,I12,I15)	110	1.6	11.7
10	Septicemia (A40-A41)	92	1.3	9.8
...	All other causes (residual)	1,418	20.5	150.4
Asian, non-Hispanic, female, 75-84				
...	All causes	10,882	100.0	2,332.5
1	Malignant neoplasms (C00-C97)	2,462	22.6	527.7
2	Diseases of heart (I00-I09,I11,I13,I20-I51)	2,127	19.5	455.9
3	Cerebrovascular diseases (I60-I69)	957	8.8	205.1
4	COVID-19 (U07.1)	592	5.4	126.9
5	Diabetes mellitus (E10-E149)	517	4.8	110.8
6	Alzheimer disease (G30)	424	3.9	90.9
7	Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	312	2.9	66.9
8	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	302	2.8	64.7
9	Essential hypertension and hypertensive renal disease (I10,I12,I15)	271	2.5	58.1
10	Influenza and pneumonia (J09-J18)	231	2.1	49.5
...	All other causes (residual)	2,687	24.7	575.9

Table 1. Number of deaths, percentage of total deaths, and death rate for the 10 leading causes of death in selected age groups, by race and Hispanic origin and sex: United States, 2022—Con.

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Rank ¹	Cause of death (based on ICD-10), race and Hispanic origin, sex, and age group (years)	Number ^{2,3}	Percent of total deaths ²⁻⁴	Death rate ^{2,3}
Asian, non-Hispanic, female, 85 and older				
...	All causes	18,303	100.0	8,689.8
1	Diseases of heart (I00-I09,I11,I13,I20-I51)	4,289	23.4	2,036.3
2	Alzheimer disease (G30)	1,861	10.2	883.6
3	Malignant neoplasms (C00-C97)	1,802	9.8	855.5
4	Cerebrovascular diseases (I60-I69)	1,793	9.8	851.3
5	COVID-19 (U07.1)	1,021	5.6	484.7
6	Diabetes mellitus (E10-E149)	651	3.6	309.1
7	Essential hypertension and hypertensive renal disease (I10,I12,I15)	585	3.2	277.7
8	Influenza and pneumonia (J09-J18)	431	2.4	204.6
9	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	428	2.3	203.2
10	Chronic lower respiratory diseases (J40-J47)	386	2.1	183.3
...	All other causes (residual)	5,056	27.6	2,400.5
Black, non-Hispanic, both sexes, all ages ⁵				
...	All causes	411,934	100.0	979.2
1	Diseases of heart (I00-I09,I11,I13,I20-I51)	88,964	21.6	211.5
2	Malignant neoplasms (C00-C97)	70,698	17.2	168.0
3	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	34,644	8.4	82.3
4	Cerebrovascular diseases (I60-I69)	22,656	5.5	53.9
5	COVID-19 (U07.1)	21,896	5.3	52.0
6	Diabetes mellitus (E10-E149)	17,954	4.4	42.7
7	Assault (homicide) (*U01-*U02.9,X85-Y09,Y87.1)	13,236	3.2	31.5
8	Chronic lower respiratory diseases (J40-J47)	10,990	2.7	26.1
9	Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	10,921	2.7	26.0
10	Alzheimer disease (G30)	9,284	2.3	22.1
...	All other causes (residual)	110,691	26.9	263.1
Black, non-Hispanic, both sexes, 1-4				
...	All causes	1,116	100.0	52.8
1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	316	28.3	14.9
2	Assault (homicide) (*U01-*U02.9,X85-Y09,Y87.1)	160	14.3	7.6
3	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	104	9.3	4.9
4	Malignant neoplasms (C00-C97)	38	3.4	1.8
5	Certain conditions originating in the perinatal period (P00-P96)	30	2.7	1.4
6	Influenza and pneumonia (J09-J18)	29	2.6	1.4
7	Diseases of heart (I00-I09,I11,I13,I20-I51)	27	2.4	1.3
8	COVID-19 (U07.1)	21	1.9	1.0
9	Cerebrovascular diseases (I60-I69)	19	1.7	*
9	Chronic lower respiratory diseases (J40-J47)	19	1.7	*
...	All other causes (residual)	353	31.6	16.7
Black, non-Hispanic, both sexes, 5-9				
...	All causes	660	100.0	24.0
1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	196	29.7	7.1
2	Assault (homicide) (*U01-*U02.9,X85-Y09,Y87.1)	84	12.7	3.1
3	Malignant neoplasms (C00-C97)	74	11.2	2.7
4	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	45	6.8	1.6
5	Chronic lower respiratory diseases (J40-J47)	20	3.0	0.7
6	Diseases of heart (I00-I09,I11,I13,I20-I51)	17	2.6	*
7	Influenza and pneumonia (J09-J18)	16	2.4	*
8	Anemias (D50-D64)	15	2.3	*
9	COVID-19 (U07.1)	11	1.7	*
10	Septicemia (A40-A41)	9	1.4	*
...	All other causes (residual)	173	26.2	6.3

Table 1. Number of deaths, percentage of total deaths, and death rate for the 10 leading causes of death in selected age groups, by race and Hispanic origin and sex: United States, 2022—Con.

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Rank ¹	Cause of death (based on ICD-10), race and Hispanic origin, sex, and age group (years)	Number ^{2,3}	Percent of total deaths ²⁻⁴	Death rate ^{2,3}
Black, non-Hispanic, both sexes, 10-14				
...	All causes	842	100.0	29.2
1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	192	22.8	6.6
2	Assault (homicide) (*U01-*U02.9,X85-Y09,Y87.1)	176	20.9	6.1
3	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	64	7.6	2.2
4	Malignant neoplasms (C00-C97)	63	7.5	2.2
5	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	48	5.7	1.7
6	Diseases of heart (I00-I09,I11,I13,I20-I51)	34	4.0	1.2
7	Chronic lower respiratory diseases (J40-J47)	30	3.6	1.0
8	Diabetes mellitus (E10-E149)	16	1.9	*
9	Cerebrovascular diseases (I60-I69)	11	1.3	*
9	COVID-19 (U07.1)	11	1.3	*
...	All other causes (residual)	197	23.4	6.8
Black, non-Hispanic, both sexes, 15-19				
...	All causes	3,484	100.0	118.9
1	Assault (homicide) (*U01-*U02.9,X85-Y09,Y87.1)	1,764	50.6	60.2
2	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	718	20.6	24.5
3	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	316	9.1	10.8
4	Malignant neoplasms (C00-C97)	94	2.7	3.2
5	Diseases of heart (I00-I09,I11,I13,I20-I51)	79	2.3	2.7
6	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	38	1.1	1.3
7	COVID-19 (U07.1)	34	1.0	1.2
8	Chronic lower respiratory diseases (J40-J47)	30	0.9	1.0
9	Legal intervention (Y35,Y89.0)	20	0.6	0.7
10	Anemias (D50-D64)	19	0.5	*
10	Diabetes mellitus (E10-E149)	19	0.5	*
...	All other causes (residual)	353	10.1	12.0
Black, non-Hispanic, both sexes, 20-24				
...	All causes	5,882	100.0	186.1
1	Assault (homicide) (*U01-*U02.9,X85-Y09,Y87.1)	2,262	38.5	71.6
2	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	1,681	28.6	53.2
3	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	579	9.8	18.3
4	Diseases of heart (I00-I09,I11,I13,I20-I51)	185	3.1	5.9
5	Malignant neoplasms (C00-C97)	126	2.1	4.0
6	Diabetes mellitus (E10-E149)	93	1.6	2.9
7	COVID-19 (U07.1)	70	1.2	2.2
8	Chronic lower respiratory diseases (J40-J47)	57	1.0	1.8
9	Pregnancy, childbirth and the puerperium (O00-O99)	51	0.9	1.6
10	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	40	0.7	1.3
...	All other causes (residual)	738	12.5	23.4
Black, non-Hispanic, both sexes, 25-34				
...	All causes	17,383	100.0	264.9
1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	5,808	33.4	88.5
2	Assault (homicide) (*U01-*U02.9,X85-Y09,Y87.1)	4,058	23.3	61.9
3	Diseases of heart (I00-I09,I11,I13,I20-I51)	1,224	7.0	18.7
4	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	1,081	6.2	16.5
5	Malignant neoplasms (C00-C97)	607	3.5	9.3
6	Diabetes mellitus (E10-E149)	416	2.4	6.3
7	COVID-19 (U07.1)	386	2.2	5.9
8	Human immunodeficiency virus (HIV) disease (B20-B24)	308	1.8	4.7
9	Pregnancy, childbirth and the puerperium (O00-O99)	183	1.1	2.8
10	Cerebrovascular diseases (I60-I69)	163	0.9	2.5
...	All other causes (residual)	3,149	18.1	48.0

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Rank ¹	Cause of death (based on ICD-10), race and Hispanic origin, sex, and age group (years)	Number ^{2,3}	Percent of total deaths ²⁻⁴	Death rate ^{2,3}
Black, non-Hispanic, both sexes, 35-44				
...	All causes	23,234	100.0	412.6
1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	6,147	26.5	109.2
2	Diseases of heart (I00-I09,I11,I13,I20-I51)	3,608	15.5	64.1
3	Assault (homicide) (*U01-*U02.9,X85-Y09,Y87.1)	2,409	10.4	42.8
4	Malignant neoplasms (C00-C97)	1,964	8.5	34.9
5	Diabetes mellitus (E10-E149)	816	3.5	14.5
6	COVID-19 (U07.1)	794	3.4	14.1
7	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	722	3.1	12.8
8	Cerebrovascular diseases (I60-I69)	598	2.6	10.6
9	Chronic liver disease and cirrhosis (K70,K73-K74)	405	1.7	7.2
10	Human immunodeficiency virus (HIV) disease (B20-B24)	400	1.7	7.1
...	All other causes (residual)	5,371	23.1	95.4
Black, non-Hispanic, both sexes, 45-54				
...	All causes	35,376	100.0	701.8
1	Diseases of heart (I00-I09,I11,I13,I20-I51)	7,864	22.2	156.0
2	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	5,758	16.3	114.2
3	Malignant neoplasms (C00-C97)	5,150	14.6	102.2
4	Diabetes mellitus (E10-E149)	1,763	5.0	35.0
5	COVID-19 (U07.1)	1,726	4.9	34.2
6	Cerebrovascular diseases (I60-I69)	1,442	4.1	28.6
7	Assault (homicide) (*U01-*U02.9,X85-Y09,Y87.1)	1,172	3.3	23.3
8	Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	867	2.5	17.2
9	Chronic liver disease and cirrhosis (K70,K73-K74)	714	2.0	14.2
10	Essential hypertension and hypertensive renal disease (I10,I12,I15)	599	1.7	11.9
...	All other causes (residual)	8,321	23.5	165.1
Black, non-Hispanic, both sexes, 55-64				
...	All causes	73,375	100.0	1,468.2
1	Diseases of heart (I00-I09,I11,I13,I20-I51)	17,342	23.6	347.0
2	Malignant neoplasms (C00-C97)	15,693	21.4	314.0
3	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	7,167	9.8	143.4
4	COVID-19 (U07.1)	3,856	5.3	77.2
5	Diabetes mellitus (E10-E149)	3,709	5.1	74.2
6	Cerebrovascular diseases (I60-I69)	3,467	4.7	69.4
7	Chronic lower respiratory diseases (J40-J47)	1,916	2.6	38.3
8	Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	1,857	2.5	37.2
9	Chronic liver disease and cirrhosis (K70,K73-K74)	1,379	1.9	27.6
10	Essential hypertension and hypertensive renal disease (I10,I12,I15)	1,353	1.8	27.1
...	All other causes (residual)	15,636	21.3	312.9
Black, non-Hispanic, both sexes, 65 and older				
...	All causes	244,777	100.0	4,486.7
1	Diseases of heart (I00-I09,I11,I13,I20-I51)	58,519	23.9	1,072.6
2	Malignant neoplasms (C00-C97)	46,879	19.2	859.3
3	Cerebrovascular diseases (I60-I69)	16,878	6.9	309.4
4	COVID-19 (U07.1)	14,943	6.1	273.9
5	Diabetes mellitus (E10-E149)	11,109	4.5	203.6
6	Alzheimer disease (G30)	9,128	3.7	167.3
7	Chronic lower respiratory diseases (J40-J47)	8,062	3.3	147.8
8	Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	7,677	3.1	140.7
9	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	6,203	2.5	113.7
10	Essential hypertension and hypertensive renal disease (I10,I12,I15)	5,320	2.2	97.5
...	All other causes (residual)	60,059	24.5	1,100.9

Table 1. Number of deaths, percentage of total deaths, and death rate for the 10 leading causes of death in selected age groups, by race and Hispanic origin and sex: United States, 2022—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. People of Hispanic origin may be of any race. Data for Hispanic people are not tabulated by race; data for non-Hispanic people are tabulated by race. Data for racial and ethnic groups other than Black non-Hispanic and White non-Hispanic should be interpreted with caution because of misreporting of Hispanic origin and race on the death certificate. An asterisk (*) preceding a cause-of-death code indicates that the code is not included in the *International Classification of Diseases, 10th Revision (ICD-10)*]

Rank ¹	Cause of death (based on ICD-10), race and Hispanic origin, sex, and age group (years)	Number ^{2,3}	Percent of total deaths ²⁻⁴	Death rate ^{2,3}
Black, non-Hispanic, both sexes, 65–74				
...	All causes	96,857	100.0	2,791.3
1	Malignant neoplasms (C00–C97)	23,360	24.1	673.2
2	Diseases of heart (I00–I09,I11,I13,I20–I51)	23,107	23.9	665.9
3	COVID-19 (U07.1)	5,676	5.9	163.6
4	Cerebrovascular diseases (I60–I69)	5,600	5.8	161.4
5	Diabetes mellitus (E10–E149)	4,914	5.1	141.6
6	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	3,718	3.8	107.1
7	Chronic lower respiratory diseases (J40–J47)	3,339	3.4	96.2
8	Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27)	2,942	3.0	84.8
9	Septicemia (A40–A41)	2,009	2.1	57.9
10	Essential hypertension and hypertensive renal disease (I10,I12,I15)	1,865	1.9	53.7
...	All other causes (residual)	20,327	21.0	585.8
Black, non-Hispanic, both sexes, 75–84				
...	All causes	80,186	100.0	5,429.7
1	Diseases of heart (I00–I09,I11,I13,I20–I51)	18,703	23.3	1,266.4
2	Malignant neoplasms (C00–C97)	15,587	19.4	1,055.4
3	Cerebrovascular diseases (I60–I69)	5,592	7.0	378.7
4	COVID-19 (U07.1)	5,019	6.3	339.9
5	Diabetes mellitus (E10–E149)	3,898	4.9	263.9
6	Alzheimer disease (G30)	2,985	3.7	202.1
7	Chronic lower respiratory diseases (J40–J47)	2,867	3.6	194.1
8	Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27)	2,732	3.4	185.0
9	Essential hypertension and hypertensive renal disease (I10,I12,I15)	1,665	2.1	112.7
10	Septicemia (A40–A41)	1,653	2.1	111.9
...	All other causes (residual)	19,485	24.3	1,319.4
Black, non-Hispanic, both sexes, 85 and older				
...	All causes	67,734	100.0	13,311.4
1	Diseases of heart (I00–I09,I11,I13,I20–I51)	16,709	24.7	3,283.7
2	Malignant neoplasms (C00–C97)	7,932	11.7	1,558.8
3	Cerebrovascular diseases (I60–I69)	5,686	8.4	1,117.4
4	Alzheimer disease (G30)	5,140	7.6	1,010.1
5	COVID-19 (U07.1)	4,248	6.3	834.8
6	Diabetes mellitus (E10–E149)	2,297	3.4	451.4
7	Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27)	2,003	3.0	393.6
8	Chronic lower respiratory diseases (J40–J47)	1,856	2.7	364.7
9	Essential hypertension and hypertensive renal disease (I10,I12,I15)	1,790	2.6	351.8
10	Septicemia (A40–A41)	1,081	1.6	212.4
...	All other causes (residual)	18,992	28.0	3,732.4
Black, non-Hispanic, male, all ages ⁵				
...	All causes	219,538	100.0	1,085.4
1	Diseases of heart (I00–I09,I11,I13,I20–I51)	48,430	22.1	239.4
2	Malignant neoplasms (C00–C97)	35,442	16.1	175.2
3	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	24,776	11.3	122.5
4	Assault (homicide) (*U01–*U02.9,X85–Y09,Y87.1)	11,352	5.2	56.1
5	COVID-19 (U07.1)	10,778	4.9	53.3
6	Cerebrovascular diseases (I60–I69)	10,293	4.7	50.9
7	Diabetes mellitus (E10–E149)	9,371	4.3	46.3
8	Chronic lower respiratory diseases (J40–J47)	5,454	2.5	27.0
9	Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27)	5,349	2.4	26.4
10	Essential hypertension and hypertensive renal disease (I10,I12,I15)	3,750	1.7	18.5
...	All other causes (residual)	54,543	24.8	269.7

Table 1. Number of deaths, percentage of total deaths, and death rate for the 10 leading causes of death in selected age groups, by race and Hispanic origin and sex: United States, 2022—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. People of Hispanic origin may be of any race. Data for Hispanic people are not tabulated by race; data for non-Hispanic people are tabulated by race. Data for racial and ethnic groups other than Black non-Hispanic and White non-Hispanic should be interpreted with caution because of misreporting of Hispanic origin and race on the death certificate. An asterisk (*) preceding a cause-of-death code indicates that the code is not included in the *International Classification of Diseases, 10th Revision (ICD-10)*]

Rank ¹	Cause of death (based on ICD-10), race and Hispanic origin, sex, and age group (years)	Number ^{2,3}	Percent of total deaths ²⁻⁴	Death rate ^{2,3}
Black, non-Hispanic, male, 1-4				
...	All causes	634	100.0	59.2
1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	189	29.8	17.6
2	Assault (homicide) (*U01-*U02.9,X85-Y09,Y87.1)	92	14.5	8.6
3	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	50	7.9	4.7
4	Certain conditions originating in the perinatal period (P00-P96)	20	3.2	1.9
5	Malignant neoplasms (C00-C97)	17	2.7	*
5	Diseases of heart (I00-I09,I11,I13,I20-I51)	17	2.7	*
7	Influenza and pneumonia (J09-J18)	15	2.4	*
8	COVID-19 (U07.1)	13	2.1	*
9	Cerebrovascular diseases (I60-I69)	12	1.9	*
10	Chronic lower respiratory diseases (J40-J47)	7	1.1	*
...	All other causes (residual)	202	31.9	18.9
Black, non-Hispanic, male, 5-9				
...	All causes	365	100.0	26.2
1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	116	31.8	8.3
2	Assault (homicide) (*U01-*U02.9,X85-Y09,Y87.1)	46	12.6	3.3
3	Malignant neoplasms (C00-C97)	38	10.4	2.7
4	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	23	6.3	1.7
5	Influenza and pneumonia (J09-J18)	11	3.0	*
6	Chronic lower respiratory diseases (J40-J47)	10	2.7	*
7	Diseases of heart (I00-I09,I11,I13,I20-I51)	9	2.5	*
8	Septicemia (A40-A41)	7	1.9	*
8	Anemias (D50-D64)	7	1.9	*
10	COVID-19 (U07.1)	6	1.6	*
...	All other causes (residual)	92	25.2	6.6
Black, non-Hispanic, male, 10-14				
...	All causes	509	100.0	34.7
1	Assault (homicide) (*U01-*U02.9,X85-Y09,Y87.1)	138	27.1	9.4
2	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	118	23.2	8.0
3	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	36	7.1	2.5
4	Malignant neoplasms (C00-C97)	31	6.1	2.1
5	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	29	5.7	2.0
6	Chronic lower respiratory diseases (J40-J47)	20	3.9	1.4
7	Diseases of heart (I00-I09,I11,I13,I20-I51)	14	2.8	*
8	Cerebrovascular diseases (I60-I69)	8	1.6	*
9	Diabetes mellitus (E10-E149)	6	1.2	*
9	COVID-19 (U07.1)	6	1.2	*
...	All other causes (residual)	103	20.2	7.0
Black, non-Hispanic, male, 15-19				
...	All causes	2,715	100.0	182.9
1	Assault (homicide) (*U01-*U02.9,X85-Y09,Y87.1)	1,559	57.4	105.0
2	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	505	18.6	34.0
3	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	237	8.7	16.0
4	Diseases of heart (I00-I09,I11,I13,I20-I51)	51	1.9	3.4
5	Malignant neoplasms (C00-C97)	46	1.7	3.1
6	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	25	0.9	1.7
7	COVID-19 (U07.1)	20	0.7	1.3
8	Legal intervention (Y35,Y89.0)	19	0.7	*
9	Chronic lower respiratory diseases (J40-J47)	18	0.7	*
10	In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior (D00-D48)	10	0.4	*
...	All other causes (residual)	225	8.3	15.2

See footnotes at end of table.

Table 1. Number of deaths, percentage of total deaths, and death rate for the 10 leading causes of death in selected age groups, by race and Hispanic origin and sex: United States, 2022—Con.

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Rank ¹	Cause of death (based on ICD-10), race and Hispanic origin, sex, and age group (years)	Number ^{2,3}	Percent of total deaths ²⁻⁴	Death rate ^{2,3}
Black, non-Hispanic, male, 20–24				
...	All causes	4,465	100.0	280.3
1	Assault (homicide) (*U01–*U02.9,X85–Y09,Y87.1)	1,991	44.6	125.0
2	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	1,177	26.4	73.9
3	Intentional self-harm (suicide) (*U03,X60–X84,Y87.0)	479	10.7	30.1
4	Diseases of heart (I00–I09,I11,I13,I20–I51)	119	2.7	7.5
5	Malignant neoplasms (C00–C97)	86	1.9	5.4
6	Diabetes mellitus (E10–E149)	49	1.1	3.1
7	COVID-19 (U07.1)	45	1.0	2.8
8	Chronic lower respiratory diseases (J40–J47)	37	0.8	2.3
9	Legal intervention (Y35,Y89.0)	33	0.7	2.1
10	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	26	0.6	1.6
...	All other causes (residual)	423	9.5	26.6
Black, non-Hispanic, male, 25–34				
...	All causes	12,282	100.0	374.0
1	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	4,190	34.1	127.6
2	Assault (homicide) (*U01–*U02.9,X85–Y09,Y87.1)	3,542	28.8	107.8
3	Intentional self-harm (suicide) (*U03,X60–X84,Y87.0)	867	7.1	26.4
4	Diseases of heart (I00–I09,I11,I13,I20–I51)	799	6.5	24.3
5	Malignant neoplasms (C00–C97)	284	2.3	8.6
6	Diabetes mellitus (E10–E149)	259	2.1	7.9
7	Human immunodeficiency virus (HIV) disease (B20–B24)	240	2.0	7.3
8	COVID-19 (U07.1)	199	1.6	6.1
9	Cerebrovascular diseases (I60–I69)	81	0.7	2.5
10	Chronic lower respiratory diseases (J40–J47)	78	0.6	2.4
...	All other causes (residual)	1,743	14.2	53.1
Black, non-Hispanic, male, 35–44				
...	All causes	14,840	100.0	545.0
1	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	4,478	30.2	164.5
2	Diseases of heart (I00–I09,I11,I13,I20–I51)	2,288	15.4	84.0
3	Assault (homicide) (*U01–*U02.9,X85–Y09,Y87.1)	2,103	14.2	77.2
4	Malignant neoplasms (C00–C97)	771	5.2	28.3
5	Intentional self-harm (suicide) (*U03,X60–X84,Y87.0)	582	3.9	21.4
6	Diabetes mellitus (E10–E149)	486	3.3	17.8
7	COVID-19 (U07.1)	400	2.7	14.7
8	Cerebrovascular diseases (I60–I69)	321	2.2	11.8
9	Human immunodeficiency virus (HIV) disease (B20–B24)	276	1.9	10.1
10	Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27)	201	1.4	7.4
...	All other causes (residual)	2,934	19.8	107.8
Black, non-Hispanic, male, 45–54				
...	All causes	21,498	100.0	899.8
1	Diseases of heart (I00–I09,I11,I13,I20–I51)	5,098	23.7	213.4
2	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	4,364	20.3	182.7
3	Malignant neoplasms (C00–C97)	2,318	10.8	97.0
4	Diabetes mellitus (E10–E149)	1,091	5.1	45.7
5	Assault (homicide) (*U01–*U02.9,X85–Y09,Y87.1)	982	4.6	41.1
6	COVID-19 (U07.1)	910	4.2	38.1
7	Cerebrovascular diseases (I60–I69)	793	3.7	33.2
8	Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27)	518	2.4	21.7
9	Chronic liver disease and cirrhosis (K70,K73–K74)	416	1.9	17.4
10	Essential hypertension and hypertensive renal disease (I10,I12,I15)	384	1.8	16.1
...	All other causes (residual)	4,624	21.5	193.5

Table 1. Number of deaths, percentage of total deaths, and death rate for the 10 leading causes of death in selected age groups, by race and Hispanic origin and sex: United States, 2022—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. People of Hispanic origin may be of any race. Data for Hispanic people are not tabulated by race; data for non-Hispanic people are tabulated by race. Data for racial and ethnic groups other than Black non-Hispanic and White non-Hispanic should be interpreted with caution because of misreporting of Hispanic origin and race on the death certificate. An asterisk (*) preceding a cause-of-death code indicates that the code is not included in the *International Classification of Diseases, 10th Revision (ICD-10)*]

Rank ¹	Cause of death (based on ICD-10), race and Hispanic origin, sex, and age group (years)	Number ^{2,3}	Percent of total deaths ²⁻⁴	Death rate ^{2,3}
Black, non-Hispanic, male, 55-64				
...	All causes	43,345	100.0	1,866.7
1	Diseases of heart (I00-I09,I11,I13,I20-I51)	11,076	25.6	477.0
2	Malignant neoplasms (C00-C97)	7,896	18.2	340.1
3	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	5,366	12.4	231.1
4	Diabetes mellitus (E10-E149)	2,171	5.0	93.5
5	Cerebrovascular diseases (I60-I69)	2,019	4.7	87.0
6	COVID-19 (U07.1)	2,001	4.6	86.2
7	Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	1,059	2.4	45.6
8	Chronic lower respiratory diseases (J40-J47)	961	2.2	41.4
9	Chronic liver disease and cirrhosis (K70,K73-K74)	882	2.0	38.0
10	Essential hypertension and hypertensive renal disease (I10,I12,I15)	811	1.9	34.9
...	All other causes (residual)	9,103	21.0	392.0
Black, non-Hispanic, male, 65 and older				
...	All causes	115,650	100.0	5,198.7
1	Diseases of heart (I00-I09,I11,I13,I20-I51)	28,920	25.0	1,300.0
2	Malignant neoplasms (C00-C97)	23,950	20.7	1,076.6
3	COVID-19 (U07.1)	7,153	6.2	321.5
4	Cerebrovascular diseases (I60-I69)	7,017	6.1	315.4
5	Diabetes mellitus (E10-E149)	5,294	4.6	238.0
6	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	4,021	3.5	180.8
7	Chronic lower respiratory diseases (J40-J47)	3,993	3.5	179.5
8	Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	3,475	3.0	156.2
9	Alzheimer disease (G30)	2,682	2.3	120.6
10	Essential hypertension and hypertensive renal disease (I10,I12,I15)	2,311	2.0	103.9
...	All other causes (residual)	26,834	23.2	1,206.2
Black, non-Hispanic, male, 65-74				
...	All causes	54,062	100.0	3,600.0
1	Diseases of heart (I00-I09,I11,I13,I20-I51)	13,941	25.8	928.3
2	Malignant neoplasms (C00-C97)	12,498	23.1	832.3
3	Cerebrovascular diseases (I60-I69)	2,967	5.5	197.6
4	COVID-19 (U07.1)	2,953	5.5	196.6
5	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	2,712	5.0	180.6
6	Diabetes mellitus (E10-E149)	2,678	5.0	178.3
7	Chronic lower respiratory diseases (J40-J47)	1,779	3.3	118.5
8	Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	1,522	2.8	101.4
9	Essential hypertension and hypertensive renal disease (I10,I12,I15)	1,013	1.9	67.5
10	Septicemia (A40-A41)	984	1.8	65.5
...	All other causes (residual)	11,015	20.4	733.5
Black, non-Hispanic, male, 75-84				
...	All causes	38,510	100.0	6,722.8
1	Diseases of heart (I00-I09,I11,I13,I20-I51)	9,301	24.2	1,623.7
2	Malignant neoplasms (C00-C97)	7,967	20.7	1,390.8
3	COVID-19 (U07.1)	2,498	6.5	436.1
4	Cerebrovascular diseases (I60-I69)	2,417	6.3	421.9
5	Diabetes mellitus (E10-E149)	1,839	4.8	321.0
6	Chronic lower respiratory diseases (J40-J47)	1,468	3.8	256.3
7	Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	1,237	3.2	215.9
8	Alzheimer disease (G30)	1,058	2.7	184.7
9	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	838	2.2	146.3
10	Septicemia (A40-A41)	752	2.0	131.3
...	All other causes (residual)	9,135	23.7	1,594.7

Table 1. Number of deaths, percentage of total deaths, and death rate for the 10 leading causes of death in selected age groups, by race and Hispanic origin and sex: United States, 2022—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. People of Hispanic origin may be of any race. Data for Hispanic people are not tabulated by race; data for non-Hispanic people are tabulated by race. Data for racial and ethnic groups other than Black non-Hispanic and White non-Hispanic should be interpreted with caution because of misreporting of Hispanic origin and race on the death certificate. An asterisk (*) preceding a cause-of-death code indicates that the code is not included in the *International Classification of Diseases, 10th Revision (ICD-10)*]

Rank ¹	Cause of death (based on ICD-10), race and Hispanic origin, sex, and age group (years)	Number ^{2,3}	Percent of total deaths ²⁻⁴	Death rate ^{2,3}
Black, non-Hispanic, male, 85 and older				
...	All causes	23,078	100.0	15,380.3
1	Diseases of heart (I00-I09,I11,I13,I20-I51)	5,678	24.6	3,784.1
2	Malignant neoplasms (C00-C97)	3,485	15.1	2,322.6
3	COVID-19 (U07.1)	1,702	7.4	1,134.3
4	Cerebrovascular diseases (I60-I69)	1,633	7.1	1,088.3
5	Alzheimer disease (G30)	1,236	5.4	823.7
6	Diabetes mellitus (E10-E149)	777	3.4	517.8
7	Chronic lower respiratory diseases (J40-J47)	746	3.2	497.2
8	Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	716	3.1	477.2
9	Essential hypertension and hypertensive renal disease (I10,I12,I15)	548	2.4	365.2
10	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	471	2.0	313.9
...	All other causes (residual)	6,086	26.4	4,056.0
Black, non-Hispanic, female, all ages⁵				
...	All causes	192,396	100.0	880.8
1	Diseases of heart (I00-I09,I11,I13,I20-I51)	40,534	21.1	185.6
2	Malignant neoplasms (C00-C97)	35,256	18.3	161.4
3	Cerebrovascular diseases (I60-I69)	12,363	6.4	56.6
4	COVID-19 (U07.1)	11,118	5.8	50.9
5	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	9,868	5.1	45.2
6	Diabetes mellitus (E10-E149)	8,583	4.5	39.3
7	Alzheimer disease (G30)	6,535	3.4	29.9
8	Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	5,572	2.9	25.5
9	Chronic lower respiratory diseases (J40-J47)	5,536	2.9	25.3
10	Essential hypertension and hypertensive renal disease (I10,I12,I15)	3,923	2.0	18.0
...	All other causes (residual)	53,108	27.6	243.1
Black, non-Hispanic, female, 1-4				
...	All causes	482	100.0	46.2
1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	127	26.3	12.2
2	Assault (homicide) (*U01-*U02.9,X85-Y09,Y87.1)	68	14.1	6.5
3	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	54	11.2	5.2
4	Malignant neoplasms (C00-C97)	21	4.4	2.0
5	Influenza and pneumonia (J09-J18)	14	2.9	*
6	Chronic lower respiratory diseases (J40-J47)	12	2.5	*
7	Diseases of heart (I00-I09,I11,I13,I20-I51)	10	2.1	*
7	Certain conditions originating in the perinatal period (P00-P96)	10	2.1	*
9	Septicemia (A40-A41)	9	1.9	*
10	COVID-19 (U07.1)	8	1.7	*
...	All other causes (residual)	149	30.9	14.3
Black, non-Hispanic, female, 5-9				
...	All causes	295	100.0	21.7
1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	80	27.1	5.9
2	Assault (homicide) (*U01-*U02.9,X85-Y09,Y87.1)	38	12.9	2.8
3	Malignant neoplasms (C00-C97)	36	12.2	2.7
4	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	22	7.5	1.6
5	Chronic lower respiratory diseases (J40-J47)	10	3.4	*
6	Anemias (D50-D64)	8	2.7	*
6	Diseases of heart (I00-I09,I11,I13,I20-I51)	8	2.7	*
8	Influenza and pneumonia (J09-J18)	5	1.7	*
8	COVID-19 (U07.1)	5	1.7	*
10	Diabetes mellitus (E10-E149)	4	1.4	*
...	All other causes (residual)	79	26.8	5.8

Table 1. Number of deaths, percentage of total deaths, and death rate for the 10 leading causes of death in selected age groups, by race and Hispanic origin and sex: United States, 2022—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. People of Hispanic origin may be of any race. Data for Hispanic people are not tabulated by race; data for non-Hispanic people are tabulated by race. Data for racial and ethnic groups other than Black non-Hispanic and White non-Hispanic should be interpreted with caution because of misreporting of Hispanic origin and race on the death certificate. An asterisk (*) preceding a cause-of-death code indicates that the code is not included in the *International Classification of Diseases, 10th Revision (ICD-10)*]

Rank ¹	Cause of death (based on ICD-10), race and Hispanic origin, sex, and age group (years)	Number ^{2,3}	Percent of total deaths ²⁻⁴	Death rate ^{2,3}
Black, non-Hispanic, female, 10-14				
...	All causes	333	100.0	23.5
1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	74	22.2	5.2
2	Assault (homicide) (*U01-*U02.9,X85-Y09,Y87.1)	38	11.4	2.7
3	Malignant neoplasms (C00-C97)	32	9.6	2.3
4	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	28	8.4	2.0
5	Diseases of heart (I00-I09,I11,I13,I20-I51)	20	6.0	1.4
6	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	19	5.7	*
7	Diabetes mellitus (E10-E149)	10	3.0	*
7	Chronic lower respiratory diseases (J40-J47)	10	3.0	*
9	COVID-19 (U07.1)	5	1.5	*
10	In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior (D00-D48)	4	1.2	*
10	Pregnancy, childbirth and the puerperium (O00-O99)	4	1.2	*
...	All other causes (residual)	89	26.7	6.3
Black, non-Hispanic, female, 15-19				
...	All causes	769	100.0	53.2
1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	213	27.7	14.7
2	Assault (homicide) (*U01-*U02.9,X85-Y09,Y87.1)	205	26.7	14.2
3	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	79	10.3	5.5
4	Malignant neoplasms (C00-C97)	48	6.2	3.3
5	Diseases of heart (I00-I09,I11,I13,I20-I51)	28	3.6	1.9
6	COVID-19 (U07.1)	14	1.8	*
7	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	13	1.7	*
8	Chronic lower respiratory diseases (J40-J47)	12	1.6	*
9	Anemias (D50-D64)	11	1.4	*
10	Diabetes mellitus (E10-E149)	10	1.3	*
...	All other causes (residual)	136	17.7	9.4
Black, non-Hispanic, female, 20-24				
...	All causes	1,417	100.0	90.4
1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	504	35.6	32.1
2	Assault (homicide) (*U01-*U02.9,X85-Y09,Y87.1)	271	19.1	17.3
3	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	100	7.1	6.4
4	Diseases of heart (I00-I09,I11,I13,I20-I51)	66	4.7	4.2
5	Pregnancy, childbirth and the puerperium (O00-O99)	51	3.6	3.3
6	Diabetes mellitus (E10-E149)	44	3.1	2.8
7	Malignant neoplasms (C00-C97)	40	2.8	2.6
8	COVID-19 (U07.1)	25	1.8	1.6
9	Chronic lower respiratory diseases (J40-J47)	20	1.4	1.3
10	Anemias (D50-D64)	15	1.1	*
...	All other causes (residual)	281	19.8	17.9
Black, non-Hispanic, female, 25-34				
...	All causes	5,101	100.0	155.7
1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	1,618	31.7	49.4
2	Assault (homicide) (*U01-*U02.9,X85-Y09,Y87.1)	516	10.1	15.7
3	Diseases of heart (I00-I09,I11,I13,I20-I51)	425	8.3	13.0
4	Malignant neoplasms (C00-C97)	323	6.3	9.9
5	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	214	4.2	6.5
6	COVID-19 (U07.1)	187	3.7	5.7
7	Pregnancy, childbirth and the puerperium (O00-O99)	183	3.6	5.6
8	Diabetes mellitus (E10-E149)	157	3.1	4.8
9	Cerebrovascular diseases (I60-I69)	82	1.6	2.5
10	Chronic lower respiratory diseases (J40-J47)	77	1.5	2.3
...	All other causes (residual)	1,319	25.9	40.3

See footnotes at end of table.

Table 1. Number of deaths, percentage of total deaths, and death rate for the 10 leading causes of death in selected age groups, by race and Hispanic origin and sex: United States, 2022—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. People of Hispanic origin may be of any race. Data for Hispanic people are not tabulated by race; data for non-Hispanic people are tabulated by race. Data for racial and ethnic groups other than Black non-Hispanic and White non-Hispanic should be interpreted with caution because of misreporting of Hispanic origin and race on the death certificate. An asterisk (*) preceding a cause-of-death code indicates that the code is not included in the *International Classification of Diseases, 10th Revision (ICD-10)*]

Rank ¹	Cause of death (based on ICD-10), race and Hispanic origin, sex, and age group (years)	Number ^{2,3}	Percent of total deaths ²⁻⁴	Death rate ^{2,3}
Black, non-Hispanic, female, 35-44				
...	All causes	8,394	100.0	288.6
1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	1,669	19.9	57.4
2	Diseases of heart (I00-I09,I11,I13,I20-I51)	1,320	15.7	45.4
3	Malignant neoplasms (C00-C97)	1,193	14.2	41.0
4	COVID-19 (U07.1)	394	4.7	13.5
5	Diabetes mellitus (E10-E149)	330	3.9	11.3
6	Assault (homicide) (*U01-*U02.9,X85-Y09,Y87.1)	306	3.6	10.5
7	Cerebrovascular diseases (I60-I69)	277	3.3	9.5
8	Chronic liver disease and cirrhosis (K70,K73-K74)	213	2.5	7.3
9	Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	156	1.9	5.4
10	Septicemia (A40-A41)	140	1.7	4.8
10	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	140	1.7	4.8
...	All other causes (residual)	2,256	26.9	77.6
Black, non-Hispanic, female, 45-54				
...	All causes	13,878	100.0	523.4
1	Malignant neoplasms (C00-C97)	2,832	20.4	106.8
2	Diseases of heart (I00-I09,I11,I13,I20-I51)	2,766	19.9	104.3
3	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	1,394	10.0	52.6
4	COVID-19 (U07.1)	816	5.9	30.8
5	Diabetes mellitus (E10-E149)	672	4.8	25.3
6	Cerebrovascular diseases (I60-I69)	649	4.7	24.5
7	Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	349	2.5	13.2
8	Chronic liver disease and cirrhosis (K70,K73-K74)	298	2.1	11.2
9	Septicemia (A40-A41)	283	2.0	10.7
10	Chronic lower respiratory diseases (J40-J47)	264	1.9	10.0
...	All other causes (residual)	3,555	25.6	134.1
Black, non-Hispanic, female, 55-64				
...	All causes	30,030	100.0	1,122.4
1	Malignant neoplasms (C00-C97)	7,797	26.0	291.4
2	Diseases of heart (I00-I09,I11,I13,I20-I51)	6,266	20.9	234.2
3	COVID-19 (U07.1)	1,855	6.2	69.3
4	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	1,801	6.0	67.3
5	Diabetes mellitus (E10-E149)	1,538	5.1	57.5
6	Cerebrovascular diseases (I60-I69)	1,448	4.8	54.1
7	Chronic lower respiratory diseases (J40-J47)	955	3.2	35.7
8	Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	798	2.7	29.8
9	Septicemia (A40-A41)	627	2.1	23.4
10	Essential hypertension and hypertensive renal disease (I10,I12,I15)	542	1.8	20.3
...	All other causes (residual)	6,403	21.3	239.3
Black, non-Hispanic, female, 65 and older				
...	All causes	129,127	100.0	3,996.5
1	Diseases of heart (I00-I09,I11,I13,I20-I51)	29,599	22.9	916.1
2	Malignant neoplasms (C00-C97)	22,929	17.8	709.7
3	Cerebrovascular diseases (I60-I69)	9,861	7.6	305.2
4	COVID-19 (U07.1)	7,790	6.0	241.1
5	Alzheimer disease (G30)	6,446	5.0	199.5
6	Diabetes mellitus (E10-E149)	5,815	4.5	180.0
7	Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	4,202	3.3	130.1
8	Chronic lower respiratory diseases (J40-J47)	4,069	3.2	125.9
9	Essential hypertension and hypertensive renal disease (I10,I12,I15)	3,009	2.3	93.1
10	Septicemia (A40-A41)	2,580	2.0	79.9
...	All other causes (residual)	32,827	25.4	1,016.0

See footnotes at end of table.

Table 1. Number of deaths, percentage of total deaths, and death rate for the 10 leading causes of death in selected age groups, by race and Hispanic origin and sex: United States, 2022—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. People of Hispanic origin may be of any race. Data for Hispanic people are not tabulated by race; data for non-Hispanic people are tabulated by race. Data for racial and ethnic groups other than Black non-Hispanic and White non-Hispanic should be interpreted with caution because of misreporting of Hispanic origin and race on the death certificate. An asterisk (*) preceding a cause-of-death code indicates that the code is not included in the *International Classification of Diseases, 10th Revision (ICD-10)*]

Rank ¹	Cause of death (based on ICD-10), race and Hispanic origin, sex, and age group (years)	Number ^{2,3}	Percent of total deaths ²⁻⁴	Death rate ^{2,3}
Black, non-Hispanic, female, 65-74				
...	All causes	42,795	100.0	2,174.3
1	Malignant neoplasms (C00-C97)	10,862	25.4	551.9
2	Diseases of heart (I00-I09,I11,I13,I20-I51)	9,166	21.4	465.7
3	COVID-19 (U07.1)	2,723	6.4	138.3
4	Cerebrovascular diseases (I60-I69)	2,633	6.2	133.8
5	Diabetes mellitus (E10-E149)	2,236	5.2	113.6
6	Chronic lower respiratory diseases (J40-J47)	1,560	3.6	79.3
7	Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	1,420	3.3	72.1
8	Septicemia (A40-A41)	1,025	2.4	52.1
9	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	1,006	2.4	51.1
10	Essential hypertension and hypertensive renal disease (I10,I12,I15)	852	2.0	43.3
...	All other causes (residual)	9,312	21.8	473.1
Black, non-Hispanic, female, 75-84				
...	All causes	41,676	100.0	4,610.2
1	Diseases of heart (I00-I09,I11,I13,I20-I51)	9,402	22.6	1,040.1
2	Malignant neoplasms (C00-C97)	7,620	18.3	842.9
3	Cerebrovascular diseases (I60-I69)	3,175	7.6	351.2
4	COVID-19 (U07.1)	2,521	6.0	278.9
5	Diabetes mellitus (E10-E149)	2,059	4.9	227.8
6	Alzheimer disease (G30)	1,927	4.6	213.2
7	Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	1,495	3.6	165.4
8	Chronic lower respiratory diseases (J40-J47)	1,399	3.4	154.8
9	Essential hypertension and hypertensive renal disease (I10,I12,I15)	915	2.2	101.2
10	Septicemia (A40-A41)	901	2.2	99.7
...	All other causes (residual)	10,262	24.6	1,135.2
Black, non-Hispanic, female, 85 and older				
...	All causes	44,656	100.0	12,446.1
1	Diseases of heart (I00-I09,I11,I13,I20-I51)	11,031	24.7	3,074.5
2	Malignant neoplasms (C00-C97)	4,447	10.0	1,239.4
3	Cerebrovascular diseases (I60-I69)	4,053	9.1	1,129.6
4	Alzheimer disease (G30)	3,904	8.7	1,088.1
5	COVID-19 (U07.1)	2,546	5.7	709.6
6	Diabetes mellitus (E10-E149)	1,520	3.4	423.6
7	Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	1,287	2.9	358.7
8	Essential hypertension and hypertensive renal disease (I10,I12,I15)	1,242	2.8	346.2
9	Chronic lower respiratory diseases (J40-J47)	1,110	2.5	309.4
10	Septicemia (A40-A41)	654	1.5	182.3
...	All other causes (residual)	12,862	28.8	3,584.8
Native Hawaiian and Other Pacific Islander, non-Hispanic, both sexes, all ages ⁵				
...	All causes	4,592	100.0	722.1
1	Diseases of heart (I00-I09,I11,I13,I20-I51)	1,004	21.9	157.9
2	Malignant neoplasms (C00-C97)	849	18.5	133.5
3	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	314	6.8	49.4
4	Diabetes mellitus (E10-E149)	303	6.6	47.6
5	Cerebrovascular diseases (I60-I69)	298	6.5	46.9
6	COVID-19 (U07.1)	285	6.2	44.8
7	Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	121	2.6	19.0
8	Chronic lower respiratory diseases (J40-J47)	109	2.4	17.1
9	Alzheimer disease (G30)	98	2.1	15.4
10	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	95	2.1	14.9
...	All other causes (residual)	1,116	24.3	175.5

Table 1. Number of deaths, percentage of total deaths, and death rate for the 10 leading causes of death in selected age groups, by race and Hispanic origin and sex: United States, 2022—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. People of Hispanic origin may be of any race. Data for Hispanic people are not tabulated by race; data for non-Hispanic people are tabulated by race. Data for racial and ethnic groups other than Black non-Hispanic and White non-Hispanic should be interpreted with caution because of misreporting of Hispanic origin and race on the death certificate. An asterisk (*) preceding a cause-of-death code indicates that the code is not included in the *International Classification of Diseases, 10th Revision (ICD-10)*]

Rank ¹	Cause of death (based on ICD-10), race and Hispanic origin, sex, and age group (years)	Number ^{2,3}	Percent of total deaths ²⁻⁴	Death rate ^{2,3}
Native Hawaiian and Other Pacific Islander, non-Hispanic, both sexes, 1-4				
...	All causes	26	100.0	76.7
1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	9	34.6	*
2	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	4	15.4	*
3	COVID-19 (U07.1)	3	11.5	*
4	Malignant neoplasms (C00-C97)	1	3.8	*
4	Diseases of heart (I00-I09,I11,I13,I20-I51)	1	3.8	*
4	Cerebrovascular diseases (I60-I69)	1	3.8	*
4	Influenza and pneumonia (J09-J18)	1	3.8	*
4	Assault (homicide) (*U01-*U02.9,X85-Y09,Y87.1)	1	3.8	*
...	All other causes (residual)	5	19.2	*
Native Hawaiian and Other Pacific Islander, non-Hispanic, both sexes, 5-9				
...	All causes	8	100.0	*
1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	4	50.0	*
2	Malignant neoplasms (C00-C97)	3	37.5	*
3	Diseases of heart (I00-I09,I11,I13,I20-I51)	1	12.5	*
...	All other causes (residual)	-	-	*
Native Hawaiian and Other Pacific Islander, non-Hispanic, both sexes, 10-14				
...	All causes	18	100.0	*
1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	3	16.7	*
1	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	3	16.7	*
3	Assault (homicide) (*U01-*U02.9,X85-Y09,Y87.1)	2	11.1	*
3	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	2	11.1	*
5	Malignant neoplasms (C00-C97)	1	5.6	*
5	Complications of medical and surgical care (Y40-Y84,Y88)	1	5.6	*
5	Diseases of heart (I00-I09,I11,I13,I20-I51)	1	5.6	*
5	Certain conditions originating in the perinatal period (P00-P96)	1	5.6	*
...	All other causes (residual)	4	22.2	*
Native Hawaiian and Other Pacific Islander, non-Hispanic, both sexes, 15-19				
...	All causes	26	100.0	58.8
1	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	7	26.9	*
2	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	6	23.1	*
3	Assault (homicide) (*U01-*U02.9,X85-Y09,Y87.1)	4	15.4	*
4	Malignant neoplasms (C00-C97)	2	7.7	*
4	Diseases of heart (I00-I09,I11,I13,I20-I51)	2	7.7	*
6	Influenza and pneumonia (J09-J18)	1	3.8	*
...	All other causes (residual)	4	15.4	*
Native Hawaiian and Other Pacific Islander, non-Hispanic, both sexes, 20-24				
...	All causes	66	100.0	146.7
1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	21	31.8	46.7
2	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	18	27.3	*
3	Assault (homicide) (*U01-*U02.9,X85-Y09,Y87.1)	7	10.6	*
4	Diseases of heart (I00-I09,I11,I13,I20-I51)	6	9.1	*
5	Malignant neoplasms (C00-C97)	3	4.5	*
6	Anemias (D50-D64)	1	1.5	*
6	Legal intervention (Y35,Y89.0)	1	1.5	*
6	COVID-19 (U07.1)	1	1.5	*
...	All other causes (residual)	8	12.1	*

Table 1. Number of deaths, percentage of total deaths, and death rate for the 10 leading causes of death in selected age groups, by race and Hispanic origin and sex: United States, 2022—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. People of Hispanic origin may be of any race. Data for Hispanic people are not tabulated by race; data for non-Hispanic people are tabulated by race. Data for racial and ethnic groups other than Black non-Hispanic and White non-Hispanic should be interpreted with caution because of misreporting of Hispanic origin and race on the death certificate. An asterisk (*) preceding a cause-of-death code indicates that the code is not included in the *International Classification of Diseases, 10th Revision (ICD-10)*]

Rank ¹	Cause of death (based on ICD-10), race and Hispanic origin, sex, and age group (years)	Number ^{2,3}	Percent of total deaths ²⁻⁴	Death rate ^{2,3}
Native Hawaiian and Other Pacific Islander, non-Hispanic, both sexes, 25-34				
...	All causes	207	100.0	207.0
1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	60	29.0	60.0
2	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	32	15.5	32.0
3	Diseases of heart (I00-I09,I11,I13,I20-I51)	23	11.1	23.0
4	Malignant neoplasms (C00-C97)	20	9.7	20.0
5	Assault (homicide) (*U01-U02.9,X85-Y09,Y87.1)	14	6.8	*
6	COVID-19 (U07.1)	6	2.9	*
7	Diabetes mellitus (E10-E149)	4	1.9	*
7	Cerebrovascular diseases (I60-I69)	4	1.9	*
7	Pregnancy, childbirth and the puerperium (O00-O99)	4	1.9	*
10	Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	3	1.4	*
...	All other causes (residual)	37	17.9	37.0
Native Hawaiian and Other Pacific Islander, non-Hispanic, both sexes, 35-44				
...	All causes	347	100.0	349.9
1	Diseases of heart (I00-I09,I11,I13,I20-I51)	66	19.0	66.5
2	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	56	16.1	56.5
3	Malignant neoplasms (C00-C97)	52	15.0	52.4
4	Diabetes mellitus (E10-E149)	22	6.3	22.2
5	COVID-19 (U07.1)	20	5.8	20.2
6	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	19	5.5	*
7	Cerebrovascular diseases (I60-I69)	17	4.9	*
8	Assault (homicide) (*U01-U02.9,X85-Y09,Y87.1)	11	3.2	*
9	Septicemia (A40-A41)	6	1.7	*
10	Influenza and pneumonia (J09-J18)	5	1.4	*
10	Chronic liver disease and cirrhosis (K70,K73-K74)	5	1.4	*
10	Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	5	1.4	*
...	All other causes (residual)	63	18.2	63.5
Native Hawaiian and Other Pacific Islander, non-Hispanic, both sexes, 45-54				
...	All causes	559	100.0	731.0
1	Diseases of heart (I00-I09,I11,I13,I20-I51)	124	22.2	162.2
2	Malignant neoplasms (C00-C97)	119	21.3	155.6
3	COVID-19 (U07.1)	45	8.1	58.8
4	Diabetes mellitus (E10-E149)	43	7.7	56.2
5	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	36	6.4	47.1
6	Cerebrovascular diseases (I60-I69)	32	5.7	41.8
7	Chronic liver disease and cirrhosis (K70,K73-K74)	18	3.2	*
8	Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	14	2.5	*
9	Septicemia (A40-A41)	12	2.1	*
10	Essential hypertension and hypertensive renal disease (I10,I12,I15)	8	1.4	*
...	All other causes (residual)	108	19.3	141.2
Native Hawaiian and Other Pacific Islander, non-Hispanic, both sexes, 55-64				
...	All causes	889	100.0	1,310.0
1	Diseases of heart (I00-I09,I11,I13,I20-I51)	206	23.2	303.6
2	Malignant neoplasms (C00-C97)	199	22.4	293.2
3	Diabetes mellitus (E10-E149)	77	8.7	113.5
4	COVID-19 (U07.1)	58	6.5	85.5
5	Cerebrovascular diseases (I60-I69)	55	6.2	81.0
6	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	49	5.5	72.2
7	Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	33	3.7	48.6
8	Chronic lower respiratory diseases (J40-J47)	19	2.1	*
9	Septicemia (A40-A41)	17	1.9	*
10	Influenza and pneumonia (J09-J18)	16	1.8	*
...	All other causes (residual)	160	18.0	235.8

See footnotes at end of table.

Table 1. Number of deaths, percentage of total deaths, and death rate for the 10 leading causes of death in selected age groups, by race and Hispanic origin and sex: United States, 2022—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. People of Hispanic origin may be of any race. Data for Hispanic people are not tabulated by race; data for non-Hispanic people are tabulated by race. Data for racial and ethnic groups other than Black non-Hispanic and White non-Hispanic should be interpreted with caution because of misreporting of Hispanic origin and race on the death certificate. An asterisk (*) preceding a cause-of-death code indicates that the code is not included in the *International Classification of Diseases, 10th Revision (ICD-10)*]

Rank ¹	Cause of death (based on ICD-10), race and Hispanic origin, sex, and age group (years)	Number ^{2,3}	Percent of total deaths ²⁻⁴	Death rate ^{2,3}
Native Hawaiian and Other Pacific Islander, non-Hispanic, both sexes, 65 and older				
...	All causes	2,357	100.0	3,259.2
1	Diseases of heart (I00-I09,I11,I13,I20-I51)	572	24.3	790.9
2	Malignant neoplasms (C00-C97)	448	19.0	619.5
3	Cerebrovascular diseases (I60-I69)	189	8.0	261.3
4	Diabetes mellitus (E10-E149)	157	6.7	217.1
5	COVID-19 (U07.1)	152	6.4	210.2
6	Alzheimer disease (G30)	96	4.1	132.7
7	Chronic lower respiratory diseases (J40-J47)	83	3.5	114.8
8	Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	66	2.8	91.3
9	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	64	2.7	88.5
10	Essential hypertension and hypertensive renal disease (I10,I12,I15)	41	1.7	56.7
...	All other causes (residual)	489	20.7	676.2
Native Hawaiian and Other Pacific Islander, non-Hispanic, both sexes, 65-74				
...	All causes	1,057	100.0	2,322.6
1	Diseases of heart (I00-I09,I11,I13,I20-I51)	250	23.7	549.3
2	Malignant neoplasms (C00-C97)	242	22.9	531.8
3	Diabetes mellitus (E10-E149)	88	8.3	193.4
4	Cerebrovascular diseases (I60-I69)	75	7.1	164.8
5	COVID-19 (U07.1)	68	6.4	149.4
6	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	35	3.3	76.9
6	Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	35	3.3	76.9
8	Chronic lower respiratory diseases (J40-J47)	31	2.9	68.1
9	Septicemia (A40-A41)	21	2.0	46.1
10	Essential hypertension and hypertensive renal disease (I10,I12,I15)	18	1.7	*
...	All other causes (residual)	194	18.4	426.3
Native Hawaiian and Other Pacific Islander, non-Hispanic, both sexes, 75-84				
...	All causes	841	100.0	4,213.6
1	Diseases of heart (I00-I09,I11,I13,I20-I51)	199	23.7	997.0
2	Malignant neoplasms (C00-C97)	159	18.9	796.6
3	Cerebrovascular diseases (I60-I69)	78	9.3	390.8
4	COVID-19 (U07.1)	54	6.4	270.6
5	Diabetes mellitus (E10-E149)	48	5.7	240.5
6	Alzheimer disease (G30)	37	4.4	185.4
7	Chronic lower respiratory diseases (J40-J47)	35	4.2	175.4
8	Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	19	2.3	*
9	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	18	2.1	*
10	Essential hypertension and hypertensive renal disease (I10,I12,I15)	13	1.5	*
...	All other causes (residual)	181	21.5	906.9
Native Hawaiian and Other Pacific Islander, non-Hispanic, both sexes, 85 and older				
...	All causes	459	100.0	6,699.8
1	Diseases of heart (I00-I09,I11,I13,I20-I51)	123	26.8	1,795.4
2	Malignant neoplasms (C00-C97)	47	10.2	686.0
2	Alzheimer disease (G30)	47	10.2	686.0
4	Cerebrovascular diseases (I60-I69)	36	7.8	525.5
5	COVID-19 (U07.1)	30	6.5	437.9
6	Diabetes mellitus (E10-E149)	21	4.6	306.5
7	Chronic lower respiratory diseases (J40-J47)	17	3.7	*
8	Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	12	2.6	*
9	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	11	2.4	*
10	Essential hypertension and hypertensive renal disease (I10,I12,I15)	10	2.2	*
...	All other causes (residual)	105	22.9	1,532.6

Table 1. Number of deaths, percentage of total deaths, and death rate for the 10 leading causes of death in selected age groups, by race and Hispanic origin and sex: United States, 2022—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. People of Hispanic origin may be of any race. Data for Hispanic people are not tabulated by race; data for non-Hispanic people are tabulated by race. Data for racial and ethnic groups other than Black non-Hispanic and White non-Hispanic should be interpreted with caution because of misreporting of Hispanic origin and race on the death certificate. An asterisk (*) preceding a cause-of-death code indicates that the code is not included in the *International Classification of Diseases, 10th Revision (ICD-10)*]

Rank ¹	Cause of death (based on ICD-10), race and Hispanic origin, sex, and age group (years)	Number ^{2,3}	Percent of total deaths ²⁻⁴	Death rate ^{2,3}
Native Hawaiian and Other Pacific Islander, non-Hispanic, male, all ages ⁵				
...	All causes.	2,461	100.0	765.3
1	Diseases of heart (I00-I09,I11,I13,I20-I51)	575	23.4	178.8
2	Malignant neoplasms (C00-C97)	400	16.3	124.4
3	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	227	9.2	70.6
4	Diabetes mellitus (E10-E149)	160	6.5	49.8
5	COVID-19 (U07.1)	157	6.4	48.8
6	Cerebrovascular diseases (I60-I69)	137	5.6	42.6
7	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	75	3.0	23.3
8	Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	60	2.4	18.7
9	Chronic lower respiratory diseases (J40-J47)	58	2.4	18.0
10	Assault (homicide) (*U01-*U02.9,X85-Y09,Y87.1)	44	1.8	13.7
...	All other causes (residual)	568	23.1	176.6
Native Hawaiian and Other Pacific Islander, non-Hispanic, male, 1-4				
...	All causes.	18	100.0	*
1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	8	44.4	*
2	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	2	11.1	*
2	COVID-19 (U07.1)	2	11.1	*
4	Malignant neoplasms (C00-C97)	1	5.6	*
4	Diseases of heart (I00-I09,I11,I13,I20-I51)	1	5.6	*
4	Cerebrovascular diseases (I60-I69)	1	5.6	*
...	All other causes (residual)	3	16.7	*
Native Hawaiian and Other Pacific Islander, non-Hispanic, male, 5-9				
...	All causes.	2	100.0	*
1	Malignant neoplasms (C00-C97)	1	50.0	*
1	Diseases of heart (I00-I09,I11,I13,I20-I51)	1	50.0	*
...	All other causes (residual)	-	-	*
Native Hawaiian and Other Pacific Islander, non-Hispanic, male, 10-14				
...	All causes.	12	100.0	*
1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	2	16.7	*
1	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	2	16.7	*
1	Assault (homicide) (*U01-*U02.9,X85-Y09,Y87.1)	2	16.7	*
4	Malignant neoplasms (C00-C97)	1	8.3	*
4	Diseases of heart (I00-I09,I11,I13,I20-I51)	1	8.3	*
4	Certain conditions originating in the perinatal period (P00-P96)	1	8.3	*
4	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	1	8.3	*
...	All other causes (residual)	2	16.7	*
Native Hawaiian and Other Pacific Islander, non-Hispanic, male, 15-19				
...	All causes.	22	100.0	97.8
1	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	7	31.8	*
2	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	5	22.7	*
3	Assault (homicide) (*U01-*U02.9,X85-Y09,Y87.1)	4	18.2	*
4	Diseases of heart (I00-I09,I11,I13,I20-I51)	2	9.1	*
5	Malignant neoplasms (C00-C97)	1	4.5	*
...	All other causes (residual)	3	13.6	*

Table 1. Number of deaths, percentage of total deaths, and death rate for the 10 leading causes of death in selected age groups, by race and Hispanic origin and sex: United States, 2022—Con.

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Rank ¹	Cause of death (based on ICD-10), race and Hispanic origin, sex, and age group (years)	Number ^{2,3}	Percent of total deaths ²⁻⁴	Death rate ^{2,3}
Native Hawaiian and Other Pacific Islander, non-Hispanic, male, 20-24				
...	All causes	49	100.0	211.3
1	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	15	30.6	*
2	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	14	28.6	*
3	Assault (homicide) (*U01-*U02.9,X85-Y09,Y87.1)	6	12.2	*
4	Diseases of heart (I00-I09,I11,I13,I20-I51)	5	10.2	*
5	Malignant neoplasms (C00-C97)	2	4.1	*
6	COVID-19 (U07.1)	1	2.0	*
6	Legal intervention (Y35,Y89.0)	1	2.0	*
...	All other causes (residual)	5	10.2	*
Native Hawaiian and Other Pacific Islander, non-Hispanic, male, 25-34				
...	All causes	141	100.0	274.5
1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	53	37.6	103.2
2	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	25	17.7	48.7
3	Diseases of heart (I00-I09,I11,I13,I20-I51)	16	11.3	*
4	Assault (homicide) (*U01-*U02.9,X85-Y09,Y87.1)	13	9.2	*
5	Malignant neoplasms (C00-C97)	10	7.1	*
6	Diabetes mellitus (E10-E149)	3	2.1	*
7	Cerebrovascular diseases (I60-I69)	2	1.4	*
7	COVID-19 (U07.1)	2	1.4	*
9	Viral hepatitis (B15-B19)	1	0.7	*
9	Aortic aneurysm and dissection (I71)	1	0.7	*
9	Influenza and pneumonia (J09-J18)	1	0.7	*
...	All other causes (residual)	14	9.9	*
Native Hawaiian and Other Pacific Islander, non-Hispanic, male, 35-44				
...	All causes	219	100.0	428.7
1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	45	20.5	88.1
2	Diseases of heart (I00-I09,I11,I13,I20-I51)	44	20.1	86.1
3	Malignant neoplasms (C00-C97)	22	10.0	43.1
4	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	16	7.3	*
5	Diabetes mellitus (E10-E149)	12	5.5	*
6	Assault (homicide) (*U01-*U02.9,X85-Y09,Y87.1)	11	5.0	*
6	COVID-19 (U07.1)	11	5.0	*
8	Cerebrovascular diseases (I60-I69)	10	4.6	*
9	Chronic liver disease and cirrhosis (K70,K73-K74)	5	2.3	*
10	Septicemia (A40-A41)	3	1.4	*
10	Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	3	1.4	*
10	Viral hepatitis (B15-B19)	3	1.4	*
...	All other causes (residual)	34	15.5	66.6
Native Hawaiian and Other Pacific Islander, non-Hispanic, male, 45-54				
...	All causes	315	100.0	809.4
1	Diseases of heart (I00-I09,I11,I13,I20-I51)	79	25.1	203.0
2	Malignant neoplasms (C00-C97)	55	17.5	141.3
3	Diabetes mellitus (E10-E149)	25	7.9	64.2
3	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	25	7.9	64.2
5	COVID-19 (U07.1)	21	6.7	54.0
6	Cerebrovascular diseases (I60-I69)	18	5.7	*
7	Chronic liver disease and cirrhosis (K70,K73-K74)	15	4.8	*
8	Septicemia (A40-A41)	6	1.9	*
8	Essential hypertension and hypertensive renal disease (I10,I12,I15)	6	1.9	*
10	Aortic aneurysm and dissection (I71)	5	1.6	*
...	All other causes (residual)	60	19.0	154.2

Table 1. Number of deaths, percentage of total deaths, and death rate for the 10 leading causes of death in selected age groups, by race and Hispanic origin and sex: United States, 2022—Con.

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Rank ¹	Cause of death (based on ICD-10), race and Hispanic origin, sex, and age group (years)	Number ^{2,3}	Percent of total deaths ²⁻⁴	Death rate ^{2,3}
Native Hawaiian and Other Pacific Islander, non-Hispanic, male, 55–64				
...	All causes	501	100.0	1,490.9
1	Diseases of heart (I00–I09,I11,I13,I20–I51)	138	27.5	410.7
2	Malignant neoplasms (C00–C97)	96	19.2	285.7
3	Diabetes mellitus (E10–E149)	44	8.8	130.9
4	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	33	6.6	98.2
5	Cerebrovascular diseases (I60–I69)	30	6.0	89.3
6	COVID-19 (U07.1)	29	5.8	86.3
7	Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27)	18	3.6	*
8	Chronic lower respiratory diseases (J40–J47)	13	2.6	*
9	Septicemia (A40–A41)	10	2.0	*
10	Essential hypertension and hypertensive renal disease (I10,I12,I15)	9	1.8	*
...	All other causes (residual)	81	16.2	241.0
Native Hawaiian and Other Pacific Islander, non-Hispanic, male, 65 and older				
...	All causes	1,133	100.0	3,350.9
1	Diseases of heart (I00–I09,I11,I13,I20–I51)	286	25.2	845.9
2	Malignant neoplasms (C00–C97)	211	18.6	624.0
3	COVID-19 (U07.1)	91	8.0	269.1
4	Diabetes mellitus (E10–E149)	76	6.7	224.8
4	Cerebrovascular diseases (I60–I69)	76	6.7	224.8
6	Chronic lower respiratory diseases (J40–J47)	43	3.8	127.2
7	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	39	3.4	115.3
8	Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27)	36	3.2	106.5
9	Alzheimer disease (G30)	26	2.3	76.9
10	Essential hypertension and hypertensive renal disease (I10,I12,I15)	21	1.9	62.1
...	All other causes (residual)	228	20.1	674.3
Native Hawaiian and Other Pacific Islander, non-Hispanic, male, 65–74				
...	All causes	544	100.0	2,496.6
1	Diseases of heart (I00–I09,I11,I13,I20–I51)	138	25.4	633.3
2	Malignant neoplasms (C00–C97)	110	20.2	504.8
3	Diabetes mellitus (E10–E149)	46	8.5	211.1
4	COVID-19 (U07.1)	37	6.8	169.8
5	Cerebrovascular diseases (I60–I69)	35	6.4	160.6
6	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	21	3.9	96.4
7	Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27)	20	3.7	91.8
8	Chronic lower respiratory diseases (J40–J47)	17	3.1	*
9	Essential hypertension and hypertensive renal disease (I10,I12,I15)	10	1.8	*
10	Septicemia (A40–A41)	9	1.7	*
...	All other causes (residual)	101	18.6	463.5
Native Hawaiian and Other Pacific Islander, non-Hispanic, male, 75–84				
...	All causes	401	100.0	4,306.7
1	Diseases of heart (I00–I09,I11,I13,I20–I51)	109	27.2	1,170.7
2	Malignant neoplasms (C00–C97)	75	18.7	805.5
3	COVID-19 (U07.1)	35	8.7	375.9
4	Cerebrovascular diseases (I60–I69)	23	5.7	247.0
5	Diabetes mellitus (E10–E149)	22	5.5	236.3
6	Chronic lower respiratory diseases (J40–J47)	19	4.7	*
7	Alzheimer disease (G30)	13	3.2	*
8	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	12	3.0	*
9	Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27)	10	2.5	*
10	Essential hypertension and hypertensive renal disease (I10,I12,I15)	7	1.7	*
10	Influenza and pneumonia (J09–J18)	7	1.7	*
...	All other causes (residual)	69	17.2	741.1

See footnotes at end of table.

Table 1. Number of deaths, percentage of total deaths, and death rate for the 10 leading causes of death in selected age groups, by race and Hispanic origin and sex: United States, 2022—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. People of Hispanic origin may be of any race. Data for Hispanic people are not tabulated by race; data for non-Hispanic people are tabulated by race. Data for racial and ethnic groups other than Black non-Hispanic and White non-Hispanic should be interpreted with caution because of misreporting of Hispanic origin and race on the death certificate. An asterisk (*) preceding a cause-of-death code indicates that the code is not included in the *International Classification of Diseases, 10th Revision (ICD-10)*]

Rank ¹	Cause of death (based on ICD-10), race and Hispanic origin, sex, and age group (years)	Number ^{2,3}	Percent of total deaths ²⁻⁴	Death rate ^{2,3}
Native Hawaiian and Other Pacific Islander, non-Hispanic, male, 85 and older				
...	All causes	188	100.0	6,934.7
1	Diseases of heart (I00-I09,I11,I13,I20-I51)	39	20.7	1,438.6
2	Malignant neoplasms (C00-C97)	26	13.8	959.1
3	COVID-19 (U07.1)	19	10.1	*
4	Cerebrovascular diseases (I60-I69)	18	9.6	*
5	Diabetes mellitus (E10-E149)	8	4.3	*
6	Chronic lower respiratory diseases (J40-J47)	7	3.7	*
7	Alzheimer disease (G30)	6	3.2	*
7	Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	6	3.2	*
7	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	6	3.2	*
10	Pneumonitis due to solids and liquids (J69)	5	2.7	*
...	All other causes (residual)	48	25.5	1,770.6
Native Hawaiian and Other Pacific Islander, non-Hispanic, female, all ages ⁵				
...	All causes	2,131	100.0	677.9
1	Malignant neoplasms (C00-C97)	449	21.1	142.8
2	Diseases of heart (I00-I09,I11,I13,I20-I51)	429	20.1	136.5
3	Cerebrovascular diseases (I60-I69)	161	7.6	51.2
4	Diabetes mellitus (E10-E149)	143	6.7	45.5
5	COVID-19 (U07.1)	128	6.0	40.7
6	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	87	4.1	27.7
7	Alzheimer disease (G30)	70	3.3	22.3
8	Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	61	2.9	19.4
9	Chronic lower respiratory diseases (J40-J47)	51	2.4	16.2
10	Influenza and pneumonia (J09-J18)	37	1.7	11.8
...	All other causes (residual)	515	24.2	163.8
Native Hawaiian and Other Pacific Islander, non-Hispanic, female, 1-4				
...	All causes	8	100.0	*
1	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	2	25.0	*
2	Influenza and pneumonia (J09-J18)	1	12.5	*
2	COVID-19 (U07.1)	1	12.5	*
2	Assault (homicide) (*U01-*U02.9,X85-Y09,Y87.1)	1	12.5	*
2	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	1	12.5	*
...	All other causes (residual)	2	25.0	*
Native Hawaiian and Other Pacific Islander, non-Hispanic, female, 5-9				
...	All causes	6	100.0	*
1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	4	66.7	*
2	Malignant neoplasms (C00-C97)	2	33.3	*
...	All other causes (residual)	-	-	*
Native Hawaiian and Other Pacific Islander, non-Hispanic, female, 10-14				
...	All causes	6	100.0	*
1	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	2	33.3	*
2	Complications of medical and surgical care (Y40-Y84,Y88)	1	16.7	*
2	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	1	16.7	*
...	All other causes (residual)	2	33.3	*
Native Hawaiian and Other Pacific Islander, non-Hispanic, female, 15-19				
...	All causes	4	100.0	*
1	Malignant neoplasms (C00-C97)	1	25.0	*
1	Influenza and pneumonia (J09-J18)	1	25.0	*
1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	1	25.0	*
...	All other causes (residual)	1	25.0	*

Table 1. Number of deaths, percentage of total deaths, and death rate for the 10 leading causes of death in selected age groups, by race and Hispanic origin and sex: United States, 2022—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. People of Hispanic origin may be of any race. Data for Hispanic people are not tabulated by race; data for non-Hispanic people are tabulated by race. Data for racial and ethnic groups other than Black non-Hispanic and White non-Hispanic should be interpreted with caution because of misreporting of Hispanic origin and race on the death certificate. An asterisk (*) preceding a cause-of-death code indicates that the code is not included in the *International Classification of Diseases, 10th Revision (ICD-10)*]

Rank ¹	Cause of death (based on ICD-10), race and Hispanic origin, sex, and age group (years)	Number ^{2,3}	Percent of total deaths ²⁻⁴	Death rate ^{2,3}
Native Hawaiian and Other Pacific Islander, non-Hispanic, female, 20-24				
...	All causes.	17	100.0	*
1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	7	41.2	*
2	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	3	17.6	*
3	Malignant neoplasms (C00-C97)	1	5.9	*
3	Anemias (D50-D64)	1	5.9	*
3	Diseases of heart (I00-I09,I11,I13,I20-I51)	1	5.9	*
3	Assault (homicide) (*U01-*U02.9,X85-Y09,Y87.1)	1	5.9	*
...	All other causes (residual)	3	17.6	*
Native Hawaiian and Other Pacific Islander, non-Hispanic, female, 25-34				
...	All causes.	66	100.0	135.7
1	Malignant neoplasms (C00-C97)	10	15.2	*
2	Diseases of heart (I00-I09,I11,I13,I20-I51)	7	10.6	*
2	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	7	10.6	*
2	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	7	10.6	*
5	Pregnancy, childbirth and the puerperium (O00-O99)	4	6.1	*
5	COVID-19 (U07.1)	4	6.1	*
7	Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	3	4.5	*
8	Septicemia (A40-A41)	2	3.0	*
8	Cerebrovascular diseases (I60-I69)	2	3.0	*
8	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	2	3.0	*
...	All other causes (residual)	18	27.3	*
Native Hawaiian and Other Pacific Islander, non-Hispanic, female, 35-44				
...	All causes.	128	100.0	266.1
1	Malignant neoplasms (C00-C97)	30	23.4	62.4
2	Diseases of heart (I00-I09,I11,I13,I20-I51)	22	17.2	45.7
3	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	11	8.6	*
4	Diabetes mellitus (E10-E149)	10	7.8	*
5	COVID-19 (U07.1)	9	7.0	*
6	Cerebrovascular diseases (I60-I69)	7	5.5	*
7	Septicemia (A40-A41)	3	2.3	*
7	Influenza and pneumonia (J09-J18)	3	2.3	*
7	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	3	2.3	*
10	In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior (D00-D48)	2	1.6	*
10	Essential hypertension and hypertensive renal disease (I10,I12,I15)	2	1.6	*
10	Chronic lower respiratory diseases (J40-J47)	2	1.6	*
10	Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	2	1.6	*
...	All other causes (residual)	22	17.2	45.7
Native Hawaiian and Other Pacific Islander, non-Hispanic, female, 45-54				
...	All causes.	244	100.0	649.8
1	Malignant neoplasms (C00-C97)	64	26.2	170.4
2	Diseases of heart (I00-I09,I11,I13,I20-I51)	45	18.4	119.8
3	COVID-19 (U07.1)	24	9.8	63.9
4	Diabetes mellitus (E10-E149)	18	7.4	*
5	Cerebrovascular diseases (I60-I69)	14	5.7	*
6	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	11	4.5	*
6	Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	11	4.5	*
8	Septicemia (A40-A41)	6	2.5	*
9	Influenza and pneumonia (J09-J18)	5	2.0	*
10	Chronic liver disease and cirrhosis (K70,K73-K74)	3	1.2	*
10	Chronic lower respiratory diseases (J40-J47)	3	1.2	*
...	All other causes (residual)	40	16.4	106.5

See footnotes at end of table.

Table 1. Number of deaths, percentage of total deaths, and death rate for the 10 leading causes of death in selected age groups, by race and Hispanic origin and sex: United States, 2022—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. People of Hispanic origin may be of any race. Data for Hispanic people are not tabulated by race; data for non-Hispanic people are tabulated by race. Data for racial and ethnic groups other than Black non-Hispanic and White non-Hispanic should be interpreted with caution because of misreporting of Hispanic origin and race on the death certificate. An asterisk (*) preceding a cause-of-death code indicates that the code is not included in the *International Classification of Diseases, 10th Revision (ICD-10)*]

Rank ¹	Cause of death (based on ICD-10), race and Hispanic origin, sex, and age group (years)	Number ^{2,3}	Percent of total deaths ²⁻⁴	Death rate ^{2,3}
Native Hawaiian and Other Pacific Islander, non-Hispanic, female, 55-64				
...	All causes	388	100.0	1,132.5
1	Malignant neoplasms (C00-C97)	103	26.5	300.7
2	Diseases of heart (I00-I09,I11,I13,I20-I51)	68	17.5	198.5
3	Diabetes mellitus (E10-E149)	33	8.5	96.3
4	COVID-19 (U07.1)	29	7.5	84.6
5	Cerebrovascular diseases (I60-I69)	25	6.4	73.0
6	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	16	4.1	*
7	Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	15	3.9	*
8	Influenza and pneumonia (J09-J18)	11	2.8	*
9	Septicemia (A40-A41)	7	1.8	*
10	Essential hypertension and hypertensive renal disease (I10,I12,I15)	6	1.5	*
10	Chronic lower respiratory diseases (J40-J47)	6	1.5	*
...	All other causes (residual)	69	17.8	201.4
Native Hawaiian and Other Pacific Islander, non-Hispanic, female, 65 and older				
...	All causes	1,224	100.0	3,178.6
1	Diseases of heart (I00-I09,I11,I13,I20-I51)	286	23.4	742.7
2	Malignant neoplasms (C00-C97)	237	19.4	615.5
3	Cerebrovascular diseases (I60-I69)	113	9.2	293.5
4	Diabetes mellitus (E10-E149)	81	6.6	210.4
5	Alzheimer disease (G30)	70	5.7	181.8
6	COVID-19 (U07.1)	61	5.0	158.4
7	Chronic lower respiratory diseases (J40-J47)	40	3.3	103.9
8	Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	30	2.5	77.9
9	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	25	2.0	64.9
10	Essential hypertension and hypertensive renal disease (I10,I12,I15)	20	1.6	51.9
...	All other causes (residual)	261	21.3	677.8
Native Hawaiian and Other Pacific Islander, non-Hispanic, female, 65-74				
...	All causes	513	100.0	2,162.8
1	Malignant neoplasms (C00-C97)	132	25.7	556.5
2	Diseases of heart (I00-I09,I11,I13,I20-I51)	112	21.8	472.2
3	Diabetes mellitus (E10-E149)	42	8.2	177.1
4	Cerebrovascular diseases (I60-I69)	40	7.8	168.6
5	COVID-19 (U07.1)	31	6.0	130.7
6	Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	15	2.9	*
7	Chronic lower respiratory diseases (J40-J47)	14	2.7	*
7	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	14	2.7	*
9	Septicemia (A40-A41)	12	2.3	*
10	Essential hypertension and hypertensive renal disease (I10,I12,I15)	8	1.6	*
...	All other causes (residual)	93	18.1	392.1
Native Hawaiian and Other Pacific Islander, non-Hispanic, female, 75-84				
...	All causes	440	100.0	4,132.2
1	Diseases of heart (I00-I09,I11,I13,I20-I51)	90	20.5	845.2
2	Malignant neoplasms (C00-C97)	84	19.1	788.9
3	Cerebrovascular diseases (I60-I69)	55	12.5	516.5
4	Diabetes mellitus (E10-E149)	26	5.9	244.2
5	Alzheimer disease (G30)	24	5.5	225.4
6	COVID-19 (U07.1)	19	4.3	*
7	Chronic lower respiratory diseases (J40-J47)	16	3.6	*
8	Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	9	2.0	*
9	Essential hypertension and hypertensive renal disease (I10,I12,I15)	6	1.4	*
9	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	6	1.4	*
...	All other causes (residual)	105	23.9	986.1

Table 1. Number of deaths, percentage of total deaths, and death rate for the 10 leading causes of death in selected age groups, by race and Hispanic origin and sex: United States, 2022—Con.

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Rank ¹	Cause of death (based on ICD-10), race and Hispanic origin, sex, and age group (years)	Number ^{2,3}	Percent of total deaths ²⁻⁴	Death rate ^{2,3}
Native Hawaiian and Other Pacific Islander, non-Hispanic, female, 85 and older				
...	All causes	271	100.0	6,545.9
1	Diseases of heart (I00–I09,I11,I13,I20–I51)	84	31.0	2,029.0
2	Alzheimer disease (G30)	41	15.1	990.3
3	Malignant neoplasms (C00–C97)	21	7.7	507.2
4	Cerebrovascular diseases (I60–I69)	18	6.6	*
5	Diabetes mellitus (E10–E149)	13	4.8	*
6	COVID-19 (U07.1)	11	4.1	*
7	Chronic lower respiratory diseases (J40–J47)	10	3.7	*
8	Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27)	6	2.2	*
8	Essential hypertension and hypertensive renal disease (I10,I12,I15)	6	2.2	*
10	Influenza and pneumonia (J09–J18)	5	1.8	*
10	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	5	1.8	*
...	All other causes (residual)	51	18.8	1,231.9
White, non-Hispanic, both sexes, all ages ⁵				
...	All causes	2,448,093	100.0	1,247.6
1	Diseases of heart (I00–I09,I11,I13,I20–I51)	537,969	22.0	274.2
2	Malignant neoplasms (C00–C97)	462,834	18.9	235.9
3	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	152,647	6.2	77.8
4	COVID-19 (U07.1)	135,484	5.5	69.0
5	Chronic lower respiratory diseases (J40–J47)	127,003	5.2	64.7
6	Cerebrovascular diseases (I60–I69)	119,929	4.9	61.1
7	Alzheimer disease (G30)	96,899	4.0	49.4
8	Diabetes mellitus (E10–E149)	64,701	2.6	33.0
9	Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27)	38,813	1.6	19.8
10	Chronic liver disease and cirrhosis (K70,K73–K74)	38,779	1.6	19.8
...	All other causes (residual)	673,035	27.5	343.0
White, non-Hispanic, both sexes, 1–4				
...	All causes	1,795	100.0	25.4
1	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	602	33.5	8.5
2	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	184	10.3	2.6
3	Malignant neoplasms (C00–C97)	141	7.9	2.0
4	Assault (homicide) (*U01–*U02.9,X85–Y09,Y87.1)	107	6.0	1.5
5	Influenza and pneumonia (J09–J18)	56	3.1	0.8
6	COVID-19 (U07.1)	46	2.6	0.7
7	Diseases of heart (I00–I09,I11,I13,I20–I51)	40	2.2	0.6
8	Septicemia (A40–A41)	23	1.3	0.3
9	In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior (D00–D48)	20	1.1	0.3
9	Certain conditions originating in the perinatal period (P00–P96)	20	1.1	0.3
...	All other causes (residual)	556	31.0	7.9
White, non-Hispanic, both sexes, 5–9				
...	All causes	1,120	100.0	11.5
1	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	322	28.8	3.3
2	Malignant neoplasms (C00–C97)	192	17.1	2.0
3	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	117	10.4	1.2
4	Assault (homicide) (*U01–*U02.9,X85–Y09,Y87.1)	47	4.2	0.5
5	Influenza and pneumonia (J09–J18)	37	3.3	0.4
6	Diseases of heart (I00–I09,I11,I13,I20–I51)	27	2.4	0.3
7	COVID-19 (U07.1)	25	2.2	0.3
8	Cerebrovascular diseases (I60–I69)	22	2.0	0.2
9	Septicemia (A40–A41)	12	1.1	*
9	Chronic lower respiratory diseases (J40–J47)	12	1.1	*
...	All other causes (residual)	307	27.4	3.1

See footnotes at end of table.

Table 1. Number of deaths, percentage of total deaths, and death rate for the 10 leading causes of death in selected age groups, by race and Hispanic origin and sex: United States, 2022—Con.

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Rank ¹	Cause of death (based on ICD-10), race and Hispanic origin, sex, and age group (years)	Number ^{2,3}	Percent of total deaths ²⁻⁴	Death rate ^{2,3}
White, non-Hispanic, both sexes, 10-14				
...	All causes	1,690	100.0	16.4
1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	438	25.9	4.3
2	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	289	17.1	2.8
3	Malignant neoplasms (C00-C97)	224	13.3	2.2
4	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	102	6.0	1.0
5	Assault (homicide) (*U01-*U02.9,X85-Y09,Y87.1)	76	4.5	0.7
6	Diseases of heart (I00-I09,I11,I13,I20-I51)	63	3.7	0.6
7	Influenza and pneumonia (J09-J18)	33	2.0	0.3
8	COVID-19 (U07.1)	32	1.9	0.3
9	Cerebrovascular diseases (I60-I69)	27	1.6	0.3
10	In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior (D00-D48)	19	1.1	*
...	All other causes (residual)	387	22.9	3.8
White, non-Hispanic, both sexes, 15-19				
...	All causes	5,400	100.0	49.0
1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	2,459	45.5	22.3
2	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	1,228	22.7	11.1
3	Malignant neoplasms (C00-C97)	311	5.8	2.8
4	Assault (homicide) (*U01-*U02.9,X85-Y09,Y87.1)	290	5.4	2.6
5	Diseases of heart (I00-I09,I11,I13,I20-I51)	138	2.6	1.3
6	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	119	2.2	1.1
7	COVID-19 (U07.1)	78	1.4	0.7
8	Diabetes mellitus (E10-E149)	41	0.8	0.4
9	Influenza and pneumonia (J09-J18)	25	0.5	0.2
10	Chronic lower respiratory diseases (J40-J47)	25	0.5	0.2
...	All other causes (residual)	686	12.7	6.2
White, non-Hispanic, both sexes, 20-24				
...	All causes	10,005	100.0	84.1
1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	5,027	50.2	42.3
2	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	2,130	21.3	17.9
3	Assault (homicide) (*U01-*U02.9,X85-Y09,Y87.1)	440	4.4	3.7
4	Malignant neoplasms (C00-C97)	387	3.9	3.3
5	Diseases of heart (I00-I09,I11,I13,I20-I51)	254	2.5	2.1
6	COVID-19 (U07.1)	128	1.3	1.1
7	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	118	1.2	1.0
8	Diabetes mellitus (E10-E149)	105	1.0	0.9
9	Influenza and pneumonia (J09-J18)	57	0.6	0.5
10	Pregnancy, childbirth and the puerperium (O00-O99)	49	0.5	0.4
...	All other causes (residual)	1,310	13.1	11.0
White, non-Hispanic, both sexes, 25-34				
...	All causes	38,241	100.0	156.8
1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	18,903	49.4	77.5
2	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	5,460	14.3	22.4
3	Malignant neoplasms (C00-C97)	1,946	5.1	8.0
4	Diseases of heart (I00-I09,I11,I13,I20-I51)	1,788	4.7	7.3
5	Assault (homicide) (*U01-*U02.9,X85-Y09,Y87.1)	1,115	2.9	4.6
6	Chronic liver disease and cirrhosis (K70,K73-K74)	983	2.6	4.0
7	COVID-19 (U07.1)	752	2.0	3.1
8	Diabetes mellitus (E10-E149)	550	1.4	2.3
9	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	270	0.7	1.1
10	Cerebrovascular diseases (I60-I69)	257	0.7	1.1
...	All other causes (residual)	6,217	16.3	25.5

Table 1. Number of deaths, percentage of total deaths, and death rate for the 10 leading causes of death in selected age groups, by race and Hispanic origin and sex: United States, 2022—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. People of Hispanic origin may be of any race. Data for Hispanic people are not tabulated by race; data for non-Hispanic people are tabulated by race. Data for racial and ethnic groups other than Black non-Hispanic and White non-Hispanic should be interpreted with caution because of misreporting of Hispanic origin and race on the death certificate. An asterisk (*) preceding a cause-of-death code indicates that the code is not included in the *International Classification of Diseases, 10th Revision (ICD-10)*]

Rank ¹	Cause of death (based on ICD-10), race and Hispanic origin, sex, and age group (years)	Number ^{2,3}	Percent of total deaths ²⁻⁴	Death rate ^{2,3}
White, non-Hispanic, both sexes, 35-44				
...	All causes	63,676	100.0	259.7
1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	23,110	36.3	94.3
2	Diseases of heart (I00-I09,I11,I13,I20-I51)	6,461	10.1	26.4
3	Malignant neoplasms (C00-C97)	6,369	10.0	26.0
4	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	5,923	9.3	24.2
5	Chronic liver disease and cirrhosis (K70,K73-K74)	3,339	5.2	13.6
6	COVID-19 (U07.1)	1,881	3.0	7.7
7	Diabetes mellitus (E10-E149)	1,357	2.1	5.5
8	Assault (homicide) (*U01-*U02.9,X85-Y09,Y87.1)	1,205	1.9	4.9
9	Cerebrovascular diseases (I60-I69)	925	1.5	3.8
10	Septicemia (A40-A41)	554	0.9	2.3
...	All other causes (residual)	12,552	19.7	51.2
White, non-Hispanic, both sexes, 45-54				
...	All causes	112,149	100.0	468.0
1	Malignant neoplasms (C00-C97)	21,169	18.9	88.3
2	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	19,856	17.7	82.9
3	Diseases of heart (I00-I09,I11,I13,I20-I51)	19,279	17.2	80.4
4	Chronic liver disease and cirrhosis (K70,K73-K74)	6,199	5.5	25.9
5	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	6,192	5.5	25.8
6	COVID-19 (U07.1)	5,512	4.9	23.0
7	Diabetes mellitus (E10-E149)	3,877	3.5	16.2
8	Cerebrovascular diseases (I60-I69)	2,714	2.4	11.3
9	Chronic lower respiratory diseases (J40-J47)	2,232	2.0	9.3
10	Septicemia (A40-A41)	1,475	1.3	6.2
...	All other causes (residual)	23,644	21.1	98.7
White, non-Hispanic, both sexes, 55-64				
...	All causes	285,700	100.0	1,007.3
1	Malignant neoplasms (C00-C97)	75,079	26.3	264.7
2	Diseases of heart (I00-I09,I11,I13,I20-I51)	57,585	20.2	203.0
3	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	21,971	7.7	77.5
4	COVID-19 (U07.1)	15,821	5.5	55.8
5	Chronic lower respiratory diseases (J40-J47)	14,280	5.0	50.3
6	Chronic liver disease and cirrhosis (K70,K73-K74)	11,906	4.2	42.0
7	Diabetes mellitus (E10-E149)	10,385	3.6	36.6
8	Cerebrovascular diseases (I60-I69)	8,278	2.9	29.2
9	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	6,783	2.4	23.9
10	Septicemia (A40-A41)	4,047	1.4	14.3
...	All other causes (residual)	59,565	20.8	210.0
White, non-Hispanic, both sexes, 65 and older				
...	All causes	1,920,203	100.0	4,437.8
1	Diseases of heart (I00-I09,I11,I13,I20-I51)	452,219	23.6	1,045.1
2	Malignant neoplasms (C00-C97)	356,994	18.6	825.1
3	COVID-19 (U07.1)	111,158	5.8	256.9
4	Chronic lower respiratory diseases (J40-J47)	109,853	5.7	253.9
5	Cerebrovascular diseases (I60-I69)	107,601	5.6	248.7
6	Alzheimer disease (G30)	95,694	5.0	221.2
7	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	59,372	3.1	137.2
8	Diabetes mellitus (E10-E149)	48,363	2.5	111.8
9	Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	33,347	1.7	77.1
10	Parkinson disease (G20-G21)	33,217	1.7	76.8
...	All other causes (residual)	512,385	26.7	1,184.2

Table 1. Number of deaths, percentage of total deaths, and death rate for the 10 leading causes of death in selected age groups, by race and Hispanic origin and sex: United States, 2022—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. People of Hispanic origin may be of any race. Data for Hispanic people are not tabulated by race; data for non-Hispanic people are tabulated by race. Data for racial and ethnic groups other than Black non-Hispanic and White non-Hispanic should be interpreted with caution because of misreporting of Hispanic origin and race on the death certificate. An asterisk (*) preceding a cause-of-death code indicates that the code is not included in the *International Classification of Diseases, 10th Revision (ICD-10)*]

Rank ¹	Cause of death (based on ICD-10), race and Hispanic origin, sex, and age group (years)	Number ^{2,3}	Percent of total deaths ²⁻⁴	Death rate ^{2,3}
White, non-Hispanic, both sexes, 65-74				
...	All causes	493,998	100.0	1,993.4
1	Malignant neoplasms (C00-C97)	135,170	27.4	545.4
2	Diseases of heart (I00-I09,I11,I13,I20-I51)	102,048	20.7	411.8
3	Chronic lower respiratory diseases (J40-J47)	33,335	6.7	134.5
4	COVID-19 (U07.1)	29,951	6.1	120.9
5	Cerebrovascular diseases (I60-I69)	18,790	3.8	75.8
6	Diabetes mellitus (E10-E149)	17,422	3.5	70.3
7	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	16,710	3.4	67.4
8	Chronic liver disease and cirrhosis (K70,K73-K74)	9,869	2.0	39.8
9	Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	8,053	1.6	32.5
10	Septicemia (A40-A41)	7,414	1.5	29.9
...	All other causes (residual)	115,236	23.3	465.0
White, non-Hispanic, both sexes, 75-84				
...	All causes	658,195	100.0	4,883.6
1	Diseases of heart (I00-I09,I11,I13,I20-I51)	141,354	21.5	1,048.8
2	Malignant neoplasms (C00-C97)	138,283	21.0	1,026.0
3	Chronic lower respiratory diseases (J40-J47)	44,092	6.7	327.1
4	COVID-19 (U07.1)	39,442	6.0	292.6
5	Cerebrovascular diseases (I60-I69)	35,068	5.3	260.2
6	Alzheimer disease (G30)	29,474	4.5	218.7
7	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	18,762	2.9	139.2
8	Diabetes mellitus (E10-E149)	18,019	2.7	133.7
9	Parkinson disease (G20-G21)	15,356	2.3	113.9
10	Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	12,103	1.8	89.8
...	All other causes (residual)	166,242	25.3	1,233.5
White, non-Hispanic, both sexes, 85 and older				
...	All causes	768,010	100.0	15,332.2
1	Diseases of heart (I00-I09,I11,I13,I20-I51)	208,817	27.2	4,168.7
2	Malignant neoplasms (C00-C97)	83,541	10.9	1,667.8
3	Alzheimer disease (G30)	59,163	7.7	1,181.1
4	Cerebrovascular diseases (I60-I69)	53,743	7.0	1,072.9
5	COVID-19 (U07.1)	41,765	5.4	833.8
6	Chronic lower respiratory diseases (J40-J47)	32,426	4.2	647.3
7	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	23,900	3.1	477.1
8	Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	13,191	1.7	263.3
9	Diabetes mellitus (E10-E149)	12,922	1.7	258.0
10	Influenza and pneumonia (J09-J18)	12,814	1.7	255.8
...	All other causes (residual)	225,728	29.4	4,506.3
White, non-Hispanic, male, all ages ⁵				
...	All causes	1,267,526	100.0	1,299.7
1	Diseases of heart (I00-I09,I11,I13,I20-I51)	294,757	23.3	302.2
2	Malignant neoplasms (C00-C97)	245,676	19.4	251.9
3	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	97,463	7.7	99.9
4	COVID-19 (U07.1)	75,114	5.9	77.0
5	Chronic lower respiratory diseases (J40-J47)	58,720	4.6	60.2
6	Cerebrovascular diseases (I60-I69)	51,042	4.0	52.3
7	Diabetes mellitus (E10-E149)	37,886	3.0	38.8
8	Alzheimer disease (G30)	30,434	2.4	31.2
9	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	29,861	2.4	30.6
10	Chronic liver disease and cirrhosis (K70,K73-K74)	24,008	1.9	24.6
...	All other causes (residual)	322,565	25.4	330.8

Table 1. Number of deaths, percentage of total deaths, and death rate for the 10 leading causes of death in selected age groups, by race and Hispanic origin and sex: United States, 2022—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. People of Hispanic origin may be of any race. Data for Hispanic people are not tabulated by race; data for non-Hispanic people are tabulated by race. Data for racial and ethnic groups other than Black non-Hispanic and White non-Hispanic should be interpreted with caution because of misreporting of Hispanic origin and race on the death certificate. An asterisk (*) preceding a cause-of-death code indicates that the code is not included in the *International Classification of Diseases, 10th Revision (ICD-10)*]

Rank ¹	Cause of death (based on ICD-10), race and Hispanic origin, sex, and age group (years)	Number ^{2,3}	Percent of total deaths ²⁻⁴	Death rate ^{2,3}
White, non-Hispanic, male, 1-4				
...	All causes	1,044	100.0	28.8
1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	375	35.9	10.4
2	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	85	8.1	2.3
3	Assault (homicide) (*U01-*U02.9,X85-Y09,Y87.1)	70	6.7	1.9
4	Malignant neoplasms (C00-C97)	60	5.7	1.7
5	Influenza and pneumonia (J09-J18)	37	3.5	1.0
6	COVID-19 (U07.1)	30	2.9	0.8
7	Diseases of heart (I00-I09,I11,I13,I20-I51)	24	2.3	0.7
8	Cerebrovascular diseases (I60-I69)	17	1.6	*
9	In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior (D00-D48)	14	1.3	*
10	Certain conditions originating in the perinatal period (P00-P96)	12	1.1	*
...	All other causes (residual)	320	30.7	8.8
White, non-Hispanic, male, 5-9				
...	All causes	619	100.0	12.4
1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	185	29.9	3.7
2	Malignant neoplasms (C00-C97)	103	16.6	2.1
3	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	66	10.7	1.3
4	Assault (homicide) (*U01-*U02.9,X85-Y09,Y87.1)	25	4.0	0.5
5	Influenza and pneumonia (J09-J18)	18	2.9	*
6	Diseases of heart (I00-I09,I11,I13,I20-I51)	14	2.3	*
7	COVID-19 (U07.1)	13	2.1	*
7	Cerebrovascular diseases (I60-I69)	13	2.1	*
9	Septicemia (A40-A41)	7	1.1	*
10	Diabetes mellitus (E10-E149)	6	1.0	*
10	Chronic lower respiratory diseases (J40-J47)	6	1.0	*
...	All other causes (residual)	163	26.3	3.3
White, non-Hispanic, male, 10-14				
...	All causes	1,001	100.0	18.9
1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	264	26.4	5.0
2	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	188	18.8	3.6
3	Malignant neoplasms (C00-C97)	131	13.1	2.5
4	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	68	6.8	1.3
5	Assault (homicide) (*U01-*U02.9,X85-Y09,Y87.1)	47	4.7	0.9
6	Diseases of heart (I00-I09,I11,I13,I20-I51)	37	3.7	0.7
7	COVID-19 (U07.1)	19	1.9	*
8	Influenza and pneumonia (J09-J18)	16	1.6	*
9	Cerebrovascular diseases (I60-I69)	13	1.3	*
10	In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior (D00-D48)	11	1.1	*
...	All other causes (residual)	207	20.7	3.9

Table 1. Number of deaths, percentage of total deaths, and death rate for the 10 leading causes of death in selected age groups, by race and Hispanic origin and sex: United States, 2022—Con.

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Rank ¹	Cause of death (based on ICD-10), race and Hispanic origin, sex, and age group (years)	Number ^{2,3}	Percent of total deaths ²⁻⁴	Death rate ^{2,3}
White, non-Hispanic, male, 15-19				
...	All causes	3,665	100.0	64.6
1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	1,682	45.9	29.6
2	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	955	26.1	16.8
3	Assault (homicide) (*U01-*U02.9,X85-Y09,Y87.1)	225	6.1	4.0
4	Malignant neoplasms (C00-C97)	169	4.6	3.0
5	Diseases of heart (I00-I09,I11,I13,I20-I51)	87	2.4	1.5
6	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	60	1.6	1.1
7	COVID-19 (U07.1)	44	1.2	0.8
8	Diabetes mellitus (E10-E149)	20	0.5	0.4
9	In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior (D00-D48)	12	0.3	*
9	Influenza and pneumonia (J09-J18)	12	0.3	*
...	All other causes (residual)	399	10.9	7.0
White, non-Hispanic, male, 20-24				
...	All causes	7,089	100.0	116.1
1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	3,563	50.3	58.3
2	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	1,758	24.8	28.8
3	Assault (homicide) (*U01-*U02.9,X85-Y09,Y87.1)	312	4.4	5.1
4	Malignant neoplasms (C00-C97)	236	3.3	3.9
5	Diseases of heart (I00-I09,I11,I13,I20-I51)	152	2.1	2.5
6	COVID-19 (U07.1)	82	1.2	1.3
7	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	66	0.9	1.1
8	Diabetes mellitus (E10-E149)	65	0.9	1.1
9	Influenza and pneumonia (J09-J18)	37	0.5	0.6
10	Chronic lower respiratory diseases (J40-J47)	23	0.3	0.4
...	All other causes (residual)	795	11.2	13.0
White, non-Hispanic, male, 25-34				
...	All causes	26,365	100.0	211.4
1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	13,581	51.5	108.9
2	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	4,378	16.6	35.1
3	Diseases of heart (I00-I09,I11,I13,I20-I51)	1,193	4.5	9.6
4	Malignant neoplasms (C00-C97)	987	3.7	7.9
5	Assault (homicide) (*U01-*U02.9,X85-Y09,Y87.1)	795	3.0	6.4
6	Chronic liver disease and cirrhosis (K70,K73-K74)	632	2.4	5.1
7	COVID-19 (U07.1)	468	1.8	3.8
8	Diabetes mellitus (E10-E149)	332	1.3	2.7
9	Cerebrovascular diseases (I60-I69)	151	0.6	1.2
10	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	149	0.6	1.2
...	All other causes (residual)	3,699	14.0	29.7
White, non-Hispanic, male, 35-44				
...	All causes	41,371	100.0	331.3
1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	16,381	39.6	131.2
2	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	4,643	11.2	37.2
3	Diseases of heart (I00-I09,I11,I13,I20-I51)	4,414	10.7	35.4
4	Malignant neoplasms (C00-C97)	2,859	6.9	22.9
5	Chronic liver disease and cirrhosis (K70,K73-K74)	2,052	5.0	16.4
6	COVID-19 (U07.1)	1,076	2.6	8.6
7	Diabetes mellitus (E10-E149)	865	2.1	6.9
8	Assault (homicide) (*U01-*U02.9,X85-Y09,Y87.1)	839	2.0	6.7
9	Cerebrovascular diseases (I60-I69)	513	1.2	4.1
10	Septicemia (A40-A41)	303	0.7	2.4
...	All other causes (residual)	7,426	17.9	59.5

See footnotes at end of table.

Table 1. Number of deaths, percentage of total deaths, and death rate for the 10 leading causes of death in selected age groups, by race and Hispanic origin and sex: United States, 2022—Con.

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Rank ¹	Cause of death (based on ICD-10), race and Hispanic origin, sex, and age group (years)	Number ^{2,3}	Percent of total deaths ²⁻⁴	Death rate ^{2,3}
White, non-Hispanic, male, 45-54				
...	All causes	69,827	100.0	573.3
1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	13,823	19.8	113.5
2	Diseases of heart (I00-I09,I11,I13,I20-I51)	13,711	19.6	112.6
3	Malignant neoplasms (C00-C97)	10,493	15.0	86.1
4	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	4,730	6.8	38.8
5	Chronic liver disease and cirrhosis (K70,K73-K74)	3,855	5.5	31.6
6	COVID-19 (U07.1)	3,245	4.6	26.6
7	Diabetes mellitus (E10-E149)	2,495	3.6	20.5
8	Cerebrovascular diseases (I60-I69)	1,514	2.2	12.4
9	Chronic lower respiratory diseases (J40-J47)	969	1.4	8.0
10	Septicemia (A40-A41)	795	1.1	6.5
...	All other causes (residual)	14,197	20.3	116.6
White, non-Hispanic, male, 55-64				
...	All causes	173,821	100.0	1,233.6
1	Malignant neoplasms (C00-C97)	40,478	23.3	287.3
2	Diseases of heart (I00-I09,I11,I13,I20-I51)	40,169	23.1	285.1
3	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	15,474	8.9	109.8
4	COVID-19 (U07.1)	9,322	5.4	66.2
5	Chronic liver disease and cirrhosis (K70,K73-K74)	7,621	4.4	54.1
6	Chronic lower respiratory diseases (J40-J47)	6,960	4.0	49.4
7	Diabetes mellitus (E10-E149)	6,748	3.9	47.9
8	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	5,255	3.0	37.3
9	Cerebrovascular diseases (I60-I69)	4,793	2.8	34.0
10	Septicemia (A40-A41)	2,128	1.2	15.1
...	All other causes (residual)	34,873	20.1	247.5
White, non-Hispanic, male, 65 and older				
...	All causes	938,224	100.0	4,758.7
1	Diseases of heart (I00-I09,I11,I13,I20-I51)	234,899	25.0	1,191.4
2	Malignant neoplasms (C00-C97)	190,153	20.3	964.5
3	COVID-19 (U07.1)	60,781	6.5	308.3
4	Chronic lower respiratory diseases (J40-J47)	50,483	5.4	256.1
5	Cerebrovascular diseases (I60-I69)	43,971	4.7	223.0
6	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	31,784	3.4	161.2
7	Alzheimer disease (G30)	29,943	3.2	151.9
8	Diabetes mellitus (E10-E149)	27,349	2.9	138.7
9	Parkinson disease (G20-G21)	20,570	2.2	104.3
10	Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	17,287	1.8	87.7
...	All other causes (residual)	231,004	24.6	1,171.7
White, non-Hispanic, male, 65-74				
...	All causes	285,912	100.0	2,409.1
1	Malignant neoplasms (C00-C97)	74,914	26.2	631.2
2	Diseases of heart (I00-I09,I11,I13,I20-I51)	66,320	23.2	558.8
3	COVID-19 (U07.1)	17,724	6.2	149.3
4	Chronic lower respiratory diseases (J40-J47)	16,942	5.9	142.8
5	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	11,140	3.9	93.9
6	Diabetes mellitus (E10-E149)	10,722	3.8	90.3
7	Cerebrovascular diseases (I60-I69)	10,139	3.5	85.4
8	Chronic liver disease and cirrhosis (K70,K73-K74)	6,230	2.2	52.5
9	Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	4,546	1.6	38.3
10	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	3,874	1.4	32.6
...	All other causes (residual)	63,361	22.2	533.9

Table 1. Number of deaths, percentage of total deaths, and death rate for the 10 leading causes of death in selected age groups, by race and Hispanic origin and sex: United States, 2022—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. People of Hispanic origin may be of any race. Data for Hispanic people are not tabulated by race; data for non-Hispanic people are tabulated by race. Data for racial and ethnic groups other than Black non-Hispanic and White non-Hispanic should be interpreted with caution because of misreporting of Hispanic origin and race on the death certificate. An asterisk (*) preceding a cause-of-death code indicates that the code is not included in the *International Classification of Diseases, 10th Revision (ICD-10)*]

Rank ¹	Cause of death (based on ICD-10), race and Hispanic origin, sex, and age group (years)	Number ^{2,3}	Percent of total deaths ²⁻⁴	Death rate ^{2,3}
White, non-Hispanic, male, 75-84				
...	All causes	345,222	100.0	5,695.4
1	Diseases of heart (I00-I09,I11,I13,I20-I51)	80,871	23.4	1,334.2
2	Malignant neoplasms (C00-C97)	74,173	21.5	1,223.7
3	COVID-19 (U07.1)	22,720	6.6	374.8
4	Chronic lower respiratory diseases (J40-J47)	20,743	6.0	342.2
5	Cerebrovascular diseases (I60-I69)	16,155	4.7	266.5
6	Alzheimer disease (G30)	10,816	3.1	178.4
7	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	10,613	3.1	175.1
8	Diabetes mellitus (E10-E149)	10,454	3.0	172.5
9	Parkinson disease (G20-G21)	9,915	2.9	163.6
10	Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	6,494	1.9	107.1
...	All other causes (residual)	82,268	23.8	1,357.2
White, non-Hispanic, male, 85 and older				
...	All causes	307,090	100.0	17,191.0
1	Diseases of heart (I00-I09,I11,I13,I20-I51)	87,708	28.6	4,909.9
2	Malignant neoplasms (C00-C97)	41,066	13.4	2,298.9
3	COVID-19 (U07.1)	20,337	6.6	1,138.5
4	Cerebrovascular diseases (I60-I69)	17,677	5.8	989.6
5	Alzheimer disease (G30)	16,287	5.3	911.7
6	Chronic lower respiratory diseases (J40-J47)	12,798	4.2	716.4
7	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	10,031	3.3	561.5
8	Parkinson disease (G20-G21)	7,106	2.3	397.8
9	Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	6,247	2.0	349.7
10	Diabetes mellitus (E10-E149)	6,173	2.0	345.6
...	All other causes (residual)	81,660	26.6	4,571.3
White, non-Hispanic, female, all ages ⁵				
...	All causes	1,180,567	100.0	1,196.1
1	Diseases of heart (I00-I09,I11,I13,I20-I51)	243,212	20.6	246.4
2	Malignant neoplasms (C00-C97)	217,158	18.4	220.0
3	Cerebrovascular diseases (I60-I69)	68,887	5.8	69.8
4	Chronic lower respiratory diseases (J40-J47)	68,283	5.8	69.2
5	Alzheimer disease (G30)	66,465	5.6	67.3
6	COVID-19 (U07.1)	60,370	5.1	61.2
7	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	55,184	4.7	55.9
8	Diabetes mellitus (E10-E149)	26,815	2.3	27.2
9	Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	18,343	1.6	18.6
10	Influenza and pneumonia (J09-J18)	17,176	1.5	17.4
...	All other causes (residual)	338,674	28.7	343.1
White, non-Hispanic, female, 1-4				
...	All causes	751	100.0	21.8
1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	227	30.2	6.6
2	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	99	13.2	2.9
3	Malignant neoplasms (C00-C97)	81	10.8	2.4
4	Assault (homicide) (*U01-*U02.9,X85-Y09,Y87.1)	37	4.9	1.1
5	Influenza and pneumonia (J09-J18)	19	2.5	*
6	Diseases of heart (I00-I09,I11,I13,I20-I51)	16	2.1	*
6	COVID-19 (U07.1)	16	2.1	*
8	Septicemia (A40-A41)	12	1.6	*
9	Certain conditions originating in the perinatal period (P00-P96)	8	1.1	*
10	In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior (D00-D48)	6	0.8	*
...	All other causes (residual)	230	30.6	6.7

See footnotes at end of table.

Table 1. Number of deaths, percentage of total deaths, and death rate for the 10 leading causes of death in selected age groups, by race and Hispanic origin and sex: United States, 2022—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. People of Hispanic origin may be of any race. Data for Hispanic people are not tabulated by race; data for non-Hispanic people are tabulated by race. Data for racial and ethnic groups other than Black non-Hispanic and White non-Hispanic should be interpreted with caution because of misreporting of Hispanic origin and race on the death certificate. An asterisk (*) preceding a cause-of-death code indicates that the code is not included in the *International Classification of Diseases, 10th Revision (ICD-10)*]

Rank ¹	Cause of death (based on ICD-10), race and Hispanic origin, sex, and age group (years)	Number ^{2,3}	Percent of total deaths ²⁻⁴	Death rate ^{2,3}
White, non-Hispanic, female, 5-9				
...	All causes	501	100.0	10.6
1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	137	27.3	2.9
2	Malignant neoplasms (C00-C97)	89	17.8	1.9
3	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	51	10.2	1.1
4	Assault (homicide) (*U01-U02.9,X85-Y09,Y87.1)	22	4.4	0.5
5	Influenza and pneumonia (J09-J18)	19	3.8	*
6	Diseases of heart (I00-I09,I11,I13,I20-I51)	13	2.6	*
7	COVID-19 (U07.1)	12	2.4	*
8	Cerebrovascular diseases (I60-I69)	9	1.8	*
9	Chronic lower respiratory diseases (J40-J47)	6	1.2	*
10	Septicemia (A40-A41)	5	1.0	*
...	All other causes (residual)	138	27.5	2.9
White, non-Hispanic, female, 10-14				
...	All causes	689	100.0	13.8
1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	174	25.3	3.5
2	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	101	14.7	2.0
3	Malignant neoplasms (C00-C97)	93	13.5	1.9
4	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	34	4.9	0.7
5	Assault (homicide) (*U01-U02.9,X85-Y09,Y87.1)	29	4.2	0.6
6	Diseases of heart (I00-I09,I11,I13,I20-I51)	26	3.8	0.5
7	Influenza and pneumonia (J09-J18)	17	2.5	*
8	Cerebrovascular diseases (I60-I69)	14	2.0	*
9	COVID-19 (U07.1)	13	1.9	*
10	Diabetes mellitus (E10-E149)	9	1.3	*
...	All other causes (residual)	179	26.0	3.6
White, non-Hispanic, female, 15-19				
...	All causes	1,735	100.0	32.4
1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	777	44.8	14.5
2	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	273	15.7	5.1
3	Malignant neoplasms (C00-C97)	142	8.2	2.7
4	Assault (homicide) (*U01-U02.9,X85-Y09,Y87.1)	65	3.7	1.2
5	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	59	3.4	1.1
6	Diseases of heart (I00-I09,I11,I13,I20-I51)	51	2.9	1.0
7	COVID-19 (U07.1)	34	2.0	0.6
8	Diabetes mellitus (E10-E149)	21	1.2	0.4
9	Septicemia (A40-A41)	15	0.9	*
9	Chronic lower respiratory diseases (J40-J47)	15	0.9	*
...	All other causes (residual)	283	16.3	5.3
White, non-Hispanic, female, 20-24				
...	All causes	2,916	100.0	50.4
1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	1,464	50.2	25.3
2	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	372	12.8	6.4
3	Malignant neoplasms (C00-C97)	151	5.2	2.6
4	Assault (homicide) (*U01-U02.9,X85-Y09,Y87.1)	128	4.4	2.2
5	Diseases of heart (I00-I09,I11,I13,I20-I51)	102	3.5	1.8
6	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	52	1.8	0.9
7	Pregnancy, childbirth and the puerperium (O00-O99)	49	1.7	0.8
8	COVID-19 (U07.1)	46	1.6	0.8
9	Diabetes mellitus (E10-E149)	40	1.4	0.7
10	Septicemia (A40-A41)	23	0.8	0.4
...	All other causes (residual)	489	16.8	8.5

Table 1. Number of deaths, percentage of total deaths, and death rate for the 10 leading causes of death in selected age groups, by race and Hispanic origin and sex: United States, 2022—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. People of Hispanic origin may be of any race. Data for Hispanic people are not tabulated by race; data for non-Hispanic people are tabulated by race. Data for racial and ethnic groups other than Black non-Hispanic and White non-Hispanic should be interpreted with caution because of misreporting of Hispanic origin and race on the death certificate. An asterisk (*) preceding a cause-of-death code indicates that the code is not included in the *International Classification of Diseases, 10th Revision (ICD-10)*]

Rank ¹	Cause of death (based on ICD-10), race and Hispanic origin, sex, and age group (years)	Number ^{2,3}	Percent of total deaths ²⁻⁴	Death rate ^{2,3}
White, non-Hispanic, female, 25-34				
...	All causes	11,876	100.0	99.7
1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	5,322	44.8	44.7
2	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	1,082	9.1	9.1
3	Malignant neoplasms (C00-C97)	959	8.1	8.0
4	Diseases of heart (I00-I09,I11,I13,I20-I51)	595	5.0	5.0
5	Chronic liver disease and cirrhosis (K70,K73-K74)	351	3.0	2.9
6	Assault (homicide) (*U01-*U02.9,X85-Y09,Y87.1)	320	2.7	2.7
7	COVID-19 (U07.1)	284	2.4	2.4
8	Pregnancy, childbirth and the puerperium (O00-O99)	252	2.1	2.1
9	Diabetes mellitus (E10-E149)	218	1.8	1.8
10	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	121	1.0	1.0
...	All other causes (residual)	2,372	20.0	19.9
White, non-Hispanic, female, 35-44				
...	All causes	22,305	100.0	185.4
1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	6,729	30.2	55.9
2	Malignant neoplasms (C00-C97)	3,510	15.7	29.2
3	Diseases of heart (I00-I09,I11,I13,I20-I51)	2,047	9.2	17.0
4	Chronic liver disease and cirrhosis (K70,K73-K74)	1,287	5.8	10.7
5	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	1,280	5.7	10.6
6	COVID-19 (U07.1)	805	3.6	6.7
7	Diabetes mellitus (E10-E149)	492	2.2	4.1
8	Cerebrovascular diseases (I60-I69)	412	1.8	3.4
9	Assault (homicide) (*U01-*U02.9,X85-Y09,Y87.1)	366	1.6	3.0
10	Septicemia (A40-A41)	251	1.1	2.1
...	All other causes (residual)	5,126	23.0	42.6
White, non-Hispanic, female, 45-54				
...	All causes	42,322	100.0	359.1
1	Malignant neoplasms (C00-C97)	10,676	25.2	90.6
2	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	6,033	14.3	51.2
3	Diseases of heart (I00-I09,I11,I13,I20-I51)	5,568	13.2	47.2
4	Chronic liver disease and cirrhosis (K70,K73-K74)	2,344	5.5	19.9
5	COVID-19 (U07.1)	2,267	5.4	19.2
6	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	1,462	3.5	12.4
7	Diabetes mellitus (E10-E149)	1,382	3.3	11.7
8	Chronic lower respiratory diseases (J40-J47)	1,263	3.0	10.7
9	Cerebrovascular diseases (I60-I69)	1,200	2.8	10.2
10	Septicemia (A40-A41)	680	1.6	5.8
...	All other causes (residual)	9,447	22.3	80.2
White, non-Hispanic, female, 55-64				
...	All causes	111,879	100.0	783.8
1	Malignant neoplasms (C00-C97)	34,601	30.9	242.4
2	Diseases of heart (I00-I09,I11,I13,I20-I51)	17,416	15.6	122.0
3	Chronic lower respiratory diseases (J40-J47)	7,320	6.5	51.3
4	COVID-19 (U07.1)	6,499	5.8	45.5
5	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	6,497	5.8	45.5
6	Chronic liver disease and cirrhosis (K70,K73-K74)	4,285	3.8	30.0
7	Diabetes mellitus (E10-E149)	3,637	3.3	25.5
8	Cerebrovascular diseases (I60-I69)	3,485	3.1	24.4
9	Septicemia (A40-A41)	1,919	1.7	13.4
10	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	1,528	1.4	10.7
...	All other causes (residual)	24,692	22.1	173.0

See footnotes at end of table.

Table 1. Number of deaths, percentage of total deaths, and death rate for the 10 leading causes of death in selected age groups, by race and Hispanic origin and sex: United States, 2022—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. People of Hispanic origin may be of any race. Data for Hispanic people are not tabulated by race; data for non-Hispanic people are tabulated by race. Data for racial and ethnic groups other than Black non-Hispanic and White non-Hispanic should be interpreted with caution because of misreporting of Hispanic origin and race on the death certificate. An asterisk (*) preceding a cause-of-death code indicates that the code is not included in the *International Classification of Diseases, 10th Revision (ICD-10)*]

Rank ¹	Cause of death (based on ICD-10), race and Hispanic origin, sex, and age group (years)	Number ^{2,3}	Percent of total deaths ²⁻⁴	Death rate ^{2,3}
White, non-Hispanic, female, 65 and older				
...	All causes	981,979	100.0	4,169.2
1	Diseases of heart (I00-I09,I11,I13,I20-I51)	217,320	22.1	922.7
2	Malignant neoplasms (C00-C97)	166,841	17.0	708.4
3	Alzheimer disease (G30)	65,751	6.7	279.2
4	Cerebrovascular diseases (I60-I69)	63,630	6.5	270.2
5	Chronic lower respiratory diseases (J40-J47)	59,370	6.0	252.1
6	COVID-19 (U07.1)	50,377	5.1	213.9
7	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	27,588	2.8	117.1
8	Diabetes mellitus (E10-E149)	21,014	2.1	89.2
9	Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	16,060	1.6	68.2
10	Influenza and pneumonia (J09-J18)	14,685	1.5	62.3
...	All other causes (residual)	279,343	28.4	1,186.0
White, non-Hispanic, female, 65-74				
...	All causes	208,086	100.0	1,611.3
1	Malignant neoplasms (C00-C97)	60,256	29.0	466.6
2	Diseases of heart (I00-I09,I11,I13,I20-I51)	35,728	17.2	276.7
3	Chronic lower respiratory diseases (J40-J47)	16,393	7.9	126.9
4	COVID-19 (U07.1)	12,227	5.9	94.7
5	Cerebrovascular diseases (I60-I69)	8,651	4.2	67.0
6	Diabetes mellitus (E10-E149)	6,700	3.2	51.9
7	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	5,570	2.7	43.1
8	Alzheimer disease (G30)	4,217	2.0	32.7
9	Chronic liver disease and cirrhosis (K70,K73-K74)	3,639	1.7	28.2
10	Septicemia (A40-A41)	3,547	1.7	27.5
...	All other causes (residual)	51,158	24.6	396.1
White, non-Hispanic, female, 75-84				
...	All causes	312,973	100.0	4,220.1
1	Malignant neoplasms (C00-C97)	64,110	20.5	864.5
2	Diseases of heart (I00-I09,I11,I13,I20-I51)	60,483	19.3	815.5
3	Chronic lower respiratory diseases (J40-J47)	23,349	7.5	314.8
4	Cerebrovascular diseases (I60-I69)	18,913	6.0	255.0
5	Alzheimer disease (G30)	18,658	6.0	251.6
6	COVID-19 (U07.1)	16,722	5.3	225.5
7	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	8,149	2.6	109.9
8	Diabetes mellitus (E10-E149)	7,565	2.4	102.0
9	Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	5,609	1.8	75.6
10	Parkinson disease (G20-G21)	5,441	1.7	73.4
...	All other causes (residual)	83,974	26.8	1,132.3

Table 1. Number of deaths, percentage of total deaths, and death rate for the 10 leading causes of death in selected age groups, by race and Hispanic origin and sex: United States, 2022—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. People of Hispanic origin may be of any race. Data for Hispanic people are not tabulated by race; data for non-Hispanic people are tabulated by race. Data for racial and ethnic groups other than Black non-Hispanic and White non-Hispanic should be interpreted with caution because of misreporting of Hispanic origin and race on the death certificate. An asterisk (*) preceding a cause-of-death code indicates that the code is not included in the *International Classification of Diseases, 10th Revision (ICD-10)*]

Rank ¹	Cause of death (based on ICD-10), race and Hispanic origin, sex, and age group (years)	Number ^{2,3}	Percent of total deaths ²⁻⁴	Death rate ^{2,3}
White, non-Hispanic, female, 85 and older				
...	All causes	460,920	100.0	14,301.9
1	Diseases of heart (I00-I09,I11,I13,I20-I51)	121,109	26.3	3,757.9
2	Alzheimer disease (G30)	42,876	9.3	1,330.4
3	Malignant neoplasms (C00-C97)	42,475	9.2	1,318.0
4	Cerebrovascular diseases (I60-I69)	36,066	7.8	1,119.1
5	COVID-19 (U07.1)	21,428	4.6	664.9
6	Chronic lower respiratory diseases (J40-J47)	19,628	4.3	609.0
7	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	13,869	3.0	430.3
8	Essential hypertension and hypertensive renal disease (I10,I12,I15)	8,258	1.8	256.2
9	Influenza and pneumonia (J09-J18)	7,130	1.5	221.2
10	Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	6,944	1.5	215.5
...	All other causes (residual)	141,137	30.6	4,379.4

... Category not applicable.

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

– Quantity zero.

¹Based on number of deaths.

²Data for age not stated are included in “all ages” but not distributed among age groups.

³Data for two or more races and origin not stated are included in “All races, all 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.

⁴Percentages may not add to 100 because of rounding.

⁵Includes deaths for younger than 1 year.

SOURCE: National Center for Health Statistics, National Vital Statistics System, mortality data file.

Table 2. Number of infant, neonatal, and postneonatal deaths, percentage of total deaths, and mortality rate for the 10 leading causes of infant death, by race and Hispanic origin and sex: United States, 2022

[Rates are infant (younger than 1 year), neonatal (younger than 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. People of Hispanic origin may be of any race. Data for Hispanic people are not tabulated separately by race; data for non-Hispanic people are tabulated by race. Data for racial and ethnic groups other than Black non-Hispanic and White non-Hispanic should be interpreted with caution because of inconsistencies between reporting Hispanic origin and race on birth and death certificates. Deaths are based on race and Hispanic origin of decedent; live births are based on race and Hispanic origin of mother. National linked files should be used to measure infant mortality for specific subgroups. An asterisk (*) preceding a cause-of-death code indicates that the code is not included in the *International Classification of Diseases, 10th Revision (ICD-10)*]

Rank ¹	Cause of death (based on ICD-10), race and Hispanic origin, sex, and age group	Number ²	Percent of total deaths ³	Death rate ²
Infant, all races, all origins, both sexes				
...	All causes	20,553	100.0	560.4
1	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	3,970	19.3	108.2
2	Disorders related to short gestation and low birth weight, not elsewhere classified (P07)	2,884	14.0	78.6
3	Sudden infant death syndrome (R95)	1,529	7.4	41.7
4	Accidents (unintentional injuries). (V01-X59)	1,354	6.6	36.9
5	Newborn affected by maternal complications of pregnancy. (P01)	1,215	5.9	33.1
6	Newborn affected by complications of placenta, cord and membranes (P02)	649	3.2	17.7
7	Bacterial sepsis of newborn (P36)	636	3.1	17.3
8	Respiratory distress of newborn (P22)	455	2.2	12.4
9	Intrauterine hypoxia and birth asphyxia (P20-P21)	362	1.8	9.9
10	Diseases of the circulatory system. (I00-I99)	356	1.7	9.7
...	All other causes (residual)	7,143	34.8	194.8
Infant, all races, all origins, male				
...	All causes	11,371	100.0	606.6
1	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	1,999	17.6	106.6
2	Disorders related to short gestation and low birth weight, not elsewhere classified (P07)	1,572	13.8	83.9
3	Sudden infant death syndrome (R95)	906	8.0	48.3
4	Accidents (unintentional injuries). (V01-X59)	791	7.0	42.2
5	Newborn affected by maternal complications of pregnancy. (P01)	693	6.1	37.0
6	Bacterial sepsis of newborn (P36)	366	3.2	19.5
7	Newborn affected by complications of placenta, cord and membranes (P02)	344	3.0	18.4
8	Respiratory distress of newborn (P22)	259	2.3	13.8
9	Intrauterine hypoxia and birth asphyxia (P20-P21)	196	1.7	10.5
9	Necrotizing enterocolitis of newborn (P77)	196	1.7	10.5
...	All other causes (residual)	4,049	35.6	216.0
Infant, all races, all origins, female				
...	All causes	9,182	100.0	512.0
1	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	1,971	21.5	109.9
2	Disorders related to short gestation and low birth weight, not elsewhere classified (P07)	1,312	14.3	73.2
3	Sudden infant death syndrome (R95)	623	6.8	34.7
4	Accidents (unintentional injuries). (V01-X59)	563	6.1	31.4
5	Newborn affected by maternal complications of pregnancy. (P01)	522	5.7	29.1
6	Newborn affected by complications of placenta, cord and membranes (P02)	305	3.3	17.0
7	Bacterial sepsis of newborn (P36)	270	2.9	15.1
8	Respiratory distress of newborn (P22)	196	2.1	10.9
9	Intrauterine hypoxia and birth asphyxia (P20-P21)	166	1.8	9.3
10	Diseases of the circulatory system. (I00-I99)	163	1.8	9.1
...	All other causes (residual)	3,091	33.7	172.4
Infant, all races, Hispanic, both sexes				
...	All causes	4,765	100.0	508.3
1	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	1,147	24.1	122.4
2	Disorders related to short gestation and low birth weight, not elsewhere classified (P07)	679	14.2	72.4
3	Newborn affected by maternal complications of pregnancy. (P01)	305	6.4	32.5
4	Sudden infant death syndrome (R95)	262	5.5	27.9
5	Accidents (unintentional injuries). (V01-X59)	197	4.1	21.0
6	Bacterial sepsis of newborn (P36)	161	3.4	17.2
7	Newborn affected by complications of placenta, cord and membranes (P02)	139	2.9	14.8
8	Respiratory distress of newborn (P22)	95	2.0	10.1
9	Neonatal hemorrhage. (P50-P52,P54)	92	1.9	9.8
10	Necrotizing enterocolitis of newborn (P77)	91	1.9	9.7
...	All other causes (residual)	1,597	33.5	170.4

See footnotes at end of table.

Table 2. Number of infant, neonatal, and postneonatal deaths, percentage of total deaths, and mortality rate for the 10 leading causes of infant death, by race and Hispanic origin and sex: United States, 2022—Con.

[Rates are infant (younger than 1 year), neonatal (younger than 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. People of Hispanic origin may be of any race. Data for Hispanic people are not tabulated separately by race; data for non-Hispanic people are tabulated by race. Data for racial and ethnic groups other than Black non-Hispanic and White non-Hispanic should be interpreted with caution because of inconsistencies between reporting Hispanic origin and race on birth and death certificates. Deaths are based on race and Hispanic origin of decedent; live births are based on race and Hispanic origin of mother. National linked files should be used to measure infant mortality for specific subgroups. An asterisk (*) preceding a cause-of-death code indicates that the code is not included in the *International Classification of Diseases, 10th Revision (ICD-10)*]

Rank ¹	Cause of death (based on ICD-10), race and Hispanic origin, sex, and age group	Number ²	Percent of total deaths ³	Death rate ²
Infant, all races, Hispanic, male				
...	All causes	2,612	100.0	547.1
1	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	561	21.5	117.5
2	Disorders related to short gestation and low birth weight, not elsewhere classified (P07)	384	14.7	80.4
3	Newborn affected by maternal complications of pregnancy (P01)	163	6.2	34.1
3	Sudden infant death syndrome (R95)	163	6.2	34.1
5	Accidents (unintentional injuries) (V01-X59)	117	4.5	24.5
6	Bacterial sepsis of newborn (P36)	97	3.7	20.3
7	Newborn affected by complications of placenta, cord and membranes (P02)	76	2.9	15.9
8	Respiratory distress of newborn (P22)	54	2.1	11.3
9	Neonatal hemorrhage (P50-P52,P54)	51	2.0	10.7
10	Intrauterine hypoxia and birth asphyxia (P20-P21)	49	1.9	10.3
...	All other causes (residual)	897	34.3	187.9
Infant, all races, Hispanic, female				
...	All causes	2,153	100.0	468.0
1	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	586	27.2	127.4
2	Disorders related to short gestation and low birth weight, not elsewhere classified (P07)	295	13.7	64.1
3	Newborn affected by maternal complications of pregnancy (P01)	142	6.6	30.9
4	Sudden infant death syndrome (R95)	99	4.6	21.5
5	Accidents (unintentional injuries) (V01-X59)	80	3.7	17.4
6	Bacterial sepsis of newborn (P36)	64	3.0	13.9
7	Newborn affected by complications of placenta, cord and membranes (P02)	63	2.9	13.7
8	Necrotizing enterocolitis of newborn (P77)	43	2.0	9.3
9	Neonatal hemorrhage (P50-P52,P54)	41	1.9	8.9
9	Respiratory distress of newborn (P22)	41	1.9	8.9
...	All other causes (residual)	699	32.5	151.9
Infant, American Indian and Alaska Native, non-Hispanic, both sexes				
...	All causes	210	100.0	816.5
1	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	41	19.5	159.4
2	Sudden infant death syndrome (R95)	26	12.4	101.1
3	Accidents (unintentional injuries) (V01-X59)	17	8.1	*
4	Disorders related to short gestation and low birth weight, not elsewhere classified (P07)	16	7.6	*
5	Newborn affected by maternal complications of pregnancy (P01)	11	5.2	*
6	Newborn affected by complications of placenta, cord and membranes (P02)	8	3.8	*
7	Necrotizing enterocolitis of newborn (P77)	5	2.4	*
8	Influenza and pneumonia (J09-J18)	4	1.9	*
8	Atelectasis (P28.0-P28.1)	4	1.9	*
10	Intrauterine hypoxia and birth asphyxia (P20-P21)	3	1.4	*
10	Pulmonary hemorrhage originating in the perinatal period (P26)	3	1.4	*
10	Diseases of the circulatory system (I00-I99)	3	1.4	*
10	Newborn affected by other complications of labor and delivery (P03)	3	1.4	*
10	Respiratory distress of newborn (P22)	3	1.4	*
10	Assault (homicide) (*U01,X85-Y09)	3	1.4	*
...	All other causes (residual)	60	28.6	233.3

See footnotes at end of table.

Table 2. Number of infant, neonatal, and postneonatal deaths, percentage of total deaths, and mortality rate for the 10 leading causes of infant death, by race and Hispanic origin and sex: United States, 2022—Con.

[Rates are infant (younger than 1 year), neonatal (younger than 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. People of Hispanic origin may be of any race. Data for Hispanic people are not tabulated separately by race; data for non-Hispanic people are tabulated by race. Data for racial and ethnic groups other than Black non-Hispanic and White non-Hispanic should be interpreted with caution because of inconsistencies between reporting Hispanic origin and race on birth and death certificates. Deaths are based on race and Hispanic origin of decedent; live births are based on race and Hispanic origin of mother. National linked files should be used to measure infant mortality for specific subgroups. An asterisk (*) preceding a cause-of-death code indicates that the code is not included in the *International Classification of Diseases, 10th Revision (ICD-10)*]

Rank ¹	Cause of death (based on ICD-10), race and Hispanic origin, sex, and age group	Number ²	Percent of total deaths ³	Death rate ²
Infant, American Indian and Alaska Native, non-Hispanic, male				
...	All causes	120	100.0	918.6
1	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	21	17.5	160.8
2	Sudden infant death syndrome (R95)	14	11.7	*
3	Accidents (unintentional injuries). (V01–X59)	10	8.3	*
4	Disorders related to short gestation and low birth weight, not elsewhere classified (P07)	9	7.5	*
5	Newborn affected by maternal complications of pregnancy. (P01)	8	6.7	*
6	Newborn affected by complications of placenta, cord and membranes (P02)	4	3.3	*
6	Influenza and pneumonia. (J09–J18)	4	3.3	*
8	Diarrhea and gastroenteritis of infectious origin (A09)	2	1.7	*
8	Respiratory distress of newborn (P22)	2	1.7	*
8	Necrotizing enterocolitis of newborn (P77)	2	1.7	*
8	Pulmonary hemorrhage originating in the perinatal period (P26)	2	1.7	*
8	Atelectasis (P28.0–P28.1)	2	1.7	*
...	All other causes (residual)	40	33.3	306.2
Infant, American Indian and Alaska Native, non-Hispanic, female				
...	All causes	90	100.0	711.0
1	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	20	22.2	158.0
2	Sudden infant death syndrome (R95)	12	13.3	*
3	Accidents (unintentional injuries). (V01–X59)	7	7.8	*
3	Disorders related to short gestation and low birth weight, not elsewhere classified (P07)	7	7.8	*
5	Newborn affected by complications of placenta, cord and membranes (P02)	4	4.4	*
6	Necrotizing enterocolitis of newborn (P77)	3	3.3	*
6	Newborn affected by maternal complications of pregnancy. (P01)	3	3.3	*
8	Atelectasis (P28.0–P28.1)	2	2.2	*
8	Intrauterine hypoxia and birth asphyxia (P20–P21)	2	2.2	*
8	Diseases of the circulatory system. (I00–I99)	2	2.2	*
8	Newborn affected by other complications of labor and delivery. (P03)	2	2.2	*
8	Assault (homicide). (*U01,X85–Y09)	2	2.2	*
...	All other causes (residual)	24	26.7	189.6
Infant, Asian, non-Hispanic, both sexes				
...	All causes	624	100.0	284.9
1	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	124	19.9	56.6
2	Disorders related to short gestation and low birth weight, not elsewhere classified (P07)	101	16.2	46.1
3	Newborn affected by maternal complications of pregnancy. (P01)	69	11.1	31.5
4	Bacterial sepsis of newborn (P36)	31	5.0	14.2
5	Sudden infant death syndrome (R95)	25	4.0	11.4
6	Accidents (unintentional injuries). (V01–X59)	24	3.8	11.0
7	Newborn affected by complications of placenta, cord and membranes (P02)	17	2.7	*
8	Respiratory distress of newborn (P22)	16	2.6	*
9	Intrauterine hypoxia and birth asphyxia (P20–P21)	10	1.6	*
9	Neonatal hemorrhage. (P50–P52,P54)	10	1.6	*
9	Necrotizing enterocolitis of newborn (P77)	10	1.6	*
9	Diseases of the circulatory system. (I00–I99)	10	1.6	*
...	All other causes (residual)	177	28.4	80.8

Table 2. Number of infant, neonatal, and postneonatal deaths, percentage of total deaths, and mortality rate for the 10 leading causes of infant death, by race and Hispanic origin and sex: United States, 2022—Con.

[Rates are infant (younger than 1 year), neonatal (younger than 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. People of Hispanic origin may be of any race. Data for Hispanic people are not tabulated separately by race; data for non-Hispanic people are tabulated by race. Data for racial and ethnic groups other than Black non-Hispanic and White non-Hispanic should be interpreted with caution because of inconsistencies between reporting Hispanic origin and race on birth and death certificates. Deaths are based on race and Hispanic origin of decedent; live births are based on race and Hispanic origin of mother. National linked files should be used to measure infant mortality for specific subgroups. An asterisk (*) preceding a cause-of-death code indicates that the code is not included in the *International Classification of Diseases, 10th Revision (ICD-10)*]

Rank ¹	Cause of death (based on ICD-10), race and Hispanic origin, sex, and age group	Number ²	Percent of total deaths ³	Death rate ²
Infant, Asian, non-Hispanic, male				
...	All causes	356	100.0	315.8
1	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	70	19.7	62.1
2	Disorders related to short gestation and low birth weight, not elsewhere classified (P07)	53	14.9	47.0
3	Newborn affected by maternal complications of pregnancy (P01)	40	11.2	35.5
4	Accidents (unintentional injuries) (V01–X59)	20	5.6	17.7
5	Bacterial sepsis of newborn (P36)	19	5.3	*
6	Sudden infant death syndrome (R95)	14	3.9	*
7	Respiratory distress of newborn (P22)	9	2.5	*
8	Newborn affected by complications of placenta, cord and membranes (P02)	8	2.2	*
9	Hematological disorders (P60–P61)	7	2.0	*
9	Necrotizing enterocolitis of newborn (P77)	7	2.0	*
...	All other causes (residual)	109	30.6	96.7
Infant, Asian, non-Hispanic, female				
...	All causes	268	100.0	252.2
1	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	54	20.1	50.8
2	Disorders related to short gestation and low birth weight, not elsewhere classified (P07)	48	17.9	45.2
3	Newborn affected by maternal complications of pregnancy (P01)	29	10.8	27.3
4	Bacterial sepsis of newborn (P36)	12	4.5	*
5	Sudden infant death syndrome (R95)	11	4.1	*
6	Newborn affected by complications of placenta, cord and membranes (P02)	9	3.4	*
7	Respiratory distress of newborn (P22)	7	2.6	*
8	Diseases of the circulatory system (I00–I99)	6	2.2	*
8	Intrauterine hypoxia and birth asphyxia (P20–P21)	6	2.2	*
10	Neonatal hemorrhage (P50–P52,P54)	5	1.9	*
10	Hydrops fetalis not due to hemolytic disease (P83.2)	5	1.9	*
...	All other causes (residual)	76	28.4	71.5
Infant, Black, non-Hispanic, both sexes				
...	All causes	5,800	100.0	1,134.1
1	Disorders related to short gestation and low birth weight, not elsewhere classified (P07)	964	16.6	188.5
2	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	710	12.2	138.8
3	Sudden infant death syndrome (R95)	568	9.8	111.1
4	Accidents (unintentional injuries) (V01–X59)	457	7.9	89.4
5	Newborn affected by maternal complications of pregnancy (P01)	346	6.0	67.7
6	Bacterial sepsis of newborn (P36)	176	3.0	34.4
7	Newborn affected by complications of placenta, cord and membranes (P02)	170	2.9	33.2
8	Respiratory distress of newborn (P22)	136	2.3	26.6
9	Necrotizing enterocolitis of newborn (P77)	112	1.9	21.9
10	Diseases of the circulatory system (I00–I99)	97	1.7	19.0
...	All other causes (residual)	2,064	35.6	403.6

See footnotes at end of table.

Table 2. Number of infant, neonatal, and postneonatal deaths, percentage of total deaths, and mortality rate for the 10 leading causes of infant death, by race and Hispanic origin and sex: United States, 2022—Con.

[Rates are infant (younger than 1 year), neonatal (younger than 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. People of Hispanic origin may be of any race. Data for Hispanic people are not tabulated separately by race; data for non-Hispanic people are tabulated by race. Data for racial and ethnic groups other than Black non-Hispanic and White non-Hispanic should be interpreted with caution because of inconsistencies between reporting Hispanic origin and race on birth and death certificates. Deaths are based on race and Hispanic origin of decedent; live births are based on race and Hispanic origin of mother. National linked files should be used to measure infant mortality for specific subgroups. An asterisk (*) preceding a cause-of-death code indicates that the code is not included in the *International Classification of Diseases, 10th Revision (ICD-10)*]

Rank ¹	Cause of death (based on ICD-10), race and Hispanic origin, sex, and age group	Number ²	Percent of total deaths ³	Death rate ²
Infant, Black, non-Hispanic, male				
...	All causes	3,230	100.0	1,242.4
1	Disorders related to short gestation and low birth weight, not elsewhere classified (P07)	532	16.5	204.6
2	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	359	11.1	138.1
3	Sudden infant death syndrome (R95)	326	10.1	125.4
4	Accidents (unintentional injuries). (V01-X59)	251	7.8	96.5
5	Newborn affected by maternal complications of pregnancy. (P01)	205	6.3	78.9
6	Bacterial sepsis of newborn (P36)	104	3.2	40.0
7	Newborn affected by complications of placenta, cord and membranes (P02)	97	3.0	37.3
8	Respiratory distress of newborn (P22)	72	2.2	27.7
9	Necrotizing enterocolitis of newborn (P77)	63	2.0	24.2
10	Assault (homicide). (*U01,X85-Y09)	57	1.8	21.9
...	All other causes (residual)	1,164	36.0	447.7
Infant, Black, non-Hispanic, female				
...	All causes	2,570	100.0	1,022.1
1	Disorders related to short gestation and low birth weight, not elsewhere classified (P07)	432	16.8	171.8
2	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	351	13.7	139.6
3	Sudden infant death syndrome (R95)	242	9.4	96.2
4	Accidents (unintentional injuries). (V01-X59)	206	8.0	81.9
5	Newborn affected by maternal complications of pregnancy. (P01)	141	5.5	56.1
6	Newborn affected by complications of placenta, cord and membranes (P02)	73	2.8	29.0
7	Bacterial sepsis of newborn (P36)	72	2.8	28.6
8	Respiratory distress of newborn (P22)	64	2.5	25.5
9	Intrauterine hypoxia and birth asphyxia (P20-P21)	49	1.9	19.5
9	Necrotizing enterocolitis of newborn (P77)	49	1.9	19.5
...	All other causes (residual)	891	34.7	354.3
Infant, Native Hawaiian and Other Pacific Islander, non-Hispanic, both sexes				
...	All causes	89	100.0	879.3
1	Sudden infant death syndrome (R95)	11	12.4	*
2	Disorders related to short gestation and low birth weight, not elsewhere classified (P07)	10	11.2	*
2	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	10	11.2	*
4	Bacterial sepsis of newborn (P36)	8	9.0	*
4	Newborn affected by maternal complications of pregnancy. (P01)	8	9.0	*
6	Accidents (unintentional injuries). (V01-X59)	6	6.7	*
7	Intrauterine hypoxia and birth asphyxia (P20-P21)	3	3.4	*
8	Septicemia (A40-A41)	2	2.2	*
8	Newborn affected by complications of placenta, cord and membranes (P02)	2	2.2	*
8	Diseases of the circulatory system. (I00-I99)	2	2.2	*
8	Influenza and pneumonia (J09-J18)	2	2.2	*
8	Necrotizing enterocolitis of newborn (P77)	2	2.2	*
8	Diarrhea and gastroenteritis of infectious origin (A09)	2	2.2	*
...	All other causes (residual)	21	23.6	207.5

Table 2. Number of infant, neonatal, and postneonatal deaths, percentage of total deaths, and mortality rate for the 10 leading causes of infant death, by race and Hispanic origin and sex: United States, 2022—Con.

[Rates are infant (younger than 1 year), neonatal (younger than 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. People of Hispanic origin may be of any race. Data for Hispanic people are not tabulated separately by race; data for non-Hispanic people are tabulated by race. Data for racial and ethnic groups other than Black non-Hispanic and White non-Hispanic should be interpreted with caution because of inconsistencies between reporting Hispanic origin and race on birth and death certificates. Deaths are based on race and Hispanic origin of decedent; live births are based on race and Hispanic origin of mother. National linked files should be used to measure infant mortality for specific subgroups. An asterisk (*) preceding a cause-of-death code indicates that the code is not included in the *International Classification of Diseases, 10th Revision (ICD-10)*]

Rank ¹	Cause of death (based on ICD-10), race and Hispanic origin, sex, and age group	Number ²	Percent of total deaths ³	Death rate ²
Infant, Native Hawaiian and Other Pacific Islander, non-Hispanic, male				
...	All causes	49	100.0	934.6
1	Disorders related to short gestation and low birth weight, not elsewhere classified (P07)	7	14.3	*
2	Sudden infant death syndrome (R95)	6	12.2	*
3	Bacterial sepsis of newborn (P36)	4	8.2	*
3	Newborn affected by maternal complications of pregnancy (P01)	4	8.2	*
5	Accidents (unintentional injuries) (V01–X59)	3	6.1	*
5	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	3	6.1	*
7	Influenza and pneumonia (J09–J18)	2	4.1	*
7	Diseases of the circulatory system (I00–I99)	2	4.1	*
7	Septicemia (A40–A41)	2	4.1	*
7	Intrauterine hypoxia and birth asphyxia (P20–P21)	2	4.1	*
...	All other causes (residual)	14	28.6	*
Infant, Native Hawaiian and Other Pacific Islander, non-Hispanic, female				
...	All causes	40	100.0	819.8
1	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	7	17.5	*
2	Sudden infant death syndrome (R95)	5	12.5	*
3	Bacterial sepsis of newborn (P36)	4	10.0	*
3	Newborn affected by maternal complications of pregnancy (P01)	4	10.0	*
5	Disorders related to short gestation and low birth weight, not elsewhere classified (P07)	3	7.5	*
5	Accidents (unintentional injuries) (V01–X59)	3	7.5	*
7	Newborn affected by complications of placenta, cord and membranes (P02)	2	5.0	*
8	Necrotizing enterocolitis of newborn (P77)	1	2.5	*
8	Complications of medical and surgical care (Y40–Y84)	1	2.5	*
8	Intrauterine hypoxia and birth asphyxia (P20–P21)	1	2.5	*
8	Assault (homicide) (*U01,X85–Y09)	1	2.5	*
8	Slow fetal growth and fetal malnutrition (P05)	1	2.5	*
8	Newborn affected by other maternal conditions which may be unrelated to present pregnancy (P00.1–P00.9)	1	2.5	*
8	Malignant neoplasms (C00–C97)	1	2.5	*
8	Diarrhea and gastroenteritis of infectious origin (A09)	1	2.5	*
...	All other causes (residual)	4	10.0	*
Infant, White, non-Hispanic, both sexes				
...	All causes	8,075	100.0	438.7
1	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	1,772	21.9	96.3
2	Disorders related to short gestation and low birth weight, not elsewhere classified (P07)	957	11.9	52.0
3	Accidents (unintentional injuries) (V01–X59)	580	7.2	31.5
4	Sudden infant death syndrome (R95)	550	6.8	29.9
5	Newborn affected by maternal complications of pregnancy (P01)	396	4.9	21.5
6	Newborn affected by complications of placenta, cord and membranes (P02)	268	3.3	14.6
7	Bacterial sepsis of newborn (P36)	229	2.8	12.4
8	Respiratory distress of newborn (P22)	179	2.2	9.7
9	Neonatal hemorrhage (P50–P52,P54)	153	1.9	8.3
9	Diseases of the circulatory system (I00–I99)	153	1.9	8.3
...	All other causes (residual)	2,838	35.1	154.2

See footnotes at end of table.

Table 2. Number of infant, neonatal, and postneonatal deaths, percentage of total deaths, and mortality rate for the 10 leading causes of infant death, by race and Hispanic origin and sex: United States, 2022—Con.

[Rates are infant (younger than 1 year), neonatal (younger than 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. People of Hispanic origin may be of any race. Data for Hispanic people are not tabulated separately by race; data for non-Hispanic people are tabulated by race. Data for racial and ethnic groups other than Black non-Hispanic and White non-Hispanic should be interpreted with caution because of inconsistencies between reporting Hispanic origin and race on birth and death certificates. Deaths are based on race and Hispanic origin of decedent; live births are based on race and Hispanic origin of mother. National linked files should be used to measure infant mortality for specific subgroups. An asterisk (*) preceding a cause-of-death code indicates that the code is not included in the *International Classification of Diseases, 10th Revision (ICD-10)*]

Rank ¹	Cause of death (based on ICD-10), race and Hispanic origin, sex, and age group	Number ²	Percent of total deaths ³	Death rate ²
Infant, White, non-Hispanic, male				
...	All causes	4,469	100.0	474.0
1	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	908	20.3	96.3
2	Disorders related to short gestation and low birth weight, not elsewhere classified (P07)	503	11.3	53.3
3	Accidents (unintentional injuries) (V01–X59)	345	7.7	36.6
4	Sudden infant death syndrome (R95)	339	7.6	36.0
5	Newborn affected by maternal complications of pregnancy (P01)	222	5.0	23.5
6	Newborn affected by complications of placenta, cord and membranes (P02)	135	3.0	14.3
7	Bacterial sepsis of newborn (P36)	129	2.9	13.7
8	Respiratory distress of newborn (P22)	106	2.4	11.2
9	Neonatal hemorrhage (P50–P52,P54)	87	1.9	9.2
9	Intrauterine hypoxia and birth asphyxia (P20–P21)	87	1.9	9.2
...	All other causes (residual)	1,608	36.0	170.5
Infant, White, non-Hispanic, female				
...	All causes	3,606	100.0	401.6
1	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	864	24.0	96.2
2	Disorders related to short gestation and low birth weight, not elsewhere classified (P07)	454	12.6	50.6
3	Accidents (unintentional injuries) (V01–X59)	235	6.5	26.2
4	Sudden infant death syndrome (R95)	211	5.9	23.5
5	Newborn affected by maternal complications of pregnancy (P01)	174	4.8	19.4
6	Newborn affected by complications of placenta, cord and membranes (P02)	133	3.7	14.8
7	Bacterial sepsis of newborn (P36)	100	2.8	11.1
8	Respiratory distress of newborn (P22)	73	2.0	8.1
9	Diseases of the circulatory system (I00–I99)	72	2.0	8.0
10	Neonatal hemorrhage (P50–P52,P54)	66	1.8	7.4
...	All other causes (residual)	1,224	33.9	136.3
Neonate, all races, all origins, both sexes				
...	All causes	13,125	100.0	357.8
1	Disorders related to short gestation and low birth weight, not elsewhere classified (P07)	2,807	21.4	76.5
2	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	2,739	20.9	74.7
3	Newborn affected by maternal complications of pregnancy (P01)	1,203	9.2	32.8
4	Newborn affected by complications of placenta, cord and membranes (P02)	632	4.8	17.2
5	Bacterial sepsis of newborn (P36)	602	4.6	16.4
6	Respiratory distress of newborn (P22)	442	3.4	12.1
7	Intrauterine hypoxia and birth asphyxia (P20–P21)	346	2.6	9.4
8	Neonatal hemorrhage (P50–P52,P54)	327	2.5	8.9
9	Necrotizing enterocolitis of newborn (P77)	311	2.4	8.5
10	Atelectasis (P28.0–P28.1)	267	2.0	7.3
...	All other causes (residual)	3,449	26.3	94.0

Table 2. Number of infant, neonatal, and postneonatal deaths, percentage of total deaths, and mortality rate for the 10 leading causes of infant death, by race and Hispanic origin and sex: United States, 2022—Con.

[Rates are infant (younger than 1 year), neonatal (younger than 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. People of Hispanic origin may be of any race. Data for Hispanic people are not tabulated separately by race; data for non-Hispanic people are tabulated by race. Data for racial and ethnic groups other than Black non-Hispanic and White non-Hispanic should be interpreted with caution because of inconsistencies between reporting Hispanic origin and race on birth and death certificates. Deaths are based on race and Hispanic origin of decedent; live births are based on race and Hispanic origin of mother. National linked files should be used to measure infant mortality for specific subgroups. An asterisk (*) preceding a cause-of-death code indicates that the code is not included in the *International Classification of Diseases, 10th Revision (ICD-10)*]

Rank ¹	Cause of death (based on ICD-10), race and Hispanic origin, sex, and age group	Number ²	Percent of total deaths ³	Death rate ²
Neonate, all races, all origins, male				
...	All causes	7,130	100.0	380.4
1	Disorders related to short gestation and low birth weight, not elsewhere classified (P07)	1,533	21.5	81.8
2	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	1,361	19.1	72.6
3	Newborn affected by maternal complications of pregnancy (P01)	685	9.6	36.5
4	Bacterial sepsis of newborn (P36)	349	4.9	18.6
5	Newborn affected by complications of placenta, cord and membranes (P02)	338	4.7	18.0
6	Respiratory distress of newborn (P22)	254	3.6	13.6
7	Intrauterine hypoxia and birth asphyxia (P20-P21)	185	2.6	9.9
8	Neonatal hemorrhage (P50-P52,P54)	182	2.6	9.7
9	Necrotizing enterocolitis of newborn (P77)	174	2.4	9.3
10	Atelectasis (P28.0-P28.1)	152	2.1	8.1
...	All other causes (residual)	1,917	26.9	102.3
Neonate, all races, all origins, female				
...	All causes	5,995	100.0	334.3
1	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	1,378	23.0	76.8
2	Disorders related to short gestation and low birth weight, not elsewhere classified (P07)	1,274	21.3	71.0
3	Newborn affected by maternal complications of pregnancy (P01)	518	8.6	28.9
4	Newborn affected by complications of placenta, cord and membranes (P02)	294	4.9	16.4
5	Bacterial sepsis of newborn (P36)	253	4.2	14.1
6	Respiratory distress of newborn (P22)	188	3.1	10.5
7	Intrauterine hypoxia and birth asphyxia (P20-P21)	161	2.7	9.0
8	Neonatal hemorrhage (P50-P52,P54)	145	2.4	8.1
9	Necrotizing enterocolitis of newborn (P77)	137	2.3	7.6
10	Atelectasis (P28.0-P28.1)	115	1.9	6.4
...	All other causes (residual)	1,532	25.6	85.4
Neonate, all races, Hispanic, both sexes				
...	All causes	3,249	100.0	346.6
1	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	809	24.9	86.3
2	Disorders related to short gestation and low birth weight, not elsewhere classified (P07)	663	20.4	70.7
3	Newborn affected by maternal complications of pregnancy (P01)	302	9.3	32.2
4	Bacterial sepsis of newborn (P36)	155	4.8	16.5
5	Newborn affected by complications of placenta, cord and membranes (P02)	135	4.2	14.4
6	Respiratory distress of newborn (P22)	93	2.9	9.9
7	Neonatal hemorrhage (P50-P52,P54)	89	2.7	9.5
8	Intrauterine hypoxia and birth asphyxia (P20-P21)	86	2.6	9.2
9	Necrotizing enterocolitis of newborn (P77)	79	2.4	8.4
10	Atelectasis (P28.0-P28.1)	57	1.8	6.1
...	All other causes (residual)	781	24.0	83.3

See footnotes at end of table.

Table 2. Number of infant, neonatal, and postneonatal deaths, percentage of total deaths, and mortality rate for the 10 leading causes of infant death, by race and Hispanic origin and sex: United States, 2022—Con.

[Rates are infant (younger than 1 year), neonatal (younger than 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. People of Hispanic origin may be of any race. Data for Hispanic people are not tabulated separately by race; data for non-Hispanic people are tabulated by race. Data for racial and ethnic groups other than Black non-Hispanic and White non-Hispanic should be interpreted with caution because of inconsistencies between reporting Hispanic origin and race on birth and death certificates. Deaths are based on race and Hispanic origin of decedent; live births are based on race and Hispanic origin of mother. National linked files should be used to measure infant mortality for specific subgroups. An asterisk (*) preceding a cause-of-death code indicates that the code is not included in the *International Classification of Diseases, 10th Revision (ICD-10)*]

Rank ¹	Cause of death (based on ICD-10), race and Hispanic origin, sex, and age group	Number ²	Percent of total deaths ³	Death rate ²
Neonate, all races, Hispanic, male				
...	All causes	1,741	100.0	364.7
1	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	391	22.5	81.9
2	Disorders related to short gestation and low birth weight, not elsewhere classified (P07)	374	21.5	78.3
3	Newborn affected by maternal complications of pregnancy (P01)	160	9.2	33.5
4	Bacterial sepsis of newborn (P36)	94	5.4	19.7
5	Newborn affected by complications of placenta, cord and membranes (P02)	75	4.3	15.7
6	Respiratory distress of newborn (P22)	53	3.0	11.1
7	Neonatal hemorrhage (P50–P52,P54)	49	2.8	10.3
8	Intrauterine hypoxia and birth asphyxia (P20–P21)	48	2.8	10.1
9	Necrotizing enterocolitis of newborn (P77)	42	2.4	8.8
10	Atelectasis (P28.0–P28.1)	32	1.8	6.7
...	All other causes (residual)	423	24.3	88.6
Neonate, all races, Hispanic, female				
...	All causes	1,508	100.0	327.8
1	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	418	27.7	90.9
2	Disorders related to short gestation and low birth weight, not elsewhere classified (P07)	289	19.2	62.8
3	Newborn affected by maternal complications of pregnancy (P01)	142	9.4	30.9
4	Bacterial sepsis of newborn (P36)	61	4.0	13.3
5	Newborn affected by complications of placenta, cord and membranes (P02)	60	4.0	13.0
6	Respiratory distress of newborn (P22)	40	2.7	8.7
6	Neonatal hemorrhage (P50–P52,P54)	40	2.7	8.7
8	Intrauterine hypoxia and birth asphyxia (P20–P21)	38	2.5	8.3
9	Necrotizing enterocolitis of newborn (P77)	37	2.5	8.0
10	Atelectasis (P28.0–P28.1)	25	1.7	5.4
...	All other causes (residual)	358	23.7	77.8
Neonate, American Indian and Alaska Native, non-Hispanic, both sexes				
...	All causes	125	100.0	486.0
1	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	36	28.8	140.0
2	Disorders related to short gestation and low birth weight, not elsewhere classified (P07)	14	11.2	*
3	Newborn affected by maternal complications of pregnancy (P01)	11	8.8	*
4	Newborn affected by complications of placenta, cord and membranes (P02)	8	6.4	*
5	Sudden infant death syndrome (R95)	5	4.0	*
6	Newborn affected by other complications of labor and delivery (P03)	3	2.4	*
6	Necrotizing enterocolitis of newborn (P77)	3	2.4	*
6	Respiratory distress of newborn (P22)	3	2.4	*
6	Atelectasis (P28.0–P28.1)	3	2.4	*
6	Pulmonary hemorrhage originating in the perinatal period (P26)	3	2.4	*
6	Intrauterine hypoxia and birth asphyxia (P20–P21)	3	2.4	*
...	All other causes (residual)	33	26.4	128.3

Table 2. Number of infant, neonatal, and postneonatal deaths, percentage of total deaths, and mortality rate for the 10 leading causes of infant death, by race and Hispanic origin and sex: United States, 2022—Con.

[Rates are infant (younger than 1 year), neonatal (younger than 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. People of Hispanic origin may be of any race. Data for Hispanic people are not tabulated separately by race; data for non-Hispanic people are tabulated by race. Data for racial and ethnic groups other than Black non-Hispanic and White non-Hispanic should be interpreted with caution because of inconsistencies between reporting Hispanic origin and race on birth and death certificates. Deaths are based on race and Hispanic origin of decedent; live births are based on race and Hispanic origin of mother. National linked files should be used to measure infant mortality for specific subgroups. An asterisk (*) preceding a cause-of-death code indicates that the code is not included in the *International Classification of Diseases, 10th Revision (ICD-10)*]

Rank ¹	Cause of death (based on ICD-10), race and Hispanic origin, sex, and age group	Number ²	Percent of total deaths ³	Death rate ²
Neonate, American Indian and Alaska Native, non-Hispanic, male				
...	All causes	71	100.0	543.5
1	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	19	26.8	*
2	Newborn affected by maternal complications of pregnancy (P01)	8	11.3	*
2	Disorders related to short gestation and low birth weight, not elsewhere classified (P07)	8	11.3	*
4	Newborn affected by complications of placenta, cord and membranes (P02)	4	5.6	*
5	Respiratory distress of newborn (P22)	2	2.8	*
5	Accidents (unintentional injuries) (V01-X59)	2	2.8	*
5	Necrotizing enterocolitis of newborn (P77)	2	2.8	*
5	Pulmonary hemorrhage originating in the perinatal period (P26)	2	2.8	*
5	Sudden infant death syndrome (R95)	2	2.8	*
10	Newborn affected by other maternal conditions which may be unrelated to present pregnancy (P00.1-P00.9)	1	1.4	*
10	Congenital syphilis (A50)	1	1.4	*
10	Gastritis, duodenitis, and noninfective enteritis and colitis (K29,K50-K55)	1	1.4	*
10	Newborn affected by other complications of labor and delivery (P03)	1	1.4	*
10	Slow fetal growth and fetal malnutrition (P05)	1	1.4	*
10	Intrauterine hypoxia and birth asphyxia (P20-P21)	1	1.4	*
10	Interstitial emphysema and related conditions originating in the perinatal period (P25)	1	1.4	*
10	Atelectasis (P28.0-P28.1)	1	1.4	*
10	Neonatal hemorrhage (P50-P52,P54)	1	1.4	*
10	Hydrops fetalis not due to hemolytic disease (P83.2)	1	1.4	*
...	All other causes (residual)	12	16.9	*
Neonate, American Indian and Alaska Native, non-Hispanic, female				
...	All causes	54	100.0	426.6
1	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	17	31.5	*
2	Disorders related to short gestation and low birth weight, not elsewhere classified (P07)	6	11.1	*
3	Newborn affected by complications of placenta, cord and membranes (P02)	4	7.4	*
4	Newborn affected by maternal complications of pregnancy (P01)	3	5.6	*
4	Sudden infant death syndrome (R95)	3	5.6	*
6	Newborn affected by other complications of labor and delivery (P03)	2	3.7	*
6	Atelectasis (P28.0-P28.1)	2	3.7	*
6	Intrauterine hypoxia and birth asphyxia (P20-P21)	2	3.7	*
9	Renal failure and other disorders of kidney (N17-N19,N25,N27)	1	1.9	*
9	Human immunodeficiency virus (HIV) disease (B20-B24)	1	1.9	*
9	Respiratory distress of newborn (P22)	1	1.9	*
9	Pulmonary hemorrhage originating in the perinatal period (P26)	1	1.9	*
9	Bacterial sepsis of newborn (P36)	1	1.9	*
9	Hemolytic disease of newborn due to isoimmunization and other perinatal jaundice (P55-P59)	1	1.9	*
9	Hematological disorders (P60-P61)	1	1.9	*
9	Necrotizing enterocolitis of newborn (P77)	1	1.9	*
9	Hydrops fetalis not due to hemolytic disease (P83.2)	1	1.9	*
9	Neonatal aspiration syndromes (P24)	1	1.9	*
...	All other causes (residual)	5	9.3	*

See footnotes at end of table.

Table 2. Number of infant, neonatal, and postneonatal deaths, percentage of total deaths, and mortality rate for the 10 leading causes of infant death, by race and Hispanic origin and sex: United States, 2022—Con.

[Rates are infant (younger than 1 year), neonatal (younger than 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. People of Hispanic origin may be of any race. Data for Hispanic people are not tabulated separately by race; data for non-Hispanic people are tabulated by race. Data for racial and ethnic groups other than Black non-Hispanic and White non-Hispanic should be interpreted with caution because of inconsistencies between reporting Hispanic origin and race on birth and death certificates. Deaths are based on race and Hispanic origin of decedent; live births are based on race and Hispanic origin of mother. National linked files should be used to measure infant mortality for specific subgroups. An asterisk (*) preceding a cause-of-death code indicates that the code is not included in the *International Classification of Diseases, 10th Revision (ICD-10)*]

Rank ¹	Cause of death (based on ICD-10), race and Hispanic origin, sex, and age group	Number ²	Percent of total deaths ³	Death rate ²
Neonate, Asian, non-Hispanic, both sexes				
...	All causes	439	100.0	200.5
1	Disorders related to short gestation and low birth weight, not elsewhere classified (P07)	98	22.3	44.8
2	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	76	17.3	34.7
3	Newborn affected by maternal complications of pregnancy (P01)	69	15.7	31.5
4	Bacterial sepsis of newborn (P36)	28	6.4	12.8
5	Newborn affected by complications of placenta, cord and membranes (P02)	17	3.9	*
6	Respiratory distress of newborn (P22)	16	3.6	*
7	Intrauterine hypoxia and birth asphyxia (P20-P21)	10	2.3	*
7	Neonatal hemorrhage (P50-P52,P54)	10	2.3	*
9	Hematological disorders (P60-P61)	9	2.1	*
9	Necrotizing enterocolitis of newborn (P77)	9	2.1	*
...	All other causes (residual)	97	22.1	44.3
Neonate, Asian, non-Hispanic, male				
...	All causes	248	100.0	220.0
1	Disorders related to short gestation and low birth weight, not elsewhere classified (P07)	52	21.0	46.1
2	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	41	16.5	36.4
3	Newborn affected by maternal complications of pregnancy (P01)	40	16.1	35.5
4	Bacterial sepsis of newborn (P36)	17	6.9	*
5	Respiratory distress of newborn (P22)	9	3.6	*
6	Newborn affected by complications of placenta, cord and membranes (P02)	8	3.2	*
7	Hematological disorders (P60-P61)	7	2.8	*
7	Necrotizing enterocolitis of newborn (P77)	7	2.8	*
9	Neonatal hemorrhage (P50-P52,P54)	5	2.0	*
10	Intrauterine hypoxia and birth asphyxia (P20-P21)	4	1.6	*
...	All other causes (residual)	58	23.4	51.5
Neonate, Asian, non-Hispanic, female				
...	All causes	191	100.0	179.7
1	Disorders related to short gestation and low birth weight, not elsewhere classified (P07)	46	24.1	43.3
2	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	35	18.3	32.9
3	Newborn affected by maternal complications of pregnancy (P01)	29	15.2	27.3
4	Bacterial sepsis of newborn (P36)	11	5.8	*
5	Newborn affected by complications of placenta, cord and membranes (P02)	9	4.7	*
6	Respiratory distress of newborn (P22)	7	3.7	*
7	Intrauterine hypoxia and birth asphyxia (P20-P21)	6	3.1	*
8	Neonatal hemorrhage (P50-P52,P54)	5	2.6	*
9	Hydrops fetalis not due to hemolytic disease (P83.2)	4	2.1	*
10	Newborn affected by other complications of labor and delivery (P03)	3	1.6	*
...	All other causes (residual)	36	18.8	33.9

See footnotes at end of table.

Table 2. Number of infant, neonatal, and postneonatal deaths, percentage of total deaths, and mortality rate for the 10 leading causes of infant death, by race and Hispanic origin and sex: United States, 2022—Con.

[Rates are infant (younger than 1 year), neonatal (younger than 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. People of Hispanic origin may be of any race. Data for Hispanic people are not tabulated separately by race; data for non-Hispanic people are tabulated by race. Data for racial and ethnic groups other than Black non-Hispanic and White non-Hispanic should be interpreted with caution because of inconsistencies between reporting Hispanic origin and race on birth and death certificates. Deaths are based on race and Hispanic origin of decedent; live births are based on race and Hispanic origin of mother. National linked files should be used to measure infant mortality for specific subgroups. An asterisk (*) preceding a cause-of-death code indicates that the code is not included in the *International Classification of Diseases, 10th Revision (ICD-10)*]

Rank ¹	Cause of death (based on ICD-10), race and Hispanic origin, sex, and age group	Number ²	Percent of total deaths ³	Death rate ²
Neonate, Black, non-Hispanic, both sexes				
...	All causes	3,363	100.0	657.6
1	Disorders related to short gestation and low birth weight, not elsewhere classified (P07)	935	27.8	182.8
2	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	415	12.3	81.1
3	Newborn affected by maternal complications of pregnancy (P01)	343	10.2	67.1
4	Bacterial sepsis of newborn (P36)	168	5.0	32.8
5	Newborn affected by complications of placenta, cord and membranes (P02)	163	4.8	31.9
6	Respiratory distress of newborn (P22)	132	3.9	25.8
7	Necrotizing enterocolitis of newborn (P77)	95	2.8	18.6
8	Intrauterine hypoxia and birth asphyxia (P20-P21)	90	2.7	17.6
9	Atelectasis (P28.0-P28.1)	78	2.3	15.3
10	Neonatal hemorrhage (P50-P52,P54)	64	1.9	12.5
...	All other causes (residual)	880	26.2	172.1
Neonate, Black, non-Hispanic, male				
...	All causes	1,871	100.0	719.7
1	Disorders related to short gestation and low birth weight, not elsewhere classified (P07)	515	27.5	198.1
2	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	211	11.3	81.2
3	Newborn affected by maternal complications of pregnancy (P01)	204	10.9	78.5
4	Bacterial sepsis of newborn (P36)	98	5.2	37.7
5	Newborn affected by complications of placenta, cord and membranes (P02)	94	5.0	36.2
6	Respiratory distress of newborn (P22)	71	3.8	27.3
7	Necrotizing enterocolitis of newborn (P77)	54	2.9	20.8
8	Atelectasis (P28.0-P28.1)	46	2.5	17.7
9	Intrauterine hypoxia and birth asphyxia (P20-P21)	41	2.2	15.8
10	Neonatal hemorrhage (P50-P52,P54)	36	1.9	13.8
...	All other causes (residual)	501	26.8	192.7
Neonate, Black, non-Hispanic, female				
...	All causes	1,492	100.0	593.4
1	Disorders related to short gestation and low birth weight, not elsewhere classified (P07)	420	28.2	167.0
2	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	204	13.7	81.1
3	Newborn affected by maternal complications of pregnancy (P01)	139	9.3	55.3
4	Bacterial sepsis of newborn (P36)	70	4.7	27.8
5	Newborn affected by complications of placenta, cord and membranes (P02)	69	4.6	27.4
6	Respiratory distress of newborn (P22)	61	4.1	24.3
7	Intrauterine hypoxia and birth asphyxia (P20-P21)	49	3.3	19.5
8	Necrotizing enterocolitis of newborn (P77)	41	2.7	16.3
9	Atelectasis (P28.0-P28.1)	32	2.1	12.7
10	Neonatal hemorrhage (P50-P52,P54)	28	1.9	11.1
...	All other causes (residual)	379	25.4	150.7

See footnotes at end of table.

Table 2. Number of infant, neonatal, and postneonatal deaths, percentage of total deaths, and mortality rate for the 10 leading causes of infant death, by race and Hispanic origin and sex: United States, 2022—Con.

[Rates are infant (younger than 1 year), neonatal (younger than 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. People of Hispanic origin may be of any race. Data for Hispanic people are not tabulated separately by race; data for non-Hispanic people are tabulated by race. Data for racial and ethnic groups other than Black non-Hispanic and White non-Hispanic should be interpreted with caution because of inconsistencies between reporting Hispanic origin and race on birth and death certificates. Deaths are based on race and Hispanic origin of decedent; live births are based on race and Hispanic origin of mother. National linked files should be used to measure infant mortality for specific subgroups. An asterisk (*) preceding a cause-of-death code indicates that the code is not included in the *International Classification of Diseases, 10th Revision (ICD-10)*]

Rank ¹	Cause of death (based on ICD-10), race and Hispanic origin, sex, and age group	Number ²	Percent of total deaths ³	Death rate ²
Neonate, Native Hawaiian and Other Pacific Islander, non-Hispanic, both sexes				
...	All causes	46	100.0	454.5
1	Bacterial sepsis of newborn (P36)	8	17.4	*
1	Disorders related to short gestation and low birth weight, not elsewhere classified (P07)	8	17.4	*
1	Newborn affected by maternal complications pregnancy (P01)	8	17.4	*
4	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	5	10.9	*
5	Newborn affected by complications of placenta, cord and membranes (P02)	2	4.3	*
5	Intrauterine hypoxia and birth asphyxia (P20-P21)	2	4.3	*
5	Necrotizing enterocolitis of newborn (P77)	2	4.3	*
5	Sudden infant death syndrome (R95)	2	4.3	*
9	Newborn affected by other maternal conditions which may be unrelated to present pregnancy (P00.1-P00.9)	1	2.2	*
9	Slow fetal growth and fetal malnutrition (P05)	1	2.2	*
9	Newborn affected by noxious influences transmitted via placenta or breast milk (P04)	1	2.2	*
9	Diseases of the circulatory system (I00-I99)	1	2.2	*
9	Hydrops fetalis not due to hemolytic disease (P83.2)	1	2.2	*
...	All other causes (residual)	4	8.7	*
Neonate, Native Hawaiian and Other Pacific Islander, non-Hispanic, male				
...	All causes	21	100.0	400.5
1	Disorders related to short gestation and low birth weight, not elsewhere classified (P07)	5	23.8	*
2	Newborn affected by maternal complications of pregnancy (P01)	4	19.0	*
2	Bacterial sepsis of newborn (P36)	4	19.0	*
4	Diseases of the circulatory system (I00-I99)	1	4.8	*
4	Newborn affected by noxious influences transmitted via placenta or breast milk (P04)	1	4.8	*
4	Intrauterine hypoxia and birth asphyxia (P20-P21)	1	4.8	*
4	Necrotizing enterocolitis of newborn (P77)	1	4.8	*
4	Hydrops fetalis not due to hemolytic disease (P83.2)	1	4.8	*
4	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	1	4.8	*
...	All other causes (residual)	2	9.5	*
Neonate, Native Hawaiian and Other Pacific Islander, non-Hispanic, female				
...	All causes	25	100.0	512.4
1	Newborn affected by maternal complications of pregnancy (P01)	4	16.0	*
1	Bacterial sepsis of newborn (P36)	4	16.0	*
1	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	4	16.0	*
4	Disorders related to short gestation and low birth weight, not elsewhere classified (P07)	3	12.0	*
5	Newborn affected by complications of placenta, cord and membranes (P02)	2	8.0	*
5	Sudden infant death syndrome (R95)	2	8.0	*
7	Newborn affected by other maternal conditions which may be unrelated to present pregnancy (P00.1-P00.9)	1	4.0	*
7	Slow fetal growth and fetal malnutrition (P05)	1	4.0	*
7	Intrauterine hypoxia and birth asphyxia (P20-P21)	1	4.0	*
7	Necrotizing enterocolitis of newborn (P77)	1	4.0	*
...	All other causes (residual)	2	8.0	*

Table 2. Number of infant, neonatal, and postneonatal deaths, percentage of total deaths, and mortality rate for the 10 leading causes of infant death, by race and Hispanic origin and sex: United States, 2022—Con.

[Rates are infant (younger than 1 year), neonatal (younger than 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. People of Hispanic origin may be of any race. Data for Hispanic people are not tabulated separately by race; data for non-Hispanic people are tabulated by race. Data for racial and ethnic groups other than Black non-Hispanic and White non-Hispanic should be interpreted with caution because of inconsistencies between reporting Hispanic origin and race on birth and death certificates. Deaths are based on race and Hispanic origin of decedent; live births are based on race and Hispanic origin of mother. National linked files should be used to measure infant mortality for specific subgroups. An asterisk (*) preceding a cause-of-death code indicates that the code is not included in the *International Classification of Diseases, 10th Revision (ICD-10)*]

Rank ¹	Cause of death (based on ICD-10), race and Hispanic origin, sex, and age group	Number ²	Percent of total deaths ³	Death rate ²
Neonate, White, non-Hispanic, both sexes				
...	All causes	5,255	100.0	285.5
1	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	1,280	24.4	69.5
2	Disorders related to short gestation and low birth weight, not elsewhere classified (P07)	934	17.8	50.7
3	Newborn affected by maternal complications of pregnancy (P01)	390	7.4	21.2
4	Newborn affected by complications of placenta, cord and membranes (P02)	263	5.0	14.3
5	Bacterial sepsis of newborn (P36)	214	4.1	11.6
6	Respiratory distress of newborn (P22)	172	3.3	9.3
7	Neonatal hemorrhage (P50-P52,P54)	152	2.9	8.3
8	Intrauterine hypoxia and birth asphyxia (P20-P21)	140	2.7	7.6
9	Atelectasis (P28.0-P28.1)	116	2.2	6.3
10	Necrotizing enterocolitis of newborn (P77)	110	2.1	6.0
...	All other causes (residual)	1,484	28.2	80.6
Neonate, White, non-Hispanic, male				
...	All causes	2,828	100.0	299.9
1	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	647	22.9	68.6
2	Disorders related to short gestation and low birth weight, not elsewhere classified (P07)	495	17.5	52.5
3	Newborn affected by maternal complications of pregnancy (P01)	218	7.7	23.1
4	Newborn affected by complications of placenta, cord and membranes (P02)	133	4.7	14.1
5	Bacterial sepsis of newborn (P36)	125	4.4	13.3
6	Respiratory distress of newborn (P22)	103	3.6	10.9
7	Neonatal hemorrhage (P50-P52,P54)	86	3.0	9.1
8	Intrauterine hypoxia and birth asphyxia (P20-P21)	81	2.9	8.6
9	Atelectasis (P28.0-P28.1)	64	2.3	6.8
10	Necrotizing enterocolitis of newborn (P77)	59	2.1	6.3
...	All other causes (residual)	817	28.9	86.6
Neonate, White, non-Hispanic, female				
...	All causes	2,427	100.0	270.3
1	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	633	26.1	70.5
2	Disorders related to short gestation and low birth weight, not elsewhere classified (P07)	439	18.1	48.9
3	Newborn affected by maternal complications of pregnancy (P01)	172	7.1	19.2
4	Newborn affected by complications of placenta, cord and membranes (P02)	130	5.4	14.5
5	Bacterial sepsis of newborn (P36)	89	3.7	9.9
6	Respiratory distress of newborn (P22)	69	2.8	7.7
7	Neonatal hemorrhage (P50-P52,P54)	66	2.7	7.4
8	Intrauterine hypoxia and birth asphyxia (P20-P21)	59	2.4	6.6
9	Atelectasis (P28.0-P28.1)	52	2.1	5.8
10	Necrotizing enterocolitis of newborn (P77)	51	2.1	5.7
...	All other causes (residual)	667	27.5	74.3

See footnotes at end of table.

Table 2. Number of infant, neonatal, and postneonatal deaths, percentage of total deaths, and mortality rate for the 10 leading causes of infant death, by race and Hispanic origin and sex: United States, 2022—Con.

[Rates are infant (younger than 1 year), neonatal (younger than 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. People of Hispanic origin may be of any race. Data for Hispanic people are not tabulated separately by race; data for non-Hispanic people are tabulated by race. Data for racial and ethnic groups other than Black non-Hispanic and White non-Hispanic should be interpreted with caution because of inconsistencies between reporting Hispanic origin and race on birth and death certificates. Deaths are based on race and Hispanic origin of decedent; live births are based on race and Hispanic origin of mother. National linked files should be used to measure infant mortality for specific subgroups. An asterisk (*) preceding a cause-of-death code indicates that the code is not included in the *International Classification of Diseases, 10th Revision (ICD-10)*]

Rank ¹	Cause of death (based on ICD-10), race and Hispanic origin, sex, and age group	Number ²	Percent of total deaths ³	Death rate ²
Postneonate, all races, all origins, both sexes				
...	All causes	7,428	100.0	202.5
1	Sudden infant death syndrome (R95)	1,374	18.5	37.5
2	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	1,231	16.6	33.6
3	Accidents (unintentional injuries) (V01-X59)	1,203	16.2	32.8
4	Diseases of the circulatory system (I00-I99)	300	4.0	8.2
5	Assault (homicide) (*U01,X85-Y09)	236	3.2	6.4
6	Chronic respiratory disease originating in the perinatal period (P27)	163	2.2	4.4
7	Influenza and pneumonia (J09-J18)	154	2.1	4.2
8	Diarrhea and gastroenteritis of infectious origin (A09)	135	1.8	3.7
9	Septicemia (A40-A41)	123	1.7	3.4
10	Disorders related to short gestation and low birth weight, not elsewhere classified (P07)	77	1.0	2.1
...	All other causes (residual)	2,432	32.7	66.3
Postneonate, all races, all origins, male				
...	All causes	4,241	100.0	226.3
1	Sudden infant death syndrome (R95)	825	19.5	44.0
2	Accidents (unintentional injuries) (V01-X59)	720	17.0	38.4
3	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	638	15.0	34.0
4	Diseases of the circulatory system (I00-I99)	157	3.7	8.4
5	Assault (homicide) (*U01,X85-Y09)	143	3.4	7.6
6	Chronic respiratory disease originating in the perinatal period (P27)	101	2.4	5.4
7	Influenza and pneumonia (J09-J18)	89	2.1	4.7
8	Diarrhea and gastroenteritis of infectious origin (A09)	79	1.9	4.2
9	Septicemia (A40-A41)	64	1.5	3.4
10	Disorders related to short gestation and low birth weight, not elsewhere classified (P07)	39	0.9	2.1
...	All other causes (residual)	1,386	32.7	73.9
Postneonate, all races, all origins, female				
...	All causes	3,187	100.0	177.7
1	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	593	18.6	33.1
2	Sudden infant death syndrome (R95)	549	17.2	30.6
3	Accidents (unintentional injuries) (V01-X59)	483	15.2	26.9
4	Diseases of the circulatory system (I00-I99)	143	4.5	8.0
5	Assault (homicide) (*U01,X85-Y09)	93	2.9	5.2
6	Influenza and pneumonia (J09-J18)	65	2.0	3.6
7	Chronic respiratory disease originating in the perinatal period (P27)	62	1.9	3.5
8	Septicemia (A40-A41)	59	1.9	3.3
9	Diarrhea and gastroenteritis of infectious origin (A09)	56	1.8	3.1
10	Disorders related to short gestation and low birth weight, not elsewhere classified (P07)	38	1.2	2.1
...	All other causes (residual)	1,046	32.8	58.3

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Table 2. Number of infant, neonatal, and postneonatal deaths, percentage of total deaths, and mortality rate for the 10 leading causes of infant death, by race and Hispanic origin and sex: United States, 2022—Con.

[Rates are infant (younger than 1 year), neonatal (younger than 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. People of Hispanic origin may be of any race. Data for Hispanic people are not tabulated separately by race; data for non-Hispanic people are tabulated by race. Data for racial and ethnic groups other than Black non-Hispanic and White non-Hispanic should be interpreted with caution because of inconsistencies between reporting Hispanic origin and race on birth and death certificates. Deaths are based on race and Hispanic origin of decedent; live births are based on race and Hispanic origin of mother. National linked files should be used to measure infant mortality for specific subgroups. An asterisk (*) preceding a cause-of-death code indicates that the code is not included in the *International Classification of Diseases, 10th Revision (ICD-10)*]

Rank ¹	Cause of death (based on ICD-10), race and Hispanic origin, sex, and age group	Number ²	Percent of total deaths ³	Death rate ²
Postneonate, all races, Hispanic, both sexes				
...	All causes.	1,516	100.0	161.7
1	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	338	22.3	36.1
2	Sudden infant death syndrome (R95)	240	15.8	25.6
3	Accidents (unintentional injuries). (V01-X59)	176	11.6	18.8
4	Diseases of the circulatory system. (I00-I99)	72	4.7	7.7
5	Assault (homicide). (*U01,X85-Y09)	44	2.9	4.7
6	Diarrhea and gastroenteritis of infectious origin (A09)	32	2.1	3.4
7	Influenza and pneumonia. (J09-J18)	29	1.9	3.1
8	Chronic respiratory disease originating in the perinatal period (P27)	26	1.7	2.8
9	Septicemia (A40-A41)	22	1.5	2.3
10	Diseases of the blood and blood-forming organs and certain disorders involving the immune mechanism (D50-D89)	18	1.2	*
...	All other causes (residual)	519	34.2	55.4
Postneonate, all races, Hispanic, male				
...	All causes.	871	100.0	182.4
1	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	170	19.5	35.6
2	Sudden infant death syndrome (R95)	154	17.7	32.3
3	Accidents (unintentional injuries). (V01-X59)	106	12.2	22.2
4	Diseases of the circulatory system. (I00-I99)	41	4.7	8.6
5	Assault (homicide). (*U01,X85-Y09)	22	2.5	4.6
6	Influenza and pneumonia. (J09-J18)	19	2.2	*
7	Diarrhea and gastroenteritis of infectious origin (A09)	17	2.0	*
8	Septicemia (A40-A41)	16	1.8	*
9	Chronic respiratory disease originating in the perinatal period (P27)	15	1.7	*
10	Disorders related to short gestation and low birth weight, not elsewhere classified (P07)	10	1.1	*
...	All other causes (residual)	301	34.6	63.0
Postneonate, all races, Hispanic, female				
...	All causes.	645	100.0	140.2
1	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	168	26.0	36.5
2	Sudden infant death syndrome (R95)	86	13.3	18.7
3	Accidents (unintentional injuries). (V01-X59)	70	10.9	15.2
4	Diseases of the circulatory system. (I00-I99)	31	4.8	6.7
5	Assault (homicide). (*U01,X85-Y09)	22	3.4	4.8
6	Diarrhea and gastroenteritis of infectious origin (A09)	15	2.3	*
7	Chronic respiratory disease originating in the perinatal period (P27)	11	1.7	*
8	Diseases of the blood and blood-forming organs and certain disorders involving the immune mechanism (D50-D89)	10	1.6	*
8	Influenza and pneumonia. (J09-J18)	10	1.6	*
10	Septicemia (A40-A41)	6	0.9	*
10	Disorders related to short gestation and low birth weight, not elsewhere classified (P07)	6	0.9	*
10	Necrotizing enterocolitis of newborn (P77)	6	0.9	*
...	All other causes (residual)	204	31.6	44.3

See footnotes at end of table.

Table 2. Number of infant, neonatal, and postneonatal deaths, percentage of total deaths, and mortality rate for the 10 leading causes of infant death, by race and Hispanic origin and sex: United States, 2022—Con.

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Rank ¹	Cause of death (based on ICD-10), race and Hispanic origin, sex, and age group	Number ²	Percent of total deaths ³	Death rate ²
Postneonate, American Indian and Alaska Native, non-Hispanic, both sexes				
...	All causes	85	100.0	330.5
1	Sudden infant death syndrome (R95)	21	24.7	81.6
2	Accidents (unintentional injuries) (V01–X59)	15	17.6	*
3	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	5	5.9	*
4	Influenza and pneumonia (J09–J18)	4	4.7	*
5	Diseases of the circulatory system (I00–I99)	3	3.5	*
5	Assault (homicide) (*U01,X85–Y09)	3	3.5	*
7	Diarrhea and gastroenteritis of infectious origin (A09)	2	2.4	*
7	Disorders related to short gestation and low birth weight, not elsewhere classified (P07)	2	2.4	*
7	Necrotizing enterocolitis of newborn (P77)	2	2.4	*
10	Septicemia (A40–A41)	1	1.2	*
10	Acute upper respiratory infections (J00–J06)	1	1.2	*
10	Meningitis (G00,G03)	1	1.2	*
10	Bronchitis, chronic and unspecified (J40–J42)	1	1.2	*
10	Hernia of abdominal cavity and intestinal obstruction without hernia (K40–K46,K56)	1	1.2	*
10	Atelectasis (P28.0–P28.1)	1	1.2	*
10	Bacterial sepsis of newborn (P36)	1	1.2	*
...	All other causes (residual)	21	24.7	81.6
Postneonate, American Indian and Alaska Native, non-Hispanic, male				
...	All causes	49	100.0	375.1
1	Sudden infant death syndrome (R95)	12	24.5	*
2	Accidents (unintentional injuries) (V01–X59)	8	16.3	*
3	Influenza and pneumonia (J09–J18)	4	8.2	*
4	Diarrhea and gastroenteritis of infectious origin (A09)	2	4.1	*
4	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	2	4.1	*
6	Acute upper respiratory infections (J00–J06)	1	2.0	*
6	Diseases of the circulatory system (I00–I99)	1	2.0	*
6	Hernia of abdominal cavity and intestinal obstruction without hernia (K40–K46,K56)	1	2.0	*
6	Disorders related to short gestation and low birth weight, not elsewhere classified (P07)	1	2.0	*
6	Atelectasis (P28.0–P28.1)	1	2.0	*
6	Bacterial sepsis of newborn (P36)	1	2.0	*
6	Assault (homicide) (*U01,X85–Y09)	1	2.0	*
...	All other causes (residual)	14	28.6	*
Postneonate, American Indian and Alaska Native, non-Hispanic, female				
...	All causes	36	100.0	284.4
1	Sudden infant death syndrome (R95)	9	25.0	*
2	Accidents (unintentional injuries) (V01–X59)	7	19.4	*
3	Congenital malformations, deformations, and chromosomal abnormalities (Q00–Q99)	3	8.3	*
4	Diseases of the circulatory system (I00–I99)	2	5.6	*
4	Necrotizing enterocolitis of newborn (P77)	2	5.6	*
4	Assault (homicide) (*U01,X85–Y09)	2	5.6	*
7	Septicemia (A40–A41)	1	2.8	*
7	Meningitis (G00,G03)	1	2.8	*
7	Bronchitis, chronic and unspecified (J40–J42)	1	2.8	*
7	Disorders related to short gestation and low birth weight, not elsewhere classified (P07)	1	2.8	*
...	All other causes (residual)	7	19.4	*

Table 2. Number of infant, neonatal, and postneonatal deaths, percentage of total deaths, and mortality rate for the 10 leading causes of infant death, by race and Hispanic origin and sex: United States, 2022—Con.

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Rank ¹	Cause of death (based on ICD-10), race and Hispanic origin, sex, and age group	Number ²	Percent of total deaths ³	Death rate ²
Postneonate, Asian, non-Hispanic, both sexes				
...	All causes	185	100.0	84.5
1	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	48	25.9	21.9
2	Sudden infant death syndrome (R95)	23	12.4	10.5
2	Accidents (unintentional injuries). (V01-X59)	23	12.4	10.5
4	Diseases of the circulatory system. (I00-I99)	8	4.3	*
5	Septicemia (A40-A41)	5	2.7	*
5	Influenza and pneumonia. (J09-J18)	5	2.7	*
7	Diseases of the blood and blood-forming organs and certain disorders involving the immune mechanism (D50-D89)	4	2.2	*
8	Malignant neoplasms. (C00-C97)	3	1.6	*
8	Meningitis (G00,G03)	3	1.6	*
8	Renal failure and other disorders of kidney (N17-N19,N25,N27)	3	1.6	*
8	Disorders related to short gestation and low birth weight, not elsewhere classified (P07)	3	1.6	*
8	Chronic respiratory disease originating in the perinatal period (P27)	3	1.6	*
8	Bacterial sepsis of newborn (P36)	3	1.6	*
8	Assault (homicide). (*U01,X85-Y09)	3	1.6	*
...	All other causes (residual)	48	25.9	21.9
Postneonate, Asian, non-Hispanic, male				
...	All causes	108	100.0	95.8
1	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	29	26.9	25.7
2	Accidents (unintentional injuries). (V01-X59)	19	17.6	*
3	Sudden infant death syndrome (R95)	12	11.1	*
4	Septicemia (A40-A41)	3	2.8	*
4	Diseases of the circulatory system. (I00-I99)	3	2.8	*
4	Influenza and pneumonia. (J09-J18)	3	2.8	*
4	Renal failure and other disorders of kidney (N17-N19,N25,N27)	3	2.8	*
8	Diseases of the blood and blood-forming organs and certain disorders involving the immune mechanism (D50-D89)	2	1.9	*
8	Meningitis (G00,G03)	2	1.9	*
8	Bacterial sepsis of newborn (P36)	2	1.9	*
8	Assault (homicide). (*U01,X85-Y09)	2	1.9	*
8	Chronic respiratory disease originating in the perinatal period (P27)	2	1.9	*
...	All other causes (residual)	26	24.1	23.1

See footnotes at end of table.

Table 2. Number of infant, neonatal, and postneonatal deaths, percentage of total deaths, and mortality rate for the 10 leading causes of infant death, by race and Hispanic origin and sex: United States, 2022—Con.

[Rates are infant (younger than 1 year), neonatal (younger than 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. People of Hispanic origin may be of any race. Data for Hispanic people are not tabulated separately by race; data for non-Hispanic people are tabulated by race. Data for racial and ethnic groups other than Black non-Hispanic and White non-Hispanic should be interpreted with caution because of inconsistencies between reporting Hispanic origin and race on birth and death certificates. Deaths are based on race and Hispanic origin of decedent; live births are based on race and Hispanic origin of mother. National linked files should be used to measure infant mortality for specific subgroups. An asterisk (*) preceding a cause-of-death code indicates that the code is not included in the *International Classification of Diseases, 10th Revision (ICD-10)*]

Rank ¹	Cause of death (based on ICD-10), race and Hispanic origin, sex, and age group	Number ²	Percent of total deaths ³	Death rate ²
Postneonate, Asian, non-Hispanic, female				
...	All causes	77	100.0	72.5
1	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	19	24.7	*
2	Sudden infant death syndrome (R95)	11	14.3	*
3	Diseases of the circulatory system (I00–I99)	5	6.5	*
4	Accidents (unintentional injuries) (V01–X59)	4	5.2	*
5	Septicemia (A40–A41)	2	2.6	*
5	Malignant neoplasms (C00–C97)	2	2.6	*
5	Diseases of the blood and blood-forming organs and certain disorders involving the immune mechanism (D50–D89)	2	2.6	*
5	Influenza and pneumonia (J09–J18)	2	2.6	*
5	Disorders related to short gestation and low birth weight, not elsewhere classified (P07)	2	2.6	*
10	Meningitis (G00,G03)	1	1.3	*
10	Asthma (J45–J46)	1	1.3	*
10	Gastritis, duodenitis, and noninfective enteritis and colitis (K29,K50–K55)	1	1.3	*
10	Chronic respiratory disease originating in the perinatal period (P27)	1	1.3	*
10	Bacterial sepsis of newborn (P36)	1	1.3	*
10	Necrotizing enterocolitis of newborn (P77)	1	1.3	*
10	Hydrops fetalis not due to hemolytic disease (P83.2)	1	1.3	*
10	Assault (homicide) (*U01,X85–Y09)	1	1.3	*
...	All other causes (residual)	20	26.0	18.8
Postneonate, Black, non-Hispanic, both sexes				
...	All causes	2,437	100.0	476.5
1	Sudden infant death syndrome (R95)	521	21.4	101.9
2	Accidents (unintentional injuries) (V01–X59)	418	17.2	81.7
3	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	295	12.1	57.7
4	Diseases of the circulatory system (I00–I99)	85	3.5	16.6
5	Assault (homicide) (*U01,X85–Y09)	77	3.2	15.1
6	Chronic respiratory disease originating in the perinatal period (P27)	65	2.7	12.7
7	Diarrhea and gastroenteritis of infectious origin (A09)	51	2.1	10.0
8	Septicemia (A40–A41)	48	2.0	9.4
9	Influenza and pneumonia (J09–J18)	47	1.9	9.2
10	Disorders related to short gestation and low birth weight, not elsewhere classified (P07)	29	1.2	5.7
...	All other causes (residual)	801	32.9	156.6
Postneonate, Black, non-Hispanic, male				
...	All causes	1,359	100.0	522.7
1	Sudden infant death syndrome (R95)	297	21.9	114.2
2	Accidents (unintentional injuries) (V01–X59)	234	17.2	90.0
3	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	148	10.9	56.9
4	Assault (homicide) (*U01,X85–Y09)	54	4.0	20.8
5	Diseases of the circulatory system (I00–I99)	44	3.2	16.9
6	Chronic respiratory disease originating in the perinatal period (P27)	43	3.2	16.5
7	Diarrhea and gastroenteritis of infectious origin (A09)	27	2.0	10.4
8	Influenza and pneumonia (J09–J18)	25	1.8	9.6
9	Septicemia (A40–A41)	21	1.5	8.1
10	Disorders related to short gestation and low birth weight, not elsewhere classified (P07)	17	1.3	*
...	All other causes (residual)	449	33.0	172.7

Table 2. Number of infant, neonatal, and postneonatal deaths, percentage of total deaths, and mortality rate for the 10 leading causes of infant death, by race and Hispanic origin and sex: United States, 2022—Con.

[Rates are infant (younger than 1 year), neonatal (younger than 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. People of Hispanic origin may be of any race. Data for Hispanic people are not tabulated separately by race; data for non-Hispanic people are tabulated by race. Data for racial and ethnic groups other than Black non-Hispanic and White non-Hispanic should be interpreted with caution because of inconsistencies between reporting Hispanic origin and race on birth and death certificates. Deaths are based on race and Hispanic origin of decedent; live births are based on race and Hispanic origin of mother. National linked files should be used to measure infant mortality for specific subgroups. An asterisk (*) preceding a cause-of-death code indicates that the code is not included in the *International Classification of Diseases, 10th Revision (ICD-10)*]

Rank ¹	Cause of death (based on ICD-10), race and Hispanic origin, sex, and age group	Number ²	Percent of total deaths ³	Death rate ²
Postneonate, Black, non-Hispanic, female				
...	All causes	1,078	100.0	428.7
1	Sudden infant death syndrome (R95)	224	20.8	89.1
2	Accidents (unintentional injuries) (V01-X59)	184	17.1	73.2
3	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	147	13.6	58.5
4	Diseases of the circulatory system (I00-I99)	41	3.8	16.3
5	Septicemia (A40-A41)	27	2.5	10.7
6	Diarrhea and gastroenteritis of infectious origin (A09)	24	2.2	9.5
7	Assault (homicide) (*U01,X85-Y09)	23	2.1	9.1
8	Influenza and pneumonia (J09-J18)	22	2.0	8.7
8	Chronic respiratory disease originating in perinatal period (P27)	22	2.0	8.7
10	Disorders related to short gestation and low birth weight, not elsewhere classified (P07)	12	1.1	*
...	All other causes (residual)	352	32.7	140.0
Postneonate, Native Hawaiian and Other Pacific Islander, non-Hispanic, both sexes				
...	All causes	43	100.0	424.8
1	Sudden infant death syndrome (R95)	9	20.9	*
2	Accidents (unintentional injuries) (V01-X59)	6	14.0	*
3	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	5	11.6	*
4	Diarrhea and gastroenteritis of infectious origin (A09)	2	4.7	*
4	Septicemia (A40-A41)	2	4.7	*
4	Influenza and pneumonia (J09-J18)	2	4.7	*
4	Disorders related to short gestation and low birth weight, not elsewhere classified (P07)	2	4.7	*
8	Malignant neoplasms (C00-C97)	1	2.3	*
8	Diseases of the circulatory system (I00-I99)	1	2.3	*
8	Intrauterine hypoxia and birth asphyxia (P20-P21)	1	2.3	*
8	Assault (homicide) (*U01,X85-Y09)	1	2.3	*
8	Complications of medical and surgical care (Y40-Y84)	1	2.3	*
...	All other causes (residual)	10	23.3	*
Postneonate, Native Hawaiian and Other Pacific Islander, non-Hispanic, male				
...	All causes	28	100.0	534.0
1	Sudden infant death syndrome (R95)	6	21.4	*
2	Accidents (unintentional injuries) (V01-X59)	3	10.7	*
3	Septicemia (A40-A41)	2	7.1	*
3	Influenza and pneumonia (J09-J18)	2	7.1	*
3	Disorders related to short gestation and low birth weight, not elsewhere classified (P07)	2	7.1	*
3	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	2	7.1	*
7	Diarrhea and gastroenteritis of infectious origin (A09)	1	3.6	*
7	Diseases of the circulatory system (I00-I99)	1	3.6	*
7	Intrauterine hypoxia and birth asphyxia (P20-P21)	1	3.6	*
...	All other causes (residual)	8	28.6	*
Postneonate, Native Hawaiian and Other Pacific Islander, non-Hispanic, female				
...	All causes	15	100.0	*
1	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	3	20.0	*
1	Sudden infant death syndrome (R95)	3	20.0	*
1	Accidents (unintentional injuries) (V01-X59)	3	20.0	*
4	Diarrhea and gastroenteritis of infectious origin (A09)	1	6.7	*
4	Malignant neoplasms (C00-C97)	1	6.7	*
4	Assault (homicide) (*U01,X85-Y09)	1	6.7	*
4	Complications of medical and surgical care (Y40-Y84)	1	6.7	*
...	All other causes (residual)	2	13.3	*

See footnotes at end of table.

Table 2. Number of infant, neonatal, and postneonatal deaths, percentage of total deaths, and mortality rate for the 10 leading causes of infant death, by race and Hispanic origin and sex: United States, 2022—Con.

[Rates are infant (younger than 1 year), neonatal (younger than 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. People of Hispanic origin may be of any race. Data for Hispanic people are not tabulated separately by race; data for non-Hispanic people are tabulated by race. Data for racial and ethnic groups other than Black non-Hispanic and White non-Hispanic should be interpreted with caution because of inconsistencies between reporting Hispanic origin and race on birth and death certificates. Deaths are based on race and Hispanic origin of decedent; live births are based on race and Hispanic origin of mother. National linked files should be used to measure infant mortality for specific subgroups. An asterisk (*) preceding a cause-of-death code indicates that the code is not included in the *International Classification of Diseases, 10th Revision (ICD-10)*]

Rank ¹	Cause of death (based on ICD-10), race and Hispanic origin, sex, and age group	Number ²	Percent of total deaths ³	Death rate ²
Postneonate, White, non-Hispanic, both sexes				
...	All causes	2,820	100.0	153.2
1	Accidents (unintentional injuries) (V01–X59)	503	17.8	27.3
2	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	492	17.4	26.7
3	Sudden infant death syndrome (R95)	489	17.3	26.6
4	Diseases of the circulatory system (I00–I99)	125	4.4	6.8
5	Assault (homicide) (*U01,X85–Y09)	92	3.3	5.0
6	Chronic respiratory disease originating in the perinatal period (P27)	60	2.1	3.3
7	Influenza and pneumonia (J09–J18)	55	2.0	3.0
8	Septicemia (A40–A41)	40	1.4	2.2
9	Diarrhea and gastroenteritis of infectious origin (A09)	39	1.4	2.1
10	Disorders related to short gestation and low birth weight, not elsewhere classified (P07)	23	0.8	1.2
...	All other causes (residual)	902	32.0	49.0
Postneonate, White, non-Hispanic, male				
...	All causes	1,641	100.0	174.0
1	Sudden infant death syndrome (R95)	308	18.8	32.7
2	Accidents (unintentional injuries) (V01–X59)	307	18.7	32.6
3	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	261	15.9	27.7
4	Diseases of the circulatory system (I00–I99)	65	4.0	6.9
5	Assault (homicide) (*U01,X85–Y09)	56	3.4	5.9
6	Chronic respiratory disease originating in the perinatal period (P27)	37	2.3	3.9
7	Influenza and pneumonia (J09–J18)	29	1.8	3.1
8	Diarrhea and gastroenteritis of infectious origin (A09)	26	1.6	2.8
9	Septicemia (A40–A41)	20	1.2	2.1
10	Anoxic brain damage, not elsewhere classified (G93.1)	15	0.9	*
...	All other causes (residual)	517	31.5	54.8
Postneonate, White, non-Hispanic, female				
...	All causes	1,179	100.0	131.3
1	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	231	19.6	25.7
2	Accidents (unintentional injuries) (V01–X59)	196	16.6	21.8
3	Sudden infant death syndrome (R95)	181	15.4	20.2
4	Diseases of the circulatory system (I00–I99)	60	5.1	6.7
5	Assault (homicide) (*U01,X85–Y09)	36	3.1	4.0
6	Influenza and pneumonia (J09–J18)	26	2.2	2.9
7	Chronic respiratory disease originating in the perinatal period (P27)	23	2.0	2.6
8	Septicemia (A40–A41)	20	1.7	2.2
9	Disorders related to short gestation and low birth weight, not elsewhere classified (P07)	15	1.3	*
10	Malignant neoplasms (C00–C97)	14	1.2	*
...	All other causes (residual)	377	32.0	42.0

... Category not applicable.

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

¹Based on number of deaths.

²Percentages may not add to 100 because of rounding.

³Data for two or more races and origin not stated are included in "All races, all 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 data file.

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 2022 and processed by the National Center for Health Statistics (NCHS) through the Vital Statistics Cooperative Program. For details about the nature and sources of data, revision of the U.S. Standard Certificate of Death, and terrorism-related deaths, see Technical Notes of the companion report, “Deaths: Final Data for 2022” (5). The mortality statistics in this report include deaths for U.S. residents only.

Cause-of-death classification

The mortality statistics presented in this report were compiled according to World Health Organization regulations, which specify that member nations classify and code causes of death according to the current revision of the *International Statistical Classification of Diseases and Related Health Problems* (ICD). ICD provides the basic guidance used in virtually all countries to code and classify causes of death. Effective with deaths occurring in 1999, the United States began using the 10th revision of this classification (ICD–10) (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* (8,24–28). 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 according to World Health Organization 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) (28), multiple-cause codes serve as inputs to computer software that use World Health Organization 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. Additionally, NCHS developed two computer systems as inputs to ACME. Beginning with 1990 data, the Mortality Medical Indexing, Classification, and Retrieval (MICAR) system (29,30) was introduced to automate coding multiple causes of death. MICAR also 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 (31). SuperMICAR allows for literal entry of the multiple-cause-of-death text as reported by the certifier. This information is then processed automatically by MICAR and ACME. Records that cannot be processed automatically by MICAR are manually coded for multiple cause and then further processed through ACME to

determine underlying cause. In 2021, 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 the World Health Organization 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 (32–34).

Coding changes in 2022

Effective with data year 2020, code U07.1 COVID-19 was added to ICD–10 as a new, valid underlying cause-of-death code. See more information on COVID-19 as a cause of death in the COVID-19 section that follows. In 2022, no codes were added or deleted from the list of valid underlying cause-of-death codes. Information on the addition of U07.1 and codes added or deleted in previous years is available from: <https://www.cdc.gov/nchs/data/dvs/Part9InstructionManual2020-508.pdf> (5,8).

COVID-19

COVID-19 (code U07.1 in ICD’s 10th revision) became an official new cause of death in 2020 after the first death from COVID-19 was reported in the United States (5,8). For people older than 1 year, COVID-19 was added as a rankable cause of death. For infants (younger than 1 year), COVID-19 was added to the cause-of-death category “Other and unspecified viral diseases” but is not considered a separate rankable cause.

Deaths assigned to COVID-19 may not reflect all deaths directly or indirectly due to COVID-19 because some deaths due to COVID-19 may not have been diagnosed, especially early in the pandemic, and some deaths may have been assigned to another coexisting condition. COVID-19 data in this report do not include deaths where COVID-19 may have been reported as a contributing cause but was not considered to be the underlying cause of death. For additional coding detail and guidelines, see: <https://www.cdc.gov/nchs/covid19/coding-and-reporting.htm>.

Age

Decedents for whom age was not stated are included in total categories for “all ages” but are not distributed across age groups. Age was not stated for 103 decedents in 2022, 0.003% of all deaths. Age information was stated for all infants in 2022.

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 people include all people of Hispanic origin of any race. In 2022, death records with race not stated or not classifiable (0.3% of all records) were imputed to one of the five single-race categories by assigning the record a single-race value based on the last single-race record processed. Records with Hispanic origin not stated or not classifiable were not imputed and accounted for 0.3% of all records.

For more details about race and Hispanic origin, including changes in the standards for classifying race and ethnicity, race bridging of deaths, the full implementation of the revised death certificate consistent with 1997 Office of Management and Budget standards beginning with 2018 mortality data, and the quality of reporting on death certificates and surveys, see Technical Notes of “Deaths: Final Data for 2022” (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 1.1%, and the percentage of live births to mothers of unknown origin was 1.0% for the United States in 2022 (5,35). Infant mortality rates by specified race and Hispanic origin are more accurate when based on the linked file of infant deaths and live births (23). 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 2022” (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. Population estimates for 2022 are estimated as of July 1, 2022, based on the blended base produced by the U.S. Census Bureau instead of the April 1, 2020, decennial population count. The blended base consists of the blend of Vintage 2020 postcensal population estimates, 2020 Demographic Analysis estimates, and 2020 Census PL 94-171 Redistricting File (see: <https://www2.census.gov/programs-surveys/popest/technical-documentation/methodology/2020-2022/methods-statement-v2022.pdf>). The single-race estimates based on the 1997 Office of Management and Budget standards are available directly from 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 Office of Management and Budget standards as of data year 2018, see “Deaths: Final Data for 2022” (5).

Single-race population estimates used for this report are shown by race and Hispanic origin, sex, and age in the [Table](#). The estimation procedures used to develop these populations are subject to error. Smaller populations (for example, American Indian and 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 noted 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 2022” (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 taken 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. Despite this, 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. More detailed discussion of random variation and formulas for calculating standard errors for death rates and infant mortality rates are available elsewhere (5).

Table. Estimated population, by age group, race and Hispanic origin, and sex: United States, July 1, 2022

[Populations are postcensal estimates based on the blended base produced by the U.S. Census Bureau in place of the April 1, 2020, decennial population count. The blended base consists of vintage 2020 population estimates for April 1, 2020 (based on the April 1, 2010, decennial census), blended with 2022 Demographic Analysis estimates and the 2022 Census Edited File. For details, see <https://www2.census.gov/programs-surveys/popest/technical-documentation/methodology/2020-2022/methods-statement-v2022.pdf> and Technical Notes in this report]

Race and Hispanic origin and sex	Age group (years)														
	All ages	Younger than 1 year	1-4	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65 and older	65-74	75-84	85 and older
Total ¹	333,287,557	3,683,113	14,855,240	20,009,195	20,889,839	21,635,792	22,705,779	45,501,300	43,695,365	40,431,645	42,085,437	57,794,852	33,788,439	17,520,545	6,485,868
Male	165,283,553	1,882,867	7,592,228	10,231,946	10,701,853	11,082,043	11,601,988	23,189,562	22,120,189	20,279,630	20,671,903	25,929,344	15,910,672	7,734,845	2,283,827
Female	168,004,004	1,800,246	7,263,012	9,777,249	10,187,986	10,553,749	11,103,791	22,311,738	21,575,176	20,152,015	21,413,534	31,865,508	17,877,767	9,785,700	4,202,041
Hispanic ²	63,664,346	998,052	3,914,409	5,138,033	5,425,312	5,448,278	5,348,842	9,707,650	9,066,900	7,673,597	5,658,104	5,285,169	3,269,070	1,475,743	540,356
Male	32,276,938	508,033	1,993,334	2,617,863	2,772,306	2,789,251	2,736,364	5,027,136	4,752,831	3,924,251	2,823,128	2,332,441	1,522,584	621,780	188,077
Female	31,387,408	490,019	1,921,075	2,520,170	2,653,006	2,659,027	2,612,478	4,680,514	4,314,069	3,749,346	2,834,976	2,952,728	1,746,486	853,963	352,279
Non-Hispanic, single race ³ :															
American Indian and Alaska Native	2,420,972	25,196	106,731	156,510	170,252	176,542	186,474	370,427	313,321	277,234	292,846	345,439	214,361	98,025	33,053
Male	1,197,400	12,864	54,375	79,942	86,677	89,741	94,788	188,650	157,094	137,481	140,228	155,560	99,031	44,050	12,479
Female	1,223,572	12,332	52,356	76,568	83,575	86,801	91,686	181,777	156,227	139,753	152,618	189,879	115,330	53,975	20,574
Asian	20,276,025	203,944	848,949	1,174,461	1,119,771	1,158,864	1,308,563	3,210,978	3,301,564	2,845,207	2,248,868	2,854,856	1,692,813	827,244	334,799
Male	9,769,094	105,289	437,706	605,005	573,927	586,389	659,228	1,588,679	1,584,495	1,346,886	1,046,322	1,235,168	750,300	360,696	124,172
Female	10,506,931	98,655	411,243	569,456	545,844	572,475	649,335	1,622,299	1,717,069	1,498,321	1,202,546	1,619,688	942,513	466,548	210,627
Black	42,070,471	543,753	2,113,785	2,748,687	2,887,521	2,930,236	3,160,578	6,561,025	5,631,165	5,040,591	4,997,564	5,455,566	3,469,908	1,476,815	508,843
Male	20,226,190	275,945	1,070,946	1,391,158	1,467,625	1,484,723	1,592,836	3,284,340	2,722,901	2,389,178	2,321,954	2,224,584	1,501,707	572,828	150,049
Female	21,844,281	267,808	1,042,839	1,357,529	1,419,896	1,445,513	1,567,742	3,276,685	2,908,264	2,651,413	2,675,610	3,230,982	1,968,201	903,987	358,794
Native Hawaiian and Other Pacific Islander	635,928	8,088	33,904	45,585	43,315	44,194	44,988	100,018	99,182	76,472	67,863	72,319	45,509	19,959	6,851
Male	321,585	4,200	17,524	23,316	22,065	22,497	23,187	51,372	51,088	38,920	33,604	33,812	21,790	9,311	2,711
Female	314,343	3,888	16,380	22,269	21,250	21,697	21,801	48,646	48,094	37,552	34,259	38,507	23,719	10,648	4,140
White	196,225,966	1,707,800	7,061,704	9,751,038	10,285,750	11,027,468	11,892,505	24,386,592	24,515,598	23,965,135	28,363,370	43,269,006	24,782,192	13,477,685	5,009,129
Male	97,521,380	876,488	3,622,083	5,005,982	5,289,325	5,676,512	6,108,424	12,469,589	12,486,373	12,180,671	14,090,163	19,715,770	11,868,014	6,061,410	1,786,346
Female	98,704,586	831,312	3,439,621	4,745,056	4,996,425	5,350,956	5,784,081	11,917,003	12,029,225	11,784,464	14,273,207	23,553,236	12,914,178	7,416,275	3,222,783

¹Includes origin not stated, origin not classifiable, and two or more races reported; see Technical Notes.

²Includes people of Hispanic origin of any race.

³Only one race was reported on the death certificate.

SOURCE: National Center for Health Statistics, estimates as of July 1, 2022, for U.S. resident population by age, sex, race, and Hispanic origin, prepared by U.S. Census Bureau, 2024.

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