

Deaths: Leading Causes for 2008

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Abstract

Objectives—This report presents final 2008 data on the 10 leading causes of death in the United States by age, sex, race, and Hispanic origin. Leading causes of infant, neonatal, and postneonatal death are also presented. This report supplements the Division of Vital Statistics' annual report of final mortality statistics.

Methods—Data in this report are based on information from all death certificates filed in the 50 states and the District of Columbia in 2008. Causes of death classified by the *International Classification of Diseases, Tenth Revision* (ICD-10) are ranked according to the number of deaths assigned to rankable causes. Cause-of-death statistics are based on the underlying cause of death.

Results—In 2008, the 10 leading causes of death were, in rank order: Diseases of heart; Malignant neoplasms; Chronic lower respiratory diseases; Cerebrovascular diseases; Accidents (unintentional injuries); Alzheimer's disease; Diabetes mellitus; Influenza and pneumonia; Nephritis, nephrotic syndrome and nephrosis; and Intentional self-harm (suicide). They accounted for approximately 76 percent of all deaths occurring in the United States. Differences in the rankings are evident by age, sex, race, and Hispanic origin. Leading causes of infant death for 2008 were, in rank order: Congenital malformations, deformations and chromosomal abnormalities; Disorders related to short gestation and low birth weight, not elsewhere classified; Sudden infant death syndrome; Newborn affected by maternal complications of pregnancy; Accidents (unintentional injuries); Newborn affected by complications of placenta, cord and membranes; Bacterial sepsis of newborn; Respiratory distress of newborn; Diseases of the circulatory system; and Neonatal hemorrhage. Important variations in the leading causes of infant death are noted for the neonatal and postneonatal periods.

Keywords: mortality • leading causes of death • vital statistics • ICD-10

Introduction

Ranking causes of death is a popular method of presenting mortality statistics. Leading cause-of-death data have been published since 1952 (beginning with 1949 mortality data) when official tabulations ranking causes of death were first introduced (1). Users of this method of presentation should be aware of its inherent limitations. Ranking causes of death is to some extent an arbitrary procedure. The rank order of any particular cause of death will depend on the list of causes from which the selection is made and on the rules applied in making the selection. Different cause lists and ranking rules will typically produce different leading causes of death. Recognizing the need for a consistent ranking procedure to be used by state health departments and the National Office of Vital Statistics, in 1951 the Public Health Conference on Records and Statistics recommended that state and federal agencies responsible for identifying diseases of public health importance adopt a uniform ranking procedure using a standard list of causes of death (2). The procedures implemented in 1952 are essentially the same as those currently used by the Centers for Disease Control and Prevention's National Center for Health Statistics (NCHS); however, the cause-of-death lists have been expanded and altered over time with each subsequent revision of the *International Classification of Diseases* (ICD). Cause-of-death data are based on the underlying cause of death.

Cause-of-death ranking is a useful tool for illustrating the relative burden of cause-specific mortality. However, it should be used with a clear understanding of what the rankings mean. Literally, the rankings denote the most frequently occurring causes of death among those causes eligible to be ranked. Rankings do not illustrate cause-specific mortality risk or absolute burden as depicted by mortality rates. The rank of a specific cause (i.e., its mortality burden relative to other causes) may decline over time even if its mortality rate has not changed, or its rank may remain the same over time even if its mortality rate is on the decline.

It is also important to note that rankings do not necessarily denote the causes of death of greatest public health importance. Some causes of death of public health import are excluded from the ranking procedure. For example, Malignant neoplasms of the trachea, bronchus and lung (lung cancer) and Motor vehicle accidents are not rankable causes of death (see “Procedures for ranking causes of death”), although they can be identified using the standard mortality tabulation lists. If these causes were included in the current rankings, both would be placed among the 10 leading causes of death—lung cancer would rank 3rd and Motor vehicle accidents would rank 10th. However, each of these is subsumed in broader rankable categories, namely, Malignant neoplasms and Accidents (unintentional injuries), respectively. Although not perfectly suitable in all circumstances, the current framework provides a rankable list of causes of death that has broad appeal and acceptance in the general public health community.

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

This report presents final 2008 data on leading causes of death in the United States by age, sex, race, and Hispanic origin. These data accompany the release of final national mortality statistics for 2008, which are presented in a separate report (3). Further detail beyond that published in this report is provided in leading-cause work tables available from: http://www.cdc.gov/nchs/nvss/mortality_tables.htm. Also presented in this report is the procedure used by NCHS to rank causes of death, along with tables showing causes that are designated as rankable.

Data and Methods

Data

Data in this report are based on information from all death certificates filed in the 50 states and the District of Columbia in 2008. Death certificates are generally completed by funeral directors, attending physicians, medical examiners, and coroners. Cause-of-death statistics for 2008 presented in this report are classified in accordance with the 10th revision of the ICD (ICD–10) (4). Discussions of the cause-of-death classification and coding-rule changes in data year 2008 are provided in the “Technical Notes.”

Procedures for ranking causes of death

The procedures used by NCHS for ranking causes of death are consistent with the recommendations of the 1951 Public Health Conference on Records and Statistics (2). Causes are ranked according to the number of deaths assigned to rankable causes. The number of deaths is used as the ranking criterion because it most accurately reflects the frequency of cause-specific mortality. Although crude death rates could technically be used as the ranking criterion

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

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

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

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

Age groupings

Leading causes of death for those aged 1 year and over are presented in [Tables 1](#) and [2](#) for the following age categories: 1–4, 5–9, 10–14, 15–19, 20–24, 25–34, 35–44, 45–54, 55–64, 65 and over, 65–74, 75–84, and 85 and over. This set of age categories was created in response to an increasing number of requests from data users for more age detail and represents a substantial expansion

Table A. List of 113 selected causes of death and Enterocolitis due to *Clostridium difficile*

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

Number ¹	Cause of death (based on ICD-10, 2004)
1#	Salmonella infections (A01-A02)
2#	Shigellosis and amebiasis (A03,A06)
3	Certain other intestinal infections (A04,A07-A09)
#	Tuberculosis (A16-A19)
4	Respiratory tuberculosis (A16)
5	Other tuberculosis (A17-A19)
6#	Whooping cough (A37)
7#	Scarlet fever and erysipelas (A38,A46)
8#	Meningococcal infection (A39)
9#	Septicemia (A40-A41)
10#	Syphilis (A50-A53)
11#	Acute poliomyelitis (A80)
12#	Arthropod-borne viral encephalitis (A83-A84,A85.2)
13#	Measles (B05)
14#	Viral hepatitis (B15-B19)
15#	Human immunodeficiency virus (HIV) disease (B20-B24)
16#	Malaria (B50-B54)
17	Other and unspecified infectious and parasitic diseases and their sequelae (A00,A05,A20-A36,A42-A44,A48-A49,A54-A79, A81-A82,A85.0-A85.1,A85.8,A86-B04,B06-B09,B25-B49,B55-B99)
#	Malignant neoplasms (C00-C97)
18	Malignant neoplasms of lip, oral cavity and pharynx (C00-C14)
19	Malignant neoplasm of esophagus (C15)
20	Malignant neoplasm of stomach (C16)
21	Malignant neoplasms of colon, rectum and anus (C18-C21)
22	Malignant neoplasms of liver and intrahepatic bile ducts (C22)
23	Malignant neoplasm of pancreas (C25)
24	Malignant neoplasm of larynx (C32)
25	Malignant neoplasms of trachea, bronchus and lung (C33-C34)
26	Malignant melanoma of skin (C43)
27	Malignant neoplasm of breast (C50)
28	Malignant neoplasm of cervix uteri (C53)
29	Malignant neoplasms of corpus uteri and uterus, part unspecified (C54-C55)
30	Malignant neoplasm of ovary (C56)
31	Malignant neoplasm of prostate (C61)
32	Malignant neoplasms of kidney and renal pelvis (C64-C65)
33	Malignant neoplasm of bladder (C67)
34	Malignant neoplasms of meninges, brain and other parts of central nervous system (C70-C72)
	Malignant neoplasms of lymphoid, hematopoietic and related tissue (C81-C96)
35	Hodgkin's disease (C81)
36	Non-Hodgkin's lymphoma (C82-C85)
37	Leukemia (C91-C95)
38	Multiple myeloma and immunoproliferative neoplasms (C88,C90)
39	Other and unspecified malignant neoplasms of lymphoid, hematopoietic and related tissue (C96)
40	All other and unspecified malignant neoplasms (C17,C23-C24,C26-C31,C37-C41,C44-C49, C51-C52,C57-C60,C62-C63,C66,C68-C69,C73-C80,C97)
41#	In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior (D00-D48)
42#	Anemias (D50-D64)
43#	Diabetes mellitus (E10-E14)
#	Nutritional deficiencies (E40-E64)
44	Malnutrition (E40-E46)
45	Other nutritional deficiencies (E50-E64)
46#	Meningitis (G00,G03)
47#	Parkinson's disease (G20-G21)
48#	Alzheimer's disease (G30)
	Major cardiovascular diseases (I00-I78)
#	Diseases of heart (I00-I09,I11,I13,I20-I51)
49	Acute rheumatic fever and chronic rheumatic heart diseases (I00-I09)
50	Hypertensive heart disease (I11)
51	Hypertensive heart and renal disease (I13)
	Ischemic heart diseases (I20-I25)
52	Acute myocardial infarction (I21-I22)

See footnotes at end of table.

Table A. List of 113 selected causes of death and Enterocolitis due to *Clostridium difficile*—Con.

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

Number ¹	Cause of death (based on ICD-10, 2004)
53	Other acute ischemic heart diseases (I24)
	Other forms of chronic ischemic heart disease (I20,I25)
54	Atherosclerotic cardiovascular disease, so described (I25.0)
55	All other forms of chronic ischemic heart disease (I20,I25.1–I25.9)
	Other heart diseases (I26–I51)
56	Acute and subacute endocarditis (I33)
57	Diseases of pericardium and acute myocarditis (I30–I31,I40)
58	Heart failure (I50)
59	All other forms of heart disease (I26–I28,I34–I38,I42–I49,I51)
60#	Essential hypertension and hypertensive renal disease (I10,I12,I15)
61#	Cerebrovascular diseases (I60–I69)
62#	Atherosclerosis (I70)
	Other diseases of circulatory system (I71–I78)
63#	Aortic aneurysm and dissection (I71)
64	Other diseases of arteries, arterioles and capillaries (I72–I78)
65	Other disorders of circulatory system (I80–I99)
#	Influenza and pneumonia (J09–J18) ²
66	Influenza (J09–J11) ²
67	Pneumonia (J12–J18)
	Other acute lower respiratory infections (J20–J22,U04) ³
68#	Acute bronchitis and bronchiolitis (J20–J21)
69	Other and unspecified acute lower respiratory infection (J22,U04) ^{3,4}
#	Chronic lower respiratory diseases (J40–J47)
70	Bronchitis, chronic and unspecified (J40–J42)
71	Emphysema (J43)
72	Asthma (J45–J46)
73	Other chronic lower respiratory diseases (J44,J47)
74#	Pneumoconioses and chemical effects (J60–J66,J68)
75#	Pneumonitis due to solids and liquids (J69)
76	Other diseases of respiratory system (J00–J06,J30–J39,J67,J70–J98)
77#	Peptic ulcer (K25–K28)
78#	Diseases of appendix (K35–K38)
79#	Hernia (K40–K46)
#	Chronic liver disease and cirrhosis (K70,K73–K74)
80	Alcoholic liver disease (K70)
81	Other chronic liver disease and cirrhosis (K73–K74)
82#	Cholelithiasis and other disorders of gallbladder (K80–K82)
#	Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27)
83	Acute and rapidly progressive nephritic and nephrotic syndrome (N00–N01,N04)
84	Chronic glomerulonephritis, nephritis and nephropathy not specified as acute or chronic, and renal sclerosis unspecified (N02–N03,N05–N07,N26)
85	Renal failure (N17–N19)
86	Other disorders of kidney (N25,N27)
87#	Infections of kidney (N10–N12,N13.6,N15.1)
88#	Hyperplasia of prostate (N40)
89#	Inflammatory diseases of female pelvic organs (N70–N76)
#	Pregnancy, childbirth and the puerperium (O00–O99)
90	Pregnancy with abortive outcome (O00–O07)
91	Other complications of pregnancy, childbirth and the puerperium (O10–O99)
92#	Certain conditions originating in the perinatal period (P00–P96)
93#	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)
94	Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified (R00–R99)
95	All other diseases (residual)
#	Accidents (unintentional injuries) (V01–X59,Y85–Y86)
	Transport accidents (V01–V99,Y85)
96	Motor vehicle accidents (V02–V04,V09.0,V09.2,V12–V14,V19.0–V19.2,V19.4–V19.6,V20–V79,V80.3–V80.5,V81.0–V81.1, V82.0–V82.1,V83–V86,V87.0–V87.8,V88.0–V88.8,V89.0,V89.2)
97	Other land transport accidents (V01,V05–V06,V09.1,V09.3–V09.9,V10–V11,V15–V18,V19.3,V19.8–V19.9, V80.0–V80.2,V80.6–V80.9,V81.2–V81.9,V82.2–V82.9,V87.9,V88.9,V89.1,V89.3,V89.9)
98	Water, air and space, and other and unspecified transport accidents and their sequelae (V90–V99,Y85)
	Nontransport accidents (W00–X59,Y86)
99	Falls (W00–W19)

See footnotes at end of table.

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Number ¹	Cause of death (based on ICD-10, 2004)
100	Accidental discharge of firearms (W32–W34)
101	Accidental drowning and submersion (W65–W74)
102	Accidental exposure to smoke, fire and flames (X00–X09)
103	Accidental poisoning and exposure to noxious substances (X40–X49)
104	Other and unspecified nontransport accidents and their sequelae (W20–W31,W35–W64,W75–W99,X10–X39,X50–X59,Y86)
#	Intentional self-harm (suicide) (*U03,X60–X84,Y87.0)
105	Intentional self-harm (suicide) by discharge of firearms (X72–X74)
106	Intentional self-harm (suicide) by other and unspecified means and their sequelae (*U03,X60–X71,X75–X84,Y87.0)
#	Assault (homicide) (*U01–*U02,X85–Y09,Y87.1)
107	Assault (homicide) by discharge of firearms (*U01.4,X93–X95)
108	Assault (homicide) by other and unspecified means and their sequelae (*U01.0–*U01.3,*U01.5–*U01.9,*U02,X85–X92,X96–Y09,Y87.1)
109#	Legal intervention (Y35,Y89.0)
	Events of undetermined intent (Y10–Y34,Y87.2,Y89.9)
110	Discharge of firearms, undetermined intent (Y22–Y24)
111	Other and unspecified events of undetermined intent and their sequelae (Y10–Y21,Y25–Y34,Y87.2,Y89.9)
112#	Operations of war and their sequelae (Y36,Y89.1)
113#	Complications of medical and surgical care (Y40–Y84,Y88)
#	Enterocolitis due to <i>Clostridium difficile</i> (A04.7) ⁵

¹Causes labeled # are ranked to determine leading causes of death for specified population groups.

²ICD-10 code J09 (Influenza due to identified avian influenza virus) was added to the category in 2007.

³ICD-10 code U04 (Severe acute respiratory syndrome [SARS]) was added to the category in 2007.

⁴Cause-of-death title was changed in 2007 to reflect the addition of SARS (ICD-10 code U04).

⁵Included in "Certain other intestinal infections (A04,A07–A09)" shown above.

from the age categories previously used in these tables to present leading-cause data: 1–4, 5–14, 15–24, 25–44, 45–64, and 65 and over (7). Leading causes by further age detail, along with the previously used age categories, are published on the NCHS website at http://www.cdc.gov/nchs/nvss/mortality_tables.htm. Tables 3 and 4, which present data for infants (under age 1 year), also show leading causes of death for the age subcategories neonatal (under 28 days) and postneonatal (28 days to 11 months).

The age grouping used when ranking causes of death can have an impact on the rankings assigned to any particular age (8). For example, in 2008, the rankings for the 10 leading causes of death for a 45-year-old male were slightly different depending on whether the ranking was based on the age group 45–49 or 45–54. To illustrate, the category Viral hepatitis was not ranked among the 10 leading causes for 45–49-year-old men, but was ranked 10th for men aged 45–54. Assault (homicide) was ranked ninth for men aged 45–49, but was not ranked in the top 10 for men aged 45–54. Each aggregation of age resulted in a different understanding of the relative importance of Viral hepatitis and homicide for those at or near age 45.

Results

In 2008, the 10 leading causes of death accounted for about 76 percent of all deaths occurring in the United States. The rank order of causes in 2008 remained unchanged from 2007 (9) with two exceptions. Cerebrovascular diseases (stroke), which had maintained the same third-place rank since the 1950s (10), moved down one rank to fourth, and Chronic lower respiratory diseases (CLRD), which ranked fourth in 2007, became the third leading cause of

death in 2008 (Table C). Intentional self-harm (suicide) replaced Septicemia as the 10th leading cause of death.

The number of deaths due to three causes decreased in 2008 from 2007: unintentional injuries by 1.5 percent; stroke, 1.3 percent; and Diabetes mellitus (diabetes), 1.2 percent (Table C). The number of deaths for each of the other leading causes increased during this period. The largest increases were observed for Alzheimer's disease at 10.5 percent; CLRD, 10.3 percent; Influenza and pneumonia, 6.8 percent; suicide, 4.2 percent; and Nephritis, nephrotic syndrome and nephrosis (kidney disease), 3.9 percent. The increase in deaths from CLRD may be due, in part, to coding changes in 2008; see "Technical Notes."

The top two causes, Diseases of heart (heart disease) and Malignant neoplasms (cancer), accounted for 47.8 percent of all deaths in 2008. CLRD, stroke, and unintentional injuries, which ranked third, fourth and fifth, respectively, accounted for 16.1 percent of all deaths in 2008. Completing the top 10 for 2008 were Alzheimer's disease (6th), diabetes (7th), Influenza and pneumonia (8th), kidney disease (9th), and suicide (10th) (Table C).

Differences by sex

Some similarities were observed in the ranking of certain causes of death for men and women in 2008. For both populations, heart disease and cancer ranked as the first and second leading causes of death, respectively (Figure 1 and Table 1). These two causes accounted for 49.5 percent of all deaths to men and 46.2 percent of all deaths to women in 2008. Other causes with an identical rank for both sexes in 2008 were CLRD (the fourth leading cause) and Influenza and pneumonia (ranked eighth).

Men and women diverge in the ranking of other causes of death. In 2008, unintentional injuries were the third leading cause of death

Table B. List of 130 selected causes of infant death

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

Number ¹	Cause of death (based on ICD-10, 2004)	
	Certain infectious and parasitic diseases	(A00–B99)
1	Certain intestinal infectious diseases	(A00–A08)
2#	Diarrhea and gastroenteritis of infectious origin	(A09)
3#	Tuberculosis	(A16–A19)
4#	Tetanus	(A33,A35)
5#	Diphtheria	(A36)
6#	Whooping cough	(A37)
7#	Meningococcal infection	(A39)
8#	Septicemia	(A40–A41)
9#	Congenital syphilis	(A50)
10#	Gonococcal infection	(A54)
	Viral diseases	(A80–B34)
11#	Acute poliomyelitis	(A80)
12#	Varicella (chickenpox)	(B01)
13#	Measles	(B05)
14#	Human immunodeficiency virus (HIV) disease	(B20–B24)
15#	Mumps	(B26)
16	Other and unspecified viral diseases	(A81–B00,B02–B04, B06–B19,B25,B27–B34)
17#	Candidiasis	(B37)
18#	Malaria	(B50–B54)
19#	Pneumocystosis	(B59)
20	All other and unspecified infectious and parasitic diseases	(A20–A32,A38,A42–A49,A51–A53,A55–A79,B35–B36,B38–B49,B55–B58,B60–B99)
	Neoplasms	(C00–D48)
#	Malignant neoplasms	(C00–C97)
21	Hodgkin's disease and non-Hodgkin's lymphomas	(C81–C85)
22	Leukemia	(C91–C95)
23	Other and unspecified malignant neoplasms	(C00–C80,C88,C90,C96–C97)
24#	In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior	(D00–D48)
#	Diseases of the blood and blood-forming organs and certain disorders involving the immune mechanism	(D50–D89)
25	Anemias	(D50–D64)
26	Hemorrhagic conditions and other diseases of blood and blood-forming organs	(D65–D76)
27	Certain disorders involving the immune mechanism	(D80–D89)
	Endocrine, nutritional and metabolic diseases	(E00–E88)
28#	Short stature, not elsewhere classified	(E34.3)
29#	Nutritional deficiencies	(E40–E64)
30#	Cystic fibrosis	(E84)
31#	Volume depletion, disorders of fluid, electrolyte and acid-base balance	(E86–E87)
32	All other endocrine, nutritional and metabolic diseases	(E00–E32,E34.0–E34.2,E34.4–E34.9,E65–E83,E85,E88)
	Diseases of the nervous system	(G00–G98)
33#	Meningitis	(G00,G03)
34#	Infantile spinal muscular atrophy, type I (Werdnig-Hoffman)	(G12.0)
35#	Infantile cerebral palsy	(G80)
36#	Anoxic brain damage, not elsewhere classified	(G93.1)
37	Other diseases of nervous system	(G04,G06–G11,G12.1–G12.9,G20–G72,G81–G92,G93.0,G93.2–G93.9,G95–G98)
38#	Diseases of the ear and mastoid process	(H60–H93)
#	Diseases of the circulatory system	(I00–I99)
39	Pulmonary heart disease and diseases of pulmonary circulation	(I26–I28)
40	Pericarditis, endocarditis and myocarditis	(I30,I33,I40)
41	Cardiomyopathy	(I42)
42	Cardiac arrest	(I46)
43	Cerebrovascular diseases	(I60–I69)
44	All other diseases of circulatory system	(I00–I25,I31,I34–I38,I44–I45,I47–I51,I70–I99)
	Diseases of the respiratory system	(J00–J98,U04) ^{2,3}
45#	Acute upper respiratory infections	(J00–J06)
#	Influenza and pneumonia	(J09–J18) ²
46	Influenza	(J09–J11) ²
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)

See footnotes at end of table.

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

Number ¹	Cause of death (based on ICD-10, 2004)
52	Other and unspecified diseases of respiratory system (J22,J30-J39,J43-J44,J47-J68,J70-J98,U04) ³
	Diseases of the digestive system (K00-K92)
53#	Gastritis, duodenitis, and noninfective enteritis and colitis (K29,K50-K55)
54#	Hernia of abdominal cavity and intestinal obstruction without hernia (K40-K46,K56)
55	All other and unspecified diseases of digestive system (K00-K28,K30-K38,K57-K92)
	Diseases of the genitourinary system (N00-N95)
56#	Renal failure and other disorders of kidney (N17-N19,N25,N27)
57	Other and unspecified diseases of genitourinary system (N00-N15,N20-N23,N26,N28-N95)
	Certain conditions originating in the perinatal period (P00-P96)
	Newborn affected by maternal factors and by complications of pregnancy, labor and delivery (P00-P04)
58#	Newborn affected by maternal hypertensive disorders (P00.0)
59#	Newborn affected by other maternal conditions which may be unrelated to present pregnancy (P00.1-P00.9)
#	Newborn affected by maternal complications of pregnancy (P01)
60	Newborn affected by incompetent cervix (P01.0)
61	Newborn affected by premature rupture of membranes (P01.1)
62	Newborn affected by multiple pregnancy (P01.5)
63	Newborn affected by other maternal complications of pregnancy (P01.2-P01.4,P01.6-P01.9)
#	Newborn affected by complications of placenta, cord and membranes (P02)
64	Newborn affected by complications involving placenta (P02.0-P02.3)
65	Newborn affected by complications involving cord (P02.4-P02.6)
66	Newborn affected by chorioamnionitis (P02.7)
67	Newborn affected by other and unspecified abnormalities of membranes (P02.8-P02.9)
68#	Newborn affected by other complications of labor and delivery (P03)
69#	Newborn affected by noxious influences transmitted via placenta or breast milk (P04)
	Disorders related to length of gestation and fetal malnutrition (P05-P08)
70#	Slow fetal growth and fetal malnutrition (P05)
#	Disorders related to short gestation and low birth weight, not elsewhere classified (P07)
71	Extremely low birth weight or extreme immaturity (P07.0,P07.2)
72	Other low birth weight or preterm (P07.1,P07.3)
73#	Disorders related to long gestation and high birth weight (P08)
74#	Birth trauma (P10-P15)
#	Intrauterine hypoxia and birth asphyxia (P20-P21)
75	Intrauterine hypoxia (P20)
76	Birth asphyxia (P21)
77#	Respiratory distress of newborn (P22)
	Other respiratory conditions originating in the perinatal period (P23-P28)
78#	Congenital pneumonia (P23)
79#	Neonatal aspiration syndromes (P24)
80#	Interstitial emphysema and related conditions originating in the perinatal period (P25)
81#	Pulmonary hemorrhage originating in the perinatal period (P26)
82#	Chronic respiratory disease originating in the perinatal period (P27)
83#	Atelectasis (P28.0-P28.1)
84	All other respiratory conditions originating in the perinatal period (P28.2-P28.9)
	Infections specific to the perinatal period (P35-P39)
85#	Bacterial sepsis of newborn (P36)
86#	Omphalitis of newborn with or without mild hemorrhage (P38)
87	All other infections specific to the perinatal period (P35,P37,P39)
	Hemorrhagic and hematological disorders of newborn (P50-P61)
88#	Neonatal hemorrhage (P50-P52,P54)
89#	Hemorrhagic disease of newborn (P53)
90#	Hemolytic disease of newborn due to isoimmunization and other perinatal jaundice (P55-P59)
91#	Hematological disorders (P60-P61)
92#	Syndrome of infant of a diabetic mother and neonatal diabetes mellitus (P70.0-P70.2)
93#	Necrotizing enterocolitis of newborn (P77)
94#	Hydrops fetalis not due to hemolytic disease (P83.2)
95	Other perinatal conditions (P29,P70.3-P70.9,P71-P76,P78-P81,P83.0-P83.1,P83.3-P83.9,P90-P96)
#	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)
96	Anencephaly and similar malformations (Q00)
97	Congenital hydrocephalus (Q03)
98	Spina bifida (Q05)
99	Other congenital malformations of nervous system (Q01-Q02,Q04,Q06-Q07)

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, Tenth Revision (ICD-10)*, Second Edition; see "Technical Notes"]

Number ¹	Cause of death (based on ICD-10, 2004)	
100	Congenital malformations of heart	(Q20–Q24)
101	Other congenital malformations of circulatory system	(Q25–Q28)
102	Congenital malformations of respiratory system	(Q30–Q34)
103	Congenital malformations of digestive system	(Q35–Q45)
104	Congenital malformations of genitourinary system	(Q50–Q64)
105	Congenital malformations and deformations of musculoskeletal system, limbs and integument	(Q65–Q85)
106	Down's syndrome	(Q90)
107	Edward's syndrome	(Q91.0–Q91.3)
108	Patau's syndrome	(Q91.4–Q91.7)
109	Other congenital malformations and deformations	(Q10–Q18, Q86–Q89)
110	Other chromosomal abnormalities, not elsewhere classified	(Q92–Q99)
	Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified	(R00–R99)
111#	Sudden infant death syndrome	(R95)
112	Other symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified	(R00–R53, R55–R94, R96–R99)
113	All other diseases (residual)	(F01–F99, H00–H57, L00–M99)
	External causes of mortality	(*U01, V01–Y84)
#	Accidents (unintentional injuries)	(V01–X59)
	Transport accidents	(V01–V99)
114	Motor vehicle accidents	(V02–V04, V09.0, V09.2, V12–V14, V19.0–V19.2, V19.4–V19.6, V20–V79, V80.3–V80.5, V81.0–V81.1, V82.0–V82.1, V83–V86, V87.0–V87.8, V88.0–V88.8, V89.0, V89.2)
115	Other and unspecified transport accidents	(V01, V05–V06, V09.1, V09.3–V09.9, V10–V11, V15–V18, V19.3, V19.8–V19.9, V80.0–V80.2, V80.6–V80.9, V81.2–V81.9, V82.2–V82.9, V87.9, V88.9, V89.1, V89.3, V89.9, V90–V99)
116	Falls	(W00–W19)
117	Accidental discharge of firearms	(W32–W34)
118	Accidental drowning and submersion	(W65–W74)
119	Accidental suffocation and strangulation in bed	(W75)
120	Other accidental suffocation and strangulation	(W76–W77, W81–W84)
121	Accidental inhalation and ingestion of food or other objects causing obstruction of respiratory tract	(W78–W80)
122	Accidents caused by exposure to smoke, fire and flames	(X00–X09)
123	Accidental poisoning and exposure to noxious substances	(X40–X49)
124	Other and unspecified accidents	(W20–W31, W35–W64, W85–W99, X10–X39, X50–X59)
#	Assault (homicide)	(*U01, X85–Y09)
125	Assault (homicide) by hanging, strangulation and suffocation	(X91)
126	Assault (homicide) by discharge of firearms	(*U01.4, X93–X95)
127	Neglect, abandonment and other maltreatment syndromes	(Y06–Y07)
128	Assault (homicide) by other and unspecified means	(*U01.0–*U01.3, *U01.5–*U01.9, X85–X90, X92, X96–Y05, Y08–Y09)
129#	Complications of medical and surgical care	(Y40–Y84)
130	Other external causes	(X60–X84, Y10–Y36)

¹Causes labeled # are ranked to determine leading causes of infant death for specified population groups.

²ICD-10 code J09 (Influenza due to identified avian influenza virus) was added to the category in 2007.

³ICD-10 code U04 (Severe acute respiratory syndrome [SARS]) was added to the category in 2007.

for males, accounting for 6.4 percent of deaths in this group, but the sixth leading cause for females, accounting for 3.5 percent of deaths (Figure 1 and Table 1). Stroke and diabetes ranked fifth and sixth, respectively, for males in 2008 but ranked third and seventh, respectively, for females. Women had a higher relative burden of mortality from stroke than men. In 2008, stroke accounted for 6.5 percent of all deaths to women but 4.4 percent of all deaths to men. Both groups had the same relative burden of mortality from diabetes (approximately 3.0 percent) despite the difference in rank. Suicide ranked seventh for males but was not ranked among the 10 leading causes for females. Alzheimer's disease ranked ninth for males, accounting for 2.0 percent of deaths, but ranked fifth for females, accounting for 4.6 percent of deaths. Kidney disease ranked 10th for males and 9th for females, accounting for roughly 2.0 percent of deaths in each group. Septicemia ranked 10th for females but was not ranked among the top 10 for males.

In 2008, no changes occurred in the rank order of the 10 leading causes of death among women compared with 2007 (9). However, among men, Alzheimer's disease moved up one rank from 10th to 9th, and kidney disease moved down one rank to become the 10th leading cause of death.

Differences by age

In 2008, the leading causes of death varied substantially by age group; however, some general similarities were found by broad age group in the pattern of leading causes (Table 1). For the population aged 1–44 years, the leading cause of death was unintentional injuries. Homicide and suicide were also important causes of death in this broad age category: Homicide was consistently one of the top five causes of death in the age groups between 1 and 44, and suicide was a top five killer in the age groups between 10 and 44.

Table C. Deaths and percentage of total deaths for the 10 leading causes of death: United States, 2007 and 2008

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

Cause of death (based on ICD-10, 2004)	Rank ¹	2008		2007	
		Deaths	Percent of total deaths	Deaths	Percent of total deaths
All causes . . . . .	...	2,471,984	100.0	2,423,712	100.0
Diseases of heart (I00-I09,I11,I13,I20-I51)	1	616,828	25.0	616,067	25.4
Malignant neoplasms (C00-C97)	2	565,469	22.9	562,875	23.2
Chronic lower respiratory diseases (J40-J47)	3	141,090	5.7	127,924	5.3
Cerebrovascular diseases (I60-I69)	4	134,148	5.4	135,952	5.6
Accidents (unintentional injuries) (V01-X59,Y85-Y86)	5	121,902	4.9	123,706	5.1
Alzheimer's disease (G30)	6	82,435	3.3	74,632	3.1
Diabetes mellitus (E10-E14)	7	70,553	2.9	71,382	2.9
Influenza and pneumonia (J09-J18) ²	8	56,284	2.3	52,717	2.2
Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	9	48,237	2.0	46,448	1.9
Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	10	36,035	1.5	34,598	1.4

... Category not applicable.
¹Based on number of deaths.
²ICD-10 code J09 (Influenza due to identified avian influenza virus) was added to the category in 2007.

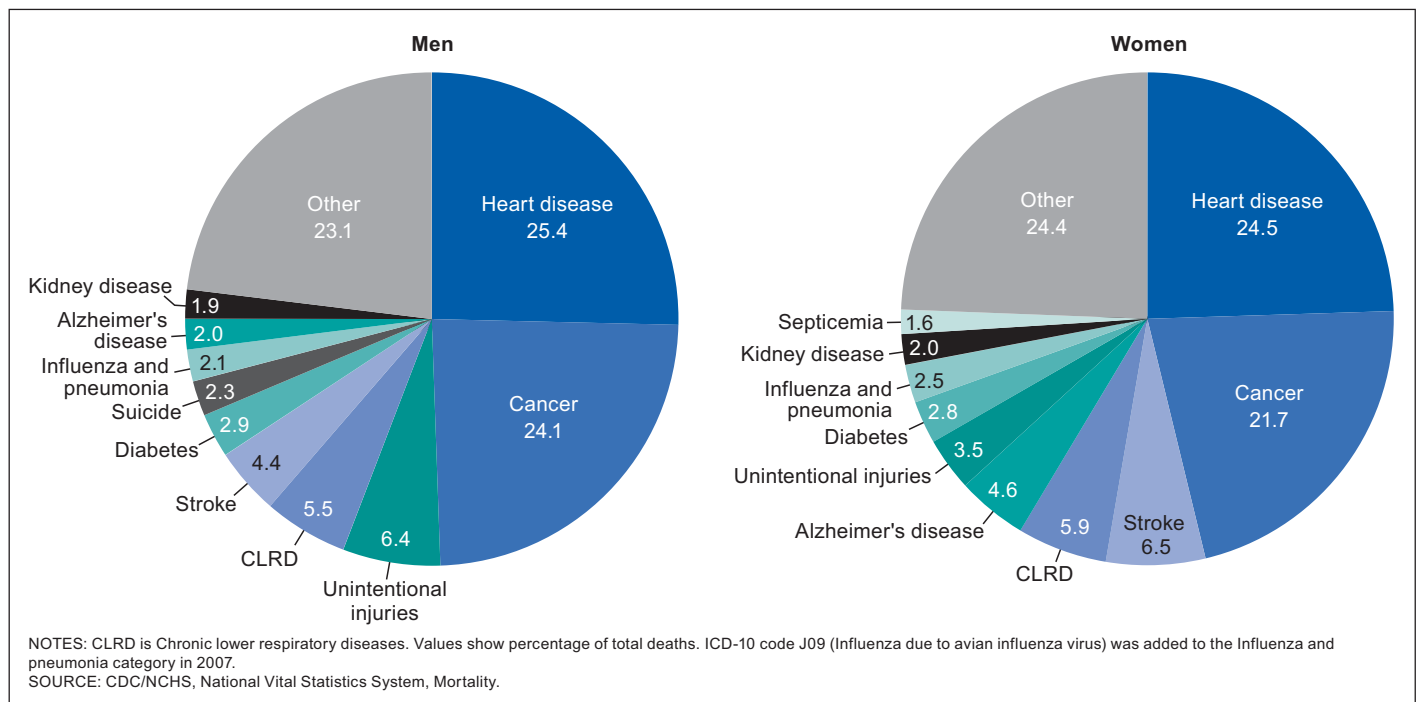


Figure 1. Percent distribution of the 10 leading causes of death, by sex: United States, 2008

Cancer; heart disease; Congenital malformations, deformations and chromosomal abnormalities; stroke; and Influenza and pneumonia were also consistently ranked among the 10 leading causes for the age groups between 1 and 44. Human immunodeficiency virus disease (HIV disease) was among the leading causes of death for the age groups between 20 and 44.

For the population aged 45 and over, chronic diseases accounted for far more deaths than other causes. Cancer and heart disease were the first and second leading causes, respectively, for the age groups between 45 and 74, whereas for those aged 75 and over, heart disease was the leading cause, with cancer second (Table 1, focusing on

10-year age groups through 85 and over). Other leading causes prevalent among the population aged 45 and over were CLRD, stroke, diabetes, Septicemia, Chronic liver disease and cirrhosis, kidney disease, unintentional injuries, Alzheimer's disease, and Influenza and pneumonia. HIV disease was one of the leading causes of death in the population aged 45-54.

Differences by race

Table D shows variation across the four major race groups in the 10 leading causes of death in 2008. Deaths for the American

Table D. Deaths and percentage of total deaths for the 10 leading causes of death, by race: United States, 2008

[Data for races other than white and black should be interpreted with caution because of misreporting of race on death certificates; see "Technical Notes." An asterisk (*) preceding a cause-of-death code indicates that the code is not included in the *International Classification of Diseases, Tenth Revision (ICD-10)*, Second Edition; see "Technical Notes"]

Cause of death (based on ICD-10, 2004)	White			Black			American Indian or Alaska Native			Asian or Pacific Islander		
	Rank ¹	Deaths	Percent of total deaths	Rank ¹	Deaths	Percent of total deaths	Rank ¹	Deaths	Percent of total deaths	Rank ¹	Deaths	Percent of total deaths
All causes . . . . .	...	2,120,233	100.0	...	289,072	100.0	...	14,776	100.0	...	47,903	100.0
Diseases of heart (I00-I09,I11,I13,I20-I51)	1	532,304	25.1	1	70,731	24.5	2	2,657	18.0	2	11,136	23.2
Malignant neoplasms (C00-C97)	2	485,893	22.9	2	63,954	22.1	1	2,727	18.5	1	12,895	26.9
Chronic lower respiratory diseases (J40-J47)	3	130,221	6.1	6	8,766	3.0	6	619	4.2	7	1,484	3.1
Cerebrovascular diseases (I60-I69)	4	113,244	5.3	3	16,710	5.8	7	517	3.5	3	3,677	7.7
Accidents (unintentional injuries) (V01-X59,Y85-Y86)	5	105,715	5.0	4	12,447	4.3	3	1,682	11.4	4	2,058	4.3
Alzheimer's disease (G30)	6	76,263	3.6	12	5,075	1.8	13	204	1.4	9	893	1.9
Diabetes mellitus (E10-E14)	7	55,893	2.6	5	12,064	4.2	4	779	5.3	5	1,817	3.8
Influenza and pneumonia (J09-J18) ²	8	48,941	2.3	11	5,456	1.9	9	379	2.6	6	1,508	3.1
Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	9	38,352	1.8	7	8,619	3.0	10	338	2.3	8	928	1.9
Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	10	32,644	1.5	16	2,106	0.7	8	409	2.8	10	876	1.8
Septicemia (A40-A41)	11	28,697	1.4	9	6,426	2.2	12	244	1.7	12	560	1.2
Chronic liver disease and cirrhosis (K70,K73-K74)	12	26,275	1.2	15	2,506	0.9	5	742	5.0	14	440	0.9
Assault (homicide) (*U01-*U02,X85-Y09,Y87.1)	18	8,893	0.4	8	8,335	2.9	11	255	1.7	15	343	0.7
Human immunodeficiency virus (HIV) disease (B20-B24)	24	4,339	0.2	10	5,780	2.0	20	66	0.4	23	100	0.2

... 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.

²ICD-10 code J09 (Influenza due to identified avian influenza virus) was added to the category in 2007.

Indian or Alaska Native (AIAN) and Asian or Pacific Islander (API) populations are understated to varying degrees because of racial misclassification on the death certificate; see "Technical Notes." The four groups shown shared seven of the leading causes in common but had different relative disease burden. Heart disease was the first leading cause of death for the white and black populations, but it was the second leading cause for the AIAN and API populations. As measured by cause-specific percentage of total deaths within each population, the relative burden of mortality from heart disease was 18.0 percent in the AIAN population compared with 25.1 percent in the white population, 24.5 percent in the black population, and 23.2 percent in the API population (Table D and Figure 2). Cancer was the first leading cause of death for the AIAN and API populations, but the second leading cause for the other groups. Cancer accounted for 26.9 percent of all deaths in the API population, 22.9 percent in the white population, 22.1 percent in the black population, and 18.5 percent in the AIAN population. CLRD ranked third for the white population, accounting for 6.1 percent of deaths in this group; sixth for the AIAN and black populations (4.2 and 3.0 percent of deaths, respectively); and seventh for the API population (3.1 percent of deaths). Stroke, unintentional injuries, diabetes, and kidney disease also ranked among the top 10 causes of death for each race group. Stroke ranked fourth for the white population but third for the black and API populations and seventh for the AIAN population. The percentage of deaths attributable to stroke was highest for the API population (7.7 percent of all deaths) and lowest for the AIAN population (3.5 percent of deaths). Unintentional injuries ranked fifth for the white population (5.0 percent of deaths), fourth for the black and API populations (4.3 percent of deaths each), and third for the AIAN population (11.4 percent of

deaths). Diabetes ranked fourth for the AIAN population, accounting for 5.3 percent of deaths; fifth for the black and API populations (4.2 and 3.8 percent of deaths, respectively); and seventh for the white population (2.6 percent of deaths). Kidney disease ranked 9th for the white population but 7th for the black population, 8th for the API population, and 10th for the AIAN population. Kidney disease accounted for 3.0 percent of deaths in the black population, 2.3 percent in the AIAN population, 1.9 percent in the API population, and 1.8 percent in the white population.

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

Furthermore, at least one of the 10 leading causes was unique to each of two groups. For the AIAN population, Chronic liver disease and cirrhosis ranked fifth but was not ranked in the top 10 for the other three race groups. For the black population, homicide ranked 8th, Septicemia 9th, and HIV disease 10th, but these causes were not ranked among the top 10 for the other race groups.

The rank order of several leading causes changed in 2008 from 2007 (9). For the black population, CLRD moved up from 8th to 6th rank; homicide moved down to 8th from 6th place; Septicemia moved up to 9th from 10th; and HIV disease moved down one position to become the 10th leading cause. For the AIAN population, cancer

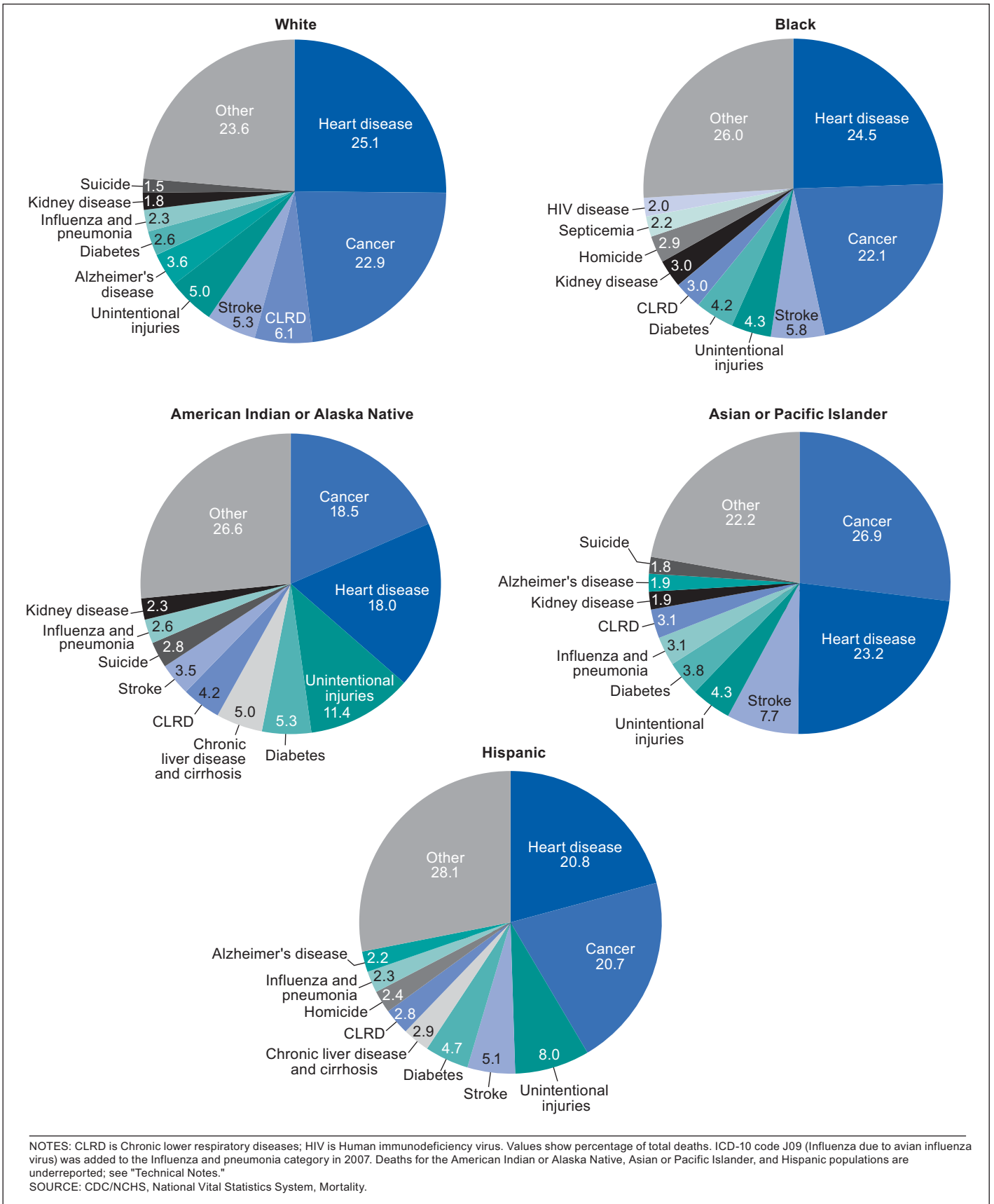


Figure 2. Percent distribution of the 10 leading causes of death, by race and ethnicity: United States, 2008

Table E. Deaths and percentage of total deaths for the 10 leading causes of death, by Hispanic origin and race for non-Hispanic population: United States, 2008

[Race and Hispanic origin are reported separately on the death certificate. Persons of Hispanic origin may be of any race. Data for Hispanic origin should be interpreted with caution because of misreporting of Hispanic origin on death certificates; see "Technical Notes." An asterisk (*) preceding a cause-of-death code indicates that the code is not included in the *International Classification of Diseases, Tenth Revision (ICD-10)*, Second Edition; see "Technical Notes"]

Cause of death (based on ICD-10, 2004)	Hispanic			Non-Hispanic			Non-Hispanic white			Non-Hispanic black		
	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 . . . . .	...	139,241	100.0	...	2,327,636	100.0	...	1,981,034	100.0	...	285,522	100.0
Diseases of heart(I00-I09,I11,I13,I20-I51)	1	28,951	20.8	1	586,514	25.2	1	503,096	25.4	1	69,918	24.5
Malignant neoplasms(C00-C97)	2	28,851	20.7	2	535,675	23.0	2	457,084	23.1	2	63,279	22.2
Accidents (unintentional injuries)(V01-X59,Y85-Y86)	3	11,080	8.0	5	110,476	4.7	5	94,722	4.8	4	12,215	4.3
Cerebrovascular diseases(I60-I69)	4	7,121	5.1	4	126,777	5.4	4	106,134	5.4	3	16,527	5.8
Diabetes mellitus(E10-E14)	5	6,544	4.7	7	63,848	2.7	7	49,388	2.5	5	11,934	4.2
Chronic liver disease and cirrhosis(K70,K73-K74)	6	4,091	2.9	12	25,813	1.1	12	22,210	1.1	15	2,464	0.9
Chronic lower respiratory diseases(J40-J47)	7	3,949	2.8	3	136,895	5.9	3	126,146	6.4	6	8,679	3.0
Assault (homicide)(*U01-*U02,X85-Y09,Y87.1)	8	3,331	2.4	16	14,427	0.6	22	5,656	0.3	8	8,206	2.9
Influenza and pneumonia(J10-J18) ²	9	3,176	2.3	8	53,024	2.3	8	45,780	2.3	11	5,396	1.9
Alzheimer's disease(G30)	10	3,005	2.2	6	79,323	3.4	6	73,219	3.7	13	5,024	1.8
Nephritis, nephrotic syndrome and nephrosis(N00-N07,N17-N19,N25-N27)	11	2,903	2.1	9	45,245	1.9	9	35,439	1.8	7	8,564	3.0
Intentional self-harm (suicide)(*U03,X60-X84,Y87.0)	13	2,345	1.7	11	33,589	1.4	10	30,281	1.5	16	2,063	0.7
Septicemia(A40-A41)	15	2,004	1.4	10	33,839	1.5	11	26,692	1.3	9	6,359	2.2
Human immunodeficiency virus (HIV) disease(B20-B24)	17	1,365	1.0	20	8,846	0.4	25	3,003	0.2	10	5,686	2.0

... 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.

²ICD-10 code J09 (Influenza due to identified avian influenza virus) was added to the category in 2007.

replaced heart disease as the leading cause of death; heart disease became the 2nd leading cause; and Influenza and pneumonia switched ranks with kidney disease, becoming the 9th and 10th leading causes in 2008, respectively. For the API population, kidney disease moved up from 9th to 8th rank; Alzheimer's disease moved up to 9th from 10th place; and suicide moved down two positions from 8th to 10th.

Differences by Hispanic origin

Table E contrasts the 10 leading causes of death for the Hispanic, non-Hispanic, non-Hispanic white, and non-Hispanic black populations in 2008. Deaths for the Hispanic population are understated because of net underreporting of Hispanic origin on the death certificate; see "Technical Notes." Heart disease and cancer ranked first and second for all four groups. Unintentional injuries ranked third for the Hispanic population, fourth for the non-Hispanic black population, and fifth for the other non-Hispanic groups. The fourth-ranked cause for Hispanics was stroke, which also ranked fourth for the non-Hispanic and non-Hispanic white populations but third for the non-Hispanic black population. Diabetes ranked fifth for both the Hispanic and non-Hispanic black populations, but seventh for the non-Hispanic and non-Hispanic white populations. Chronic liver disease and cirrhosis was unique as a leading cause of death for the Hispanic population; it ranked sixth for this group but was not among the 10 leading causes of death for the other racial and ethnic populations. CLRD ranked much higher for the non-Hispanic and non-Hispanic white populations (both third) than for the non-Hispanic black (sixth) and Hispanic (seventh) populations. Homicide ranked

eighth for both the Hispanic and non-Hispanic black populations but was not ranked among the top 10 causes for the non-Hispanic or non-Hispanic white populations. The ninth-ranked cause of death for the Hispanic population was Influenza and pneumonia, which ranked eighth for the non-Hispanic and non-Hispanic white populations but was not among the 10 leading causes for the non-Hispanic black population. Similarly, Alzheimer's disease ranked lower for the Hispanic population (10th) than for the non-Hispanic and non-Hispanic white populations (both ranked 6th); it was not among the 10 leading causes for the non-Hispanic black population.

Causes that ranked among the 10 leading causes for the other racial and ethnic groups but not for the Hispanic group were kidney disease, which ranked 7th for the non-Hispanic black population and 9th for both the non-Hispanic and non-Hispanic white populations; suicide, which ranked 10th for the non-Hispanic white population; Septicemia, which ranked 9th for the non-Hispanic black population and 10th for the non-Hispanic population; and HIV disease, which ranked 10th for the non-Hispanic black population.

Figure 2 illustrates the percentage of total deaths from the 10 leading causes for the Hispanic population. Heart disease accounted for 20.8 percent of all deaths, cancer for 20.7 percent, unintentional injuries for 8.0 percent, stroke for 5.1 percent, and diabetes for 4.7 percent. These five causes together accounted for 59.3 percent of deaths in the Hispanic population. Chronic liver disease and cirrhosis and CLRD each accounted for nearly 3.0 percent of deaths. Homicide, Influenza and pneumonia, and Alzheimer's disease each accounted for approximately 2.0 percent of deaths.

Table F. Deaths and percentage of total deaths for the 10 leading causes of infant death: United States, 2007 and 2008

Cause of death (based on <i>International Classification of Diseases, Tenth Revision, Second Edition, 2004</i>)	2008			2007		
	Rank ¹	Deaths	Percent of total deaths	Rank ¹	Deaths	Percent of total deaths
All causes . . . . .	...	28,059	100.0	...	29,138	100.0
Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	1	5,638	20.1	1	5,785	19.9
Disorders related to short gestation and low birth weight, not elsewhere classified (P07)	2	4,754	16.9	2	4,857	16.7
Sudden infant death syndrome (R95)	3	2,353	8.4	3	2,453	8.4
Newborn affected by maternal complications of pregnancy (P01)	4	1,765	6.3	4	1,769	6.1
Accidents (unintentional injuries) (V01–X59)	5	1,315	4.7	5	1,285	4.4
Newborn affected by complications of placenta, cord and membranes (P02)	6	1,080	3.8	6	1,135	3.9
Bacterial sepsis of newborn (P36)	7	700	2.5	7	820	2.8
Respiratory distress of newborn (P22)	8	630	2.2	8	789	2.7
Diseases of the circulatory system (I00–I99)	9	594	2.1	9	624	2.1
Neonatal hemorrhage (P50–P52,P54)	10	556	2.0	10	597	2.0

... Category not applicable.

¹Based on number of deaths.

Some causes changed rank in 2008 from 2007 (9) for the Hispanic population. Influenza and pneumonia moved up from 10th to 9th rank, and Alzheimer's disease rose into the top 10, becoming the 10th leading cause of death. Certain conditions originating in the perinatal period, which was the ninth leading cause in 2007, dropped out of the top 10 list.

Leading causes of infant death

The leading cause of infant death in 2008 was Congenital malformations, deformations and chromosomal abnormalities (congenital malformations), which accounted for 20.1 percent of all infant deaths (Table F). The second leading cause was Disorders related to short gestation and low birth weight, not elsewhere classified (16.9 percent of deaths). The third leading cause was Sudden infant death syndrome (SIDS) (8.4 percent of deaths), and the fourth leading cause was Newborn affected by maternal complications of pregnancy (6.3 percent of deaths). Unintentional injuries ranked fifth and accounted for 4.7 percent of deaths. In 2008, 56.4 percent of infant deaths were attributable to these five leading causes. Other leading causes in 2008 were Newborn affected by complications of placenta, cord and membranes (ranked 6th); Bacterial sepsis of newborn (7th); Respiratory distress of newborn (8th); Diseases of the circulatory system (9th); and Neonatal hemorrhage (10th). In all, these 10 leading causes of infant death accounted for 69.1 percent of all infant deaths.

In 2008 from 2007 (9), no changes occurred in the rank order of the 10 leading causes of death among infants.

Neonatal and postneonatal mortality

Differences were evident when comparing leading causes of death in the neonatal (less than 28 days after birth) and postneonatal (from 28 days through 11 months after birth) periods (Table G). Disorders related to short gestation and low birth weight, not elsewhere classified remained the leading cause of neonatal death

in 2008. In contrast, SIDS was the leading cause in the postneonatal period. Congenital malformations—the leading cause of infant death overall—ranked second for both neonates and postneonates. The remaining leading causes of neonatal death were characterized by conditions occurring in the perinatal period, whereas in the postneonatal period, the remaining leading causes included several conditions prevalent among the general population. These included unintentional injuries, ranked third; homicide, ranked sixth; Septicemia, ranked seventh; and Influenza and pneumonia, ranked eighth.

Differences in infant mortality, including neonatal and postneonatal mortality, by race and Hispanic origin are detailed in Tables 3 and 4 for the readers' information but are not discussed. Race reported on the death certificate is considered to be fairly accurate for white and black infants; however, both race and Hispanic origin may be misreported for other groups (11–14); see "Technical Notes." Consequently, readers are directed to the report using data from the linked file of live births and infant deaths for better measures of infant mortality by race and Hispanic origin (15).

Discussion

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

When comparing rankings across groups or over time, careful note should be made of the age distribution of the populations being compared. Leading causes of death for populations with younger age distributions will tend to show higher rankings for causes of death that are prevalent among the young, such as homicide, unintentional injuries, and HIV infection. Leading causes for older populations will

Table G. Deaths and percentage of total deaths for the 10 leading causes of neonatal and postneonatal deaths: United States, 2008

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

Rank ¹	Cause of death (based on ICD-10, 2004)	Deaths	Percent of total deaths
Neonatal			
...	All causes	18,211	100.0
1	Disorders related to short gestation and low birth weight, not elsewhere classified (P07)	4,629	25.4
2	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	3,954	21.7
3	Newborn affected by maternal complications of pregnancy (P01)	1,743	9.6
4	Newborn affected by complications of placenta, cord and membranes (P02)	1,067	5.9
5	Bacterial sepsis of newborn (P36)	674	3.7
6	Respiratory distress of newborn (P22)	617	3.4
7	Neonatal hemorrhage (P50-P52,P54)	540	3.0
8	Necrotizing enterocolitis of newborn (P77)	463	2.5
9	Intrauterine hypoxia and birth asphyxia (P20-P21)	364	2.0
10	Atelectasis (P28.0-P28.1)	324	1.8
...	All other causes (residual)	3,836	21.1
Postneonatal			
...	All causes	9,848	100.0
1	Sudden infant death syndrome (R95)	2,141	21.7
2	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	1,684	17.1
3	Accidents (unintentional injuries) (V01-X59)	1,183	12.0
4	Diseases of the circulatory system (I00-I99)	487	4.9
5	Gastritis, duodenitis, and noninfective enteritis and colitis (K29,K50-K55)	335	3.4
6	Assault (homicide) (*U01,X85-Y09)	308	3.1
7	Septicemia (A40-A41)	288	2.9
8	Influenza and pneumonia (J10-J18) ²	226	2.3
9	Chronic respiratory disease originating in the perinatal period (P27)	212	2.2
10	Disorders related to short gestation and low birth weight, not elsewhere classified (P07)	125	1.3
...	All other causes (residual)	2,859	29.0

... Category not applicable.

¹Based on number of deaths.

²ICD-10 code J09 (Influenza due to identified avian influenza virus) was added to the category in 2007.

tend to show higher rankings for causes that are more prevalent among the elderly, such as Alzheimer's disease, heart disease, cancer, and stroke.

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

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

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Table 1. Deaths, percentage of total deaths, and death rates for the 10 leading causes of death in selected age groups, by race and sex: United States, 2008

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

Rank ¹	Cause of death (based on ICD-10, 2004), race, sex, and age	Number ²	Percent of total deaths	Death rate ²	Rank ¹	Cause of death (based on ICD-10, 2004), race, sex, and age	Number ²	Percent of total deaths	Death rate ²
All races, both sexes, all ages ³					All races, both sexes, 10-14 years				
...	All causes	2,471,984	100.0	813.0	...	All causes	3,149	100.0	15.7
1	Diseases of heart . . . (I00-I09,I11,I13,I20-I51)	616,828	25.0	202.9	1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	1,024	32.5	5.1
2	Malignant neoplasms (C00-C97)	565,469	22.9	186.0	2	Malignant neoplasms (C00-C97)	433	13.8	2.2
3	Chronic lower respiratory diseases (J40-J47)	141,090	5.7	46.4	3	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	215	6.8	1.1
4	Cerebrovascular diseases (I60-I69)	134,148	5.4	44.1	4	Assault (homicide) (*U01-*U02,X85-Y09,Y87.1)	207	6.6	1.0
5	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	121,902	4.9	40.1	5	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	161	5.1	0.8
6	Alzheimer's disease (G30)	82,435	3.3	27.1	6	Diseases of heart . . . (I00-I09,I11,I13,I20-I51)	132	4.2	0.7
7	Diabetes mellitus (E10-E14)	70,553	2.9	23.2	7	Chronic lower respiratory diseases (J40-J47)	64	2.0	0.3
8	Influenza and pneumonia (J09-J18) ⁴	56,284	2.3	18.5	8	Cerebrovascular diseases (I60-I69)	56	1.8	0.3
9	Nephritis, nephrotic syndrome and nephrosis . . . (N00-N07,N17-N19,N25-N27)	48,237	2.0	15.9	9	Influenza and pneumonia (J09-J18) ⁴	49	1.6	0.2
10	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	36,035	1.5	11.9	10	Septicemia (A40-A41)	36	1.1	0.2
...	All other causes (residual)	599,003	24.2	197.0	...	All other causes (residual)	772	24.5	3.8
All races, both sexes, 1-4 years					All races, both sexes, 15-19 years				
...	All causes	4,730	100.0	28.3	...	All causes	12,407	100.0	57.7
1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	1,469	31.1	8.8	1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	5,541	44.7	25.8
2	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	521	11.0	3.1	2	Assault (homicide) (*U01-*U02,X85-Y09,Y87.1)	2,095	16.9	9.7
3	Assault (homicide) (*U01-*U02,X85-Y09,Y87.1)	421	8.9	2.5	3	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	1,604	12.9	7.5
4	Malignant neoplasms (C00-C97)	394	8.3	2.4	4	Malignant neoplasms (C00-C97)	685	5.5	3.2
5	Diseases of heart . . . (I00-I09,I11,I13,I20-I51)	186	3.9	1.1	5	Diseases of heart . . . (I00-I09,I11,I13,I20-I51)	363	2.9	1.7
6	Influenza and pneumonia (J09-J18) ⁴	142	3.0	0.9	6	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	230	1.9	1.1
7	Septicemia (A40-A41)	93	2.0	0.6	7	Cerebrovascular diseases (I60-I69)	72	0.6	0.3
8	Cerebrovascular diseases (I60-I69)	63	1.3	0.4	8	Chronic lower respiratory diseases (J40-J47)	71	0.6	0.3
9	Chronic lower respiratory diseases (J40-J47)	54	1.1	0.3	9	Influenza and pneumonia (J09-J18) ⁴	64	0.5	0.3
10	Certain conditions originating in the perinatal period (P00-P96)	51	1.1	0.3	10	Septicemia (A40-A41)	54	0.4	0.3
...	All other causes (residual)	1,336	28.2	8.0	...	All other causes (residual)	1,628	13.1	7.6
All races, both sexes, 5-9 years					All races, both sexes, 20-24 years				
...	All causes	2,502	100.0	12.5	...	All causes	19,791	100.0	94.0
1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	835	33.4	4.2	1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	8,548	43.2	40.6
2	Malignant neoplasms (C00-C97)	457	18.3	2.3	2	Assault (homicide) (*U01-*U02,X85-Y09,Y87.1)	3,180	16.1	15.1
3	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	170	6.8	0.8	3	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	2,694	13.6	12.8
4	Assault (homicide) (*U01-*U02,X85-Y09,Y87.1)	113	4.5	0.6	4	Malignant neoplasms (C00-C97)	978	4.9	4.6
5	Diseases of heart . . . (I00-I09,I11,I13,I20-I51)	97	3.9	0.5	5	Diseases of heart . . . (I00-I09,I11,I13,I20-I51)	702	3.5	3.3
6	In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior (D00-D48)	59	2.4	0.3	6	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	237	1.2	1.1
7	Chronic lower respiratory diseases (J40-J47)	55	2.2	0.3	7	Diabetes mellitus (E10-E14)	152	0.8	0.7
8	Cerebrovascular diseases (I60-I69)	41	1.6	0.2	8	Influenza and pneumonia (J09-J18) ⁴	142	0.7	0.7
9	Influenza and pneumonia (J09-J18) ⁴	40	1.6	0.2	9	Human immunodeficiency virus (HIV) disease (B20-B24)	140	0.7	0.7
10	Septicemia (A40-A41)	25	1.0	0.1	10	Pregnancy, childbirth and the puerperium (O00-O99)	128	0.6	0.6
...	All other causes (residual)	610	24.4	3.0	...	All other causes (residual)	2,890	14.6	13.7

See footnotes at end of table.

Table 1. Deaths, percentage of total deaths, and death rates for the 10 leading causes of death in selected age groups, by race and sex: United States, 2008—Con.

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

Rank ¹	Cause of death (based on ICD-10, 2004), race, sex, and age	Number ²	Percent of total deaths	Death rate ²	Rank ¹	Cause of death (based on ICD-10, 2004), race, sex, and age	Number ²	Percent of total deaths	Death rate ²
All races, both sexes, 25-34 years					All races, both sexes, 55-64 years				
...	All causes	42,275	100.0	103.3	...	All causes	296,182	100.0	879.2
1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	14,588	34.5	35.6	1	Malignant neoplasms (C00-C97)	104,091	35.1	309.0
2	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	5,300	12.5	12.9	2	Diseases of heart (I00-I09,I11,I13,I20-I51)	66,711	22.5	198.0
3	Assault (homicide) (*U01-U02,X85-Y09,Y87.1)	4,610	10.9	11.3	3	Chronic lower respiratory diseases (J40-J47)	14,042	4.7	41.7
4	Malignant neoplasms (C00-C97)	3,521	8.3	8.6	4	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	12,782	4.3	37.9
5	Diseases of heart (I00-I09,I11,I13,I20-I51)	3,254	7.7	7.9	5	Diabetes mellitus (E10-E14)	11,370	3.8	33.8
6	Human immunodeficiency virus (HIV) disease (B20-B24)	975	2.3	2.4	6	Cerebrovascular diseases (I60-I69)	10,459	3.5	31.0
7	Diabetes mellitus (E10-E14)	574	1.4	1.4	7	Chronic liver disease and cirrhosis (K70,K73-K74)	8,526	2.9	25.3
8	Cerebrovascular diseases (I60-I69)	539	1.3	1.3	8	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	5,465	1.8	16.2
9	Chronic liver disease and cirrhosis (K70,K73-K74)	423	1.0	1.0	9	Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	4,803	1.6	14.3
10	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	379	0.9	0.9	10	Septicemia (A40-A41)	4,552	1.5	13.5
...	All other causes (residual)	8,112	19.2	19.8	...	All other causes (residual)	53,381	18.0	158.5
All races, both sexes, 35-44 years					All races, both sexes, 65 years and over				
...	All causes	76,370	100.0	179.7	...	All causes	1,799,830	100.0	4,630.4
1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	16,065	21.0	37.8	1	Diseases of heart (I00-I09,I11,I13,I20-I51)	495,730	27.5	1,275.4
2	Malignant neoplasms (C00-C97)	12,699	16.6	29.9	2	Malignant neoplasms (C00-C97)	391,729	21.8	1,007.8
3	Diseases of heart (I00-I09,I11,I13,I20-I51)	11,336	14.8	26.7	3	Chronic lower respiratory diseases (J40-J47)	121,223	6.7	311.9
4	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	6,703	8.8	15.8	4	Cerebrovascular diseases (I60-I69)	114,508	6.4	294.6
5	Assault (homicide) (*U01-U02,X85-Y09,Y87.1)	2,906	3.8	6.8	5	Alzheimer's disease (G30)	81,573	4.5	209.9
6	Human immunodeficiency virus (HIV) disease (B20-B24)	2,838	3.7	6.7	6	Diabetes mellitus (E10-E14)	50,883	2.8	130.9
7	Chronic liver disease and cirrhosis (K70,K73-K74)	2,562	3.4	6.0	7	Influenza and pneumonia (J09-J18) ⁴	48,382	2.7	124.5
8	Cerebrovascular diseases (I60-I69)	2,035	2.7	4.8	8	Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	39,921	2.2	102.7
9	Diabetes mellitus (E10-E14)	1,854	2.4	4.4	9	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	39,359	2.2	101.3
10	Septicemia (A40-A41)	892	1.2	2.1	10	Septicemia (A40-A41)	27,028	1.5	69.5
...	All other causes (residual)	16,480	21.6	38.8	...	All other causes (residual)	389,494	21.6	1,002.1
All races, both sexes, 45-54 years					All races, both sexes, 65-74 years				
...	All causes	186,542	100.0	420.4	...	All causes	401,579	100.0	1,995.6
1	Malignant neoplasms (C00-C97)	50,403	27.0	113.6	1	Malignant neoplasms (C00-C97)	141,159	35.2	701.5
2	Diseases of heart (I00-I09,I11,I13,I20-I51)	37,892	20.3	85.4	2	Diseases of heart (I00-I09,I11,I13,I20-I51)	90,520	22.5	449.8
3	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	20,354	10.9	45.9	3	Chronic lower respiratory diseases (J40-J47)	31,975	8.0	158.9
4	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	8,287	4.4	18.7	4	Cerebrovascular diseases (I60-I69)	17,897	4.5	88.9
5	Chronic liver disease and cirrhosis (K70,K73-K74)	8,220	4.4	18.5	5	Diabetes mellitus (E10-E14)	15,315	3.8	76.1
6	Cerebrovascular diseases (I60-I69)	6,112	3.3	13.8	6	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	8,994	2.2	44.7
7	Diabetes mellitus (E10-E14)	5,622	3.0	12.7	7	Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	8,182	2.0	40.7
8	Chronic lower respiratory diseases (J40-J47)	4,392	2.4	9.9	8	Septicemia (A40-A41)	6,448	1.6	32.0
9	Human immunodeficiency virus (HIV) disease (B20-B24)	3,730	2.0	8.4	9	Influenza and pneumonia (J09-J18) ⁴	6,252	1.6	31.1
10	Viral hepatitis (B15-B19)	2,732	1.5	6.2	10	Chronic liver disease and cirrhosis (K70,K73-K74)	5,395	1.3	26.8
...	All other causes (residual)	38,798	20.8	87.4	...	All other causes (residual)	69,442	17.3	345.1

See footnotes at end of table.

Table 1. Deaths, percentage of total deaths, and death rates for the 10 leading causes of death in selected age groups, by race and sex: United States, 2008—Con.

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

Rank ¹	Cause of death (based on ICD-10, 2004), race, sex, and age	Number ²	Percent of total deaths	Death rate ²	Rank ¹	Cause of death (based on ICD-10, 2004), race, sex, and age	Number ²	Percent of total deaths	Death rate ²
All races, both sexes, 75–84 years					All races, male, 1–4 years				
...	All causes	653,560	100.0	5,017.7	...	All causes	2,693	100.0	31.5
1	Diseases of heart . . . (I00–I09,I11,I13,I20–I51)	166,286	25.4	1,276.7	1	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	903	33.5	10.6
2	Malignant neoplasms (C00–C97)	160,960	24.6	1,235.8	2	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	273	10.1	3.2
3	Chronic lower respiratory diseases (J40–J47)	51,700	7.9	396.9	3	Assault (homicide) (*U01–*U02,X85–Y09,Y87.1)	234	8.7	2.7
4	Cerebrovascular diseases (I60–I69)	40,963	6.3	314.5	4	Malignant neoplasms (C00–C97)	218	8.1	2.6
5	Alzheimer's disease (G30)	25,172	3.9	193.3	5	Diseases of heart . . . (I00–I09,I11,I13,I20–I51)	97	3.6	1.1
6	Diabetes mellitus (E10–E14)	20,037	3.1	153.8	6	Influenza and pneumonia (J09–J18) ⁴	69	2.6	0.8
7	Influenza and pneumonia (J09–J18) ⁴	15,512	2.4	119.1	7	Septicemia (A40–A41)	42	1.6	0.5
8	Nephritis, nephrotic syndrome and nephrosis . . . (N00–N07,N17–N19,N25–N27)	14,819	2.3	113.8	8	Chronic lower respiratory diseases (J40–J47)	32	1.2	0.4
9	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	13,827	2.1	106.2	9	Cerebrovascular diseases (I60–I69)	29	1.1	0.3
10	Septicemia (A40–A41)	10,717	1.6	82.3	10	Certain conditions originating in the perinatal period (P00–P96)	27	1.0	0.3
...	All other causes (residual)	133,567	20.4	1,025.5	...	All other causes (residual)	769	28.6	9.0
All races, both sexes, 85 years and over					All races, male, 5–9 years				
...	All causes	744,691	100.0	13,015.1	...	All causes	1,396	100.0	13.6
1	Diseases of heart . . . (I00–I09,I11,I13,I20–I51)	238,924	32.1	4,175.7	1	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	507	36.3	4.9
2	Malignant neoplasms (C00–C97)	89,610	12.0	1,566.1	2	Malignant neoplasms (C00–C97)	226	16.2	2.2
3	Cerebrovascular diseases (I60–I69)	55,648	7.5	972.6	3	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	93	6.7	0.9
4	Alzheimer's disease (G30)	52,075	7.0	910.1	4	Assault (homicide) (*U01–*U02,X85–Y09,Y87.1)	62	4.4	0.6
5	Chronic lower respiratory diseases (J40–J47)	37,548	5.0	656.2	5	Diseases of heart . . . (I00–I09,I11,I13,I20–I51)	53	3.8	0.5
6	Influenza and pneumonia (J09–J18) ⁴	26,618	3.6	465.2	6	Chronic lower respiratory diseases (J40–J47)	39	2.8	0.4
7	Nephritis, nephrotic syndrome and nephrosis . . . (N00–N07,N17–N19,N25–N27)	16,920	2.3	295.7	7	In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior (D00–D48)	31	2.2	0.3
8	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	16,538	2.2	289.0	8	Influenza and pneumonia (J09–J18) ⁴	26	1.9	0.3
9	Diabetes mellitus (E10–E14)	15,531	2.1	271.4	9	Cerebrovascular diseases (I60–I69)	24	1.7	0.2
10	Essential hypertension and hypertensive renal disease (I10,I12,I15)	11,189	1.5	195.6	10	Septicemia (A40–A41)	14	1.0	*
...	All other causes (residual)	184,090	24.7	3,217.4	...	All other causes (residual)	321	23.0	3.1
All races, male, all ages ³					All races, male, 10–14 years				
...	All causes	1,226,197	100.0	817.9	...	All causes	1,884	100.0	18.4
1	Diseases of heart . . . (I00–I09,I11,I13,I20–I51)	311,201	25.4	207.6	1	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	682	36.2	6.6
2	Malignant neoplasms (C00–C97)	295,259	24.1	196.9	2	Malignant neoplasms (C00–C97)	228	12.1	2.2
3	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	78,378	6.4	52.3	3	Intentional self-harm (suicide) (*U03,X60–X84,Y87.0)	149	7.9	1.5
4	Chronic lower respiratory diseases (J40–J47)	67,122	5.5	44.8	4	Assault (homicide) (*U01–*U02,X85–Y09,Y87.1)	133	7.1	1.3
5	Cerebrovascular diseases (I60–I69)	53,525	4.4	35.7	5	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	81	4.3	0.8
6	Diabetes mellitus (E10–E14)	35,346	2.9	23.6	6	Diseases of heart . . . (I00–I09,I11,I13,I20–I51)	75	4.0	0.7
7	Intentional self-harm (suicide) (*U03,X60–X84,Y87.0)	28,450	2.3	19.0	7	Chronic lower respiratory diseases (J40–J47)	30	1.6	0.3
8	Influenza and pneumonia (J09–J18) ⁴	25,571	2.1	17.1	8	Cerebrovascular diseases (I60–I69)	25	1.3	0.2
9	Alzheimer's disease (G30)	24,516	2.0	16.4	9	Influenza and pneumonia (J09–J18) ⁴	21	1.1	0.2
10	Nephritis, nephrotic syndrome and nephrosis . . . (N00–N07,N17–N19,N25–N27)	23,533	1.9	15.7	10	Septicemia (A40–A41)	16	0.8	*
...	All other causes (residual)	283,296	23.1	189.0	...	All other causes (residual)	444	23.6	4.3

See footnotes at end of table.

Table 1. Deaths, percentage of total deaths, and death rates for the 10 leading causes of death in selected age groups, by race and sex: United States, 2008—Con.

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

Rank ¹	Cause of death (based on ICD-10, 2004), race, sex, and age	Number ²	Percent of total deaths	Death rate ²	Rank ¹	Cause of death (based on ICD-10, 2004), race, sex, and age	Number ²	Percent of total deaths	Death rate ²
All races, male, 15–19 years					All races, male, 35–44 years				
...	All causes	8,958	100.0	81.2	...	All causes	47,686	100.0	223.7
1	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	3,942	44.0	35.7	1	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	11,322	23.7	53.1
2	Assault (homicide) (*U01–*U02,X85–Y09,Y87.1)	1,809	20.2	16.4	2	Diseases of heart (I00–I09,I11,I13,I20–I51)	7,852	16.5	36.8
3	Intentional self-harm (suicide) (*U03,X60–X84,Y87.0)	1,284	14.3	11.6	3	Malignant neoplasms (C00–C97)	5,492	11.5	25.8
4	Malignant neoplasms (C00–C97)	410	4.6	3.7	4	Intentional self-harm (suicide) (*U03,X60–X84,Y87.0)	5,125	10.7	24.0
5	Diseases of heart (I00–I09,I11,I13,I20–I51)	244	2.7	2.2	5	Assault (homicide) (*U01–*U02,X85–Y09,Y87.1)	2,248	4.7	10.5
6	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	145	1.6	1.3	6	Human immunodeficiency virus (HIV) disease (B20–B24)	1,947	4.1	9.1
7	Cerebrovascular diseases (I60–I69)	42	0.5	0.4	7	Chronic liver disease and cirrhosis (K70,K73–K74)	1,685	3.5	7.9
8	Chronic lower respiratory diseases (J40–J47)	40	0.4	0.4	8	Diabetes mellitus (E10–E14)	1,143	2.4	5.4
9	In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior (D00–D48)	38	0.4	0.3	9	Cerebrovascular diseases (I60–I69)	1,083	2.3	5.1
10	Influenza and pneumonia (J09–J18) ^d	33	0.4	0.3	10	Influenza and pneumonia (J09–J18) ^d	486	1.0	2.3
...	All other causes (residual)	971	10.8	8.8	...	All other causes (residual)	9,303	19.5	43.6
All races, male, 20–24 years					All races, male, 45–54 years				
...	All causes	15,069	100.0	138.9	...	All causes	115,038	100.0	526.4
1	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	6,687	44.4	61.7	1	Diseases of heart (I00–I09,I11,I13,I20–I51)	26,871	23.4	123.0
2	Assault (homicide) (*U01–*U02,X85–Y09,Y87.1)	2,764	18.3	25.5	2	Malignant neoplasms (C00–C97)	25,725	22.4	117.7
3	Intentional self-harm (suicide) (*U03,X60–X84,Y87.0)	2,276	15.1	21.0	3	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	13,882	12.1	63.5
4	Malignant neoplasms (C00–C97)	611	4.1	5.6	4	Intentional self-harm (suicide) (*U03,X60–X84,Y87.0)	6,246	5.4	28.6
5	Diseases of heart (I00–I09,I11,I13,I20–I51)	491	3.3	4.5	5	Chronic liver disease and cirrhosis (K70,K73–K74)	5,779	5.0	26.4
6	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	140	0.9	1.3	6	Diabetes mellitus (E10–E14)	3,492	3.0	16.0
7	Diabetes mellitus (E10–E14)	99	0.7	0.9	7	Cerebrovascular diseases (I60–I69)	3,346	2.9	15.3
8	Influenza and pneumonia (J09–J18) ^d	91	0.6	0.8	8	Human immunodeficiency virus (HIV) disease (B20–B24)	2,757	2.4	12.6
9	Human immunodeficiency virus (HIV) disease (B20–B24)	82	0.5	0.8	9	Chronic lower respiratory diseases (J40–J47)	2,212	1.9	10.1
10	Cerebrovascular diseases (I60–I69)	68	0.5	0.6	10	Viral hepatitis (B15–B19)	1,958	1.7	9.0
...	All other causes (residual)	1,760	11.7	16.2	...	All other causes (residual)	22,770	19.8	104.2
All races, male, 25–34 years					All races, male, 55–64 years				
...	All causes	29,635	100.0	141.8	...	All causes	179,550	100.0	1,104.9
1	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	11,223	37.9	53.7	1	Malignant neoplasms (C00–C97)	57,542	32.0	354.1
2	Intentional self-harm (suicide) (*U03,X60–X84,Y87.0)	4,273	14.4	20.4	2	Diseases of heart (I00–I09,I11,I13,I20–I51)	46,270	25.8	284.7
3	Assault (homicide) (*U01–*U02,X85–Y09,Y87.1)	3,895	13.1	18.6	3	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	8,891	5.0	54.7
4	Diseases of heart (I00–I09,I11,I13,I20–I51)	2,176	7.3	10.4	4	Chronic lower respiratory diseases (J40–J47)	7,363	4.1	45.3
5	Malignant neoplasms (C00–C97)	1,770	6.0	8.5	5	Diabetes mellitus (E10–E14)	6,692	3.7	41.2
6	Human immunodeficiency virus (HIV) disease (B20–B24)	606	2.0	2.9	6	Chronic liver disease and cirrhosis (K70,K73–K74)	6,108	3.4	37.6
7	Diabetes mellitus (E10–E14)	323	1.1	1.5	7	Cerebrovascular diseases (I60–I69)	5,852	3.3	36.0
8	Cerebrovascular diseases (I60–I69)	296	1.0	1.4	8	Intentional self-harm (suicide) (*U03,X60–X84,Y87.0)	4,245	2.4	26.1
9	Chronic liver disease and cirrhosis (K70,K73–K74)	287	1.0	1.4	9	Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27)	2,673	1.5	16.4
10	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	209	0.7	1.0	10	Septicemia (A40–A41)	2,414	1.3	14.9
...	All other causes (residual)	4,577	15.4	21.9	...	All other causes (residual)	31,500	17.5	193.8

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

Rank ¹	Cause of death (based on ICD-10, 2004), race, sex, and age	Number ²	Percent of total deaths	Death rate ²	Rank ¹	Cause of death (based on ICD-10, 2004), race, sex, and age	Number ²	Percent of total deaths	Death rate ²
All races, male, 65 years and over					All races, male, 85 years and over				
...	All causes	808,517	100.0	4,910.6	...	All causes	261,221	100.0	14,017.3
1	Diseases of heart . . . (I00-I09,I11,I13,I20-I51)	226,837	28.1	1,377.7	1	Diseases of heart . . . (I00-I09,I11,I13,I20-I51)	84,530	32.4	4,535.9
2	Malignant neoplasms (C00-C97)	202,983	25.1	1,232.8	2	Malignant neoplasms (C00-C97)	40,645	15.6	2,181.0
3	Chronic lower respiratory diseases (J40-J47)	56,809	7.0	345.0	3	Cerebrovascular diseases (I60-I69)	16,050	6.1	861.3
4	Cerebrovascular diseases (I60-I69)	42,689	5.3	259.3	4	Chronic lower respiratory diseases (J40-J47)	15,533	5.9	833.5
5	Alzheimer's disease (G30)	24,128	3.0	146.5	5	Alzheimer's disease (G30)	13,043	5.0	699.9
6	Diabetes mellitus (E10-E14)	23,543	2.9	143.0	6	Influenza and pneumonia (J09-J18) ⁴	9,908	3.8	531.7
7	Influenza and pneumonia (J09-J18) ⁴	21,086	2.6	128.1	7	Nephritis, nephrotic syndrome and nephrosis . . . (N00-N07,N17-N19,N25-N27)	7,015	2.7	376.4
8	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	19,592	2.4	119.0	8	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	6,559	2.5	352.0
9	Nephritis, nephrotic syndrome and nephrosis . . . (N00-N07,N17-N19,N25-N27)	18,821	2.3	114.3	9	Diabetes mellitus (E10-E14)	5,681	2.2	304.8
10	Parkinson's disease (G20-G21)	11,651	1.4	70.8	10	Parkinson's disease (G20-G21)	4,229	1.6	226.9
...	All other causes (residual)	160,378	19.8	974.1	...	All other causes (residual)	58,028	22.2	3,113.8
All races, male, 65-74 years					All races, female, all ages ³				
...	All causes	225,400	100.0	2,432.8	...	All causes	1,245,787	100.0	808.2
1	Malignant neoplasms (C00-C97)	77,626	34.4	837.8	1	Diseases of heart . . . (I00-I09,I11,I13,I20-I51)	305,627	24.5	198.3
2	Diseases of heart . . . (I00-I09,I11,I13,I20-I51)	56,442	25.0	609.2	2	Malignant neoplasms (C00-C97)	270,210	21.7	175.3
3	Chronic lower respiratory diseases (J40-J47)	16,139	7.2	174.2	3	Cerebrovascular diseases (I60-I69)	80,623	6.5	52.3
4	Cerebrovascular diseases (I60-I69)	9,274	4.1	100.1	4	Chronic lower respiratory diseases (J40-J47)	73,968	5.9	48.0
5	Diabetes mellitus (E10-E14)	8,342	3.7	90.0	5	Alzheimer's disease (G30)	57,919	4.6	37.6
6	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	5,709	2.5	61.6	6	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	43,524	3.5	28.2
7	Nephritis, nephrotic syndrome and nephrosis . . . (N00-N07,N17-N19,N25-N27)	4,303	1.9	46.4	7	Diabetes mellitus (E10-E14)	35,207	2.8	22.8
8	Influenza and pneumonia (J09-J18) ⁴	3,452	1.5	37.3	8	Influenza and pneumonia (J09-J18) ⁴	30,713	2.5	19.9
9	Chronic liver disease and cirrhosis (K70,K73-K74)	3,380	1.5	36.5	9	Nephritis, nephrotic syndrome and nephrosis . . . (N00-N07,N17-N19,N25-N27)	24,704	2.0	16.0
10	Septicemia (A40-A41)	3,219	1.4	34.7	10	Septicemia (A40-A41)	19,599	1.6	12.7
...	All other causes (residual)	37,514	16.6	404.9	...	All other causes (residual)	303,693	24.4	197.0
All races, male, 75-84 years					All races, female, 1-4 years				
...	All causes	321,896	100.0	6,032.2	...	All causes	2,037	100.0	25.0
1	Diseases of heart . . . (I00-I09,I11,I13,I20-I51)	85,865	26.7	1,609.1	1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	566	27.8	6.9
2	Malignant neoplasms (C00-C97)	84,712	26.3	1,587.5	2	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	248	12.2	3.0
3	Chronic lower respiratory diseases (J40-J47)	25,137	7.8	471.1	3	Assault (homicide) . . . (*U01-U02,X85-Y09,Y87.1)	187	9.2	2.3
4	Cerebrovascular diseases (I60-I69)	17,365	5.4	325.4	4	Malignant neoplasms (C00-C97)	176	8.6	2.2
5	Diabetes mellitus (E10-E14)	9,520	3.0	178.4	5	Diseases of heart . . . (I00-I09,I11,I13,I20-I51)	89	4.4	1.1
6	Alzheimer's disease (G30)	9,219	2.9	172.8	6	Influenza and pneumonia (J09-J18) ⁴	73	3.6	0.9
7	Influenza and pneumonia (J09-J18) ⁴	7,726	2.4	144.8	7	Septicemia (A40-A41)	51	2.5	0.6
8	Nephritis, nephrotic syndrome and nephrosis . . . (N00-N07,N17-N19,N25-N27)	7,503	2.3	140.6	8	Cerebrovascular diseases (I60-I69)	34	1.7	0.4
9	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	7,324	2.3	137.2	9	In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior (D00-D48)	25	1.2	0.3
10	Parkinson's disease (G20-G21)	5,774	1.8	108.2	10	Certain conditions originating in the perinatal period (P00-P96)	24	1.2	0.3
...	All other causes (residual)	61,751	19.2	1,157.2	...	All other causes (residual)	564	27.7	6.9

See footnotes at end of table.

Table 1. Deaths, percentage of total deaths, and death rates for the 10 leading causes of death in selected age groups, by race and sex: United States, 2008—Con.

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

Rank ¹	Cause of death (based on ICD-10, 2004), race, sex, and age	Number ²	Percent of total deaths	Death rate ²	Rank ¹	Cause of death (based on ICD-10, 2004), race, sex, and age	Number ²	Percent of total deaths	Death rate ²
All races, female, 5-9 years					All races, female, 20-24 years				
...	All causes	1,106	100.0	11.3	...	All causes	4,722	100.0	46.2
1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	328	29.7	3.3	1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	1,861	39.4	18.2
2	Malignant neoplasms (C00-C97)	231	20.9	2.4	2	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	418	8.9	4.1
3	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	77	7.0	0.8	3	Assault (homicide) (*U01-*U02,X85-Y09,Y87.1)	416	8.8	4.1
4	Assault (homicide) (*U01-*U02,X85-Y09,Y87.1)	51	4.6	0.5	4	Malignant neoplasms (C00-C97)	367	7.8	3.6
5	Diseases of heart (I00-I09,I11,I13,I20-I51)	44	4.0	0.4	5	Diseases of heart (I00-I09,I11,I13,I20-I51)	211	4.5	2.1
6	In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior (D00-D48)	28	2.5	0.3	6	Pregnancy, childbirth and the puerperium (O00-O99)	128	2.7	1.3
7	Cerebrovascular diseases (I60-I69)	17	1.5	*	7	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	97	2.1	0.9
8	Chronic lower respiratory diseases (J40-J47)	16	1.4	*	8	Human immunodeficiency virus (HIV) disease (B20-B24)	58	1.2	0.6
9	Influenza and pneumonia (J09-J18) ^d	14	1.3	*	9	Septicemia (A40-A41)	53	1.1	0.5
9	Certain conditions originating in the perinatal period (P00-P96)	14	1.3	*	9	Diabetes mellitus (E10-E14)	53	1.1	0.5
...	All other causes (residual)	286	25.9	2.9	...	All other causes (residual)	1,060	22.4	10.4
All races, female, 10-14 years					All races, female, 25-34 years				
...	All causes	1,265	100.0	12.9	...	All causes	12,640	100.0	63.1
1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	342	27.0	3.5	1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	3,365	26.6	16.8
2	Malignant neoplasms (C00-C97)	205	16.2	2.1	2	Malignant neoplasms (C00-C97)	1,751	13.9	8.7
3	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	80	6.3	0.8	3	Diseases of heart (I00-I09,I11,I13,I20-I51)	1,078	8.5	5.4
4	Assault (homicide) (*U01-*U02,X85-Y09,Y87.1)	74	5.8	0.8	4	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	1,027	8.1	5.1
5	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	66	5.2	0.7	5	Assault (homicide) (*U01-*U02,X85-Y09,Y87.1)	715	5.7	3.6
6	Diseases of heart (I00-I09,I11,I13,I20-I51)	57	4.5	0.6	6	Human immunodeficiency virus (HIV) disease (B20-B24)	369	2.9	1.8
7	Chronic lower respiratory diseases (J40-J47)	34	2.7	0.3	7	Pregnancy, childbirth and the puerperium (O00-O99)	352	2.8	1.8
8	Cerebrovascular diseases (I60-I69)	31	2.5	0.3	8	Diabetes mellitus (E10-E14)	251	2.0	1.3
9	Influenza and pneumonia (J09-J18) ^d	28	2.2	0.3	9	Cerebrovascular diseases (I60-I69)	243	1.9	1.2
10	Septicemia (A40-A41)	20	1.6	0.2	10	Septicemia (A40-A41)	171	1.4	0.9
...	All other causes (residual)	328	25.9	3.3	...	All other causes (residual)	3,318	26.3	16.6
All races, female, 15-19 years					All races, female, 35-44 years				
...	All causes	3,449	100.0	32.9	...	All causes	28,684	100.0	135.4
1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	1,599	46.4	15.2	1	Malignant neoplasms (C00-C97)	7,207	25.1	34.0
2	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	320	9.3	3.1	2	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	4,743	16.5	22.4
3	Assault (homicide) (*U01-*U02,X85-Y09,Y87.1)	286	8.3	2.7	3	Diseases of heart (I00-I09,I11,I13,I20-I51)	3,484	12.1	16.4
4	Malignant neoplasms (C00-C97)	275	8.0	2.6	4	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	1,578	5.5	7.4
5	Diseases of heart (I00-I09,I11,I13,I20-I51)	119	3.5	1.1	5	Cerebrovascular diseases (I60-I69)	952	3.3	4.5
6	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	85	2.5	0.8	6	Human immunodeficiency virus (HIV) disease (B20-B24)	891	3.1	4.2
7	Pregnancy, childbirth and the puerperium (O00-O99)	41	1.2	0.4	7	Chronic liver disease and cirrhosis (K70,K73-K74)	877	3.1	4.1
8	Influenza and pneumonia (J09-J18) ^d	31	0.9	0.3	8	Diabetes mellitus (E10-E14)	711	2.5	3.4
8	Chronic lower respiratory diseases (J40-J47)	31	0.9	0.3	9	Assault (homicide) (*U01-*U02,X85-Y09,Y87.1)	658	2.3	3.1
10	Cerebrovascular diseases (I60-I69)	30	0.9	0.3	10	Septicemia (A40-A41)	426	1.5	2.0
...	All other causes (residual)	632	18.3	6.0	...	All other causes (residual)	7,157	25.0	33.8

See footnotes at end of table.

Table 1. Deaths, percentage of total deaths, and death rates for the 10 leading causes of death in selected age groups, by race and sex: United States, 2008—Con.

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

Rank ¹	Cause of death (based on ICD-10, 2004), race, sex, and age	Number ²	Percent of total deaths	Death rate ²	Rank ¹	Cause of death (based on ICD-10, 2004), race, sex, and age	Number ²	Percent of total deaths	Death rate ²
All races, female, 45-54 years					All races, female, 65-74 years				
...	All causes	71,504	100.0	317.5	...	All causes	176,179	100.0	1,622.6
1	Malignant neoplasms (C00-C97)	24,678	34.5	109.6	1	Malignant neoplasms (C00-C97)	63,533	36.1	585.1
2	Diseases of heart (I00-I09,I11,I13,I20-I51)	11,021	15.4	48.9	2	Diseases of heart (I00-I09,I11,I13,I20-I51)	34,078	19.3	313.9
3	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	6,472	9.1	28.7	3	Chronic lower respiratory diseases (J40-J47)	15,836	9.0	145.8
4	Cerebrovascular diseases (I60-I69)	2,766	3.9	12.3	4	Cerebrovascular diseases (I60-I69)	8,623	4.9	79.4
5	Chronic liver disease and cirrhosis (K70,K73-K74)	2,441	3.4	10.8	5	Diabetes mellitus (E10-E14)	6,973	4.0	64.2
6	Chronic lower respiratory diseases (J40-J47)	2,180	3.0	9.7	6	Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	3,879	2.2	35.7
7	Diabetes mellitus (E10-E14)	2,130	3.0	9.5	7	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	3,285	1.9	30.3
8	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	2,041	2.9	9.1	8	Septicemia (A40-A41)	3,229	1.8	29.7
9	Septicemia (A40-A41)	1,179	1.6	5.2	9	Influenza and pneumonia (J09-J18) ⁴	2,800	1.6	25.8
10	Influenza and pneumonia (J09-J18) ⁴	1,009	1.4	4.5	10	Alzheimer's disease (G30)	2,460	1.4	22.7
...	All other causes (residual)	15,587	21.8	69.2	...	All other causes (residual)	31,483	17.9	290.0
All races, female, 55-64 years					All races, female, 75-84 years				
...	All causes	116,632	100.0	668.9	...	All causes	331,664	100.0	4,313.7
1	Malignant neoplasms (C00-C97)	46,549	39.9	267.0	1	Diseases of heart (I00-I09,I11,I13,I20-I51)	80,421	24.2	1,046.0
2	Diseases of heart (I00-I09,I11,I13,I20-I51)	20,441	17.5	117.2	2	Malignant neoplasms (C00-C97)	76,248	23.0	991.7
3	Chronic lower respiratory diseases (J40-J47)	6,679	5.7	38.3	3	Chronic lower respiratory diseases (J40-J47)	26,563	8.0	345.5
4	Diabetes mellitus (E10-E14)	4,678	4.0	26.8	4	Cerebrovascular diseases (I60-I69)	23,598	7.1	306.9
5	Cerebrovascular diseases (I60-I69)	4,607	4.0	26.4	5	Alzheimer's disease (G30)	15,953	4.8	207.5
6	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	3,891	3.3	22.3	6	Diabetes mellitus (E10-E14)	10,517	3.2	136.8
7	Chronic liver disease and cirrhosis (K70,K73-K74)	2,418	2.1	13.9	7	Influenza and pneumonia (J09-J18) ⁴	7,786	2.3	101.3
8	Septicemia (A40-A41)	2,138	1.8	12.3	8	Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	7,316	2.2	95.2
9	Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	2,130	1.8	12.2	9	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	6,503	2.0	84.6
10	Influenza and pneumonia (J09-J18) ⁴	1,552	1.3	8.9	10	Septicemia (A40-A41)	5,828	1.8	75.8
...	All other causes (residual)	21,549	18.5	123.6	...	All other causes (residual)	70,931	21.4	922.5
All races, female, 65 years and over					All races, female, 85 years and over				
...	All causes	991,313	100.0	4,424.5	...	All causes	483,470	100.0	12,531.0
1	Diseases of heart (I00-I09,I11,I13,I20-I51)	268,893	27.1	1,200.2	1	Diseases of heart (I00-I09,I11,I13,I20-I51)	154,394	31.9	4,001.7
2	Malignant neoplasms (C00-C97)	188,746	19.0	842.4	2	Malignant neoplasms (C00-C97)	48,965	10.1	1,269.1
3	Cerebrovascular diseases (I60-I69)	71,819	7.2	320.6	3	Cerebrovascular diseases (I60-I69)	39,598	8.2	1,026.3
4	Chronic lower respiratory diseases (J40-J47)	64,414	6.5	287.5	4	Alzheimer's disease (G30)	39,032	8.1	1,011.7
5	Alzheimer's disease (G30)	57,445	5.8	256.4	5	Chronic lower respiratory diseases (J40-J47)	22,015	4.6	570.6
6	Diabetes mellitus (E10-E14)	27,340	2.8	122.0	6	Influenza and pneumonia (J09-J18) ⁴	16,710	3.5	433.1
7	Influenza and pneumonia (J09-J18) ⁴	27,296	2.8	121.8	7	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	9,979	2.1	258.6
8	Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	21,100	2.1	94.2	8	Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	9,905	2.0	256.7
9	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	19,767	2.0	88.2	9	Diabetes mellitus (E10-E14)	9,850	2.0	255.3
10	Septicemia (A40-A41)	15,384	1.6	68.7	10	Essential hypertension and hypertensive renal disease (I10,I12,I15)	8,082	1.7	209.5
...	All other causes (residual)	229,109	23.1	1,022.6	...	All other causes (residual)	124,940	25.8	3,238.3

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Table 1. Deaths, percentage of total deaths, and death rates for the 10 leading causes of death in selected age groups, by race and sex: United States, 2008—Con.

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

Rank ¹	Cause of death (based on ICD-10, 2004), race, sex, and age	Number ²	Percent of total deaths	Death rate ²	Rank ¹	Cause of death (based on ICD-10, 2004), race, sex, and age	Number ²	Percent of total deaths	Death rate ²
White, both sexes, all ages ³					White, both sexes, 10-14 years				
...	All causes	2,120,233	100.0	864.6	...	All causes	2,276	100.0	14.6
1	Diseases of heart . . . (I00-I09,I11,I13,I20-I51)	532,304	25.1	217.1	1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	787	34.6	5.1
2	Malignant neoplasms (C00-C97)	485,893	22.9	198.1	2	Malignant neoplasms (C00-C97)	342	15.0	2.2
3	Chronic lower respiratory diseases (J40-J47)	130,221	6.1	53.1	3	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	166	7.3	1.1
4	Cerebrovascular diseases (I60-I69)	113,244	5.3	46.2	4	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	108	4.7	0.7
5	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	105,715	5.0	43.1	5	Assault (homicide) . . . (*U01-*U02,X85-Y09,Y87.1)	101	4.4	0.6
6	Alzheimer's disease (G30)	76,263	3.6	31.1	6	Diseases of heart . . . (I00-I09,I11,I13,I20-I51)	82	3.6	0.5
7	Diabetes mellitus (E10-E14)	55,893	2.6	22.8	7	Cerebrovascular diseases (I60-I69)	44	1.9	0.3
8	Influenza and pneumonia (J09-J18) ⁴	48,941	2.3	20.0	8	Influenza and pneumonia (J09-J18) ⁴	40	1.8	0.3
9	Nephritis, nephrotic syndrome and nephrosis . . . (N00-N07,N17-N19,N25-N27)	38,352	1.8	15.6	9	Septicemia (A40-A41)	29	1.3	0.2
10	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	32,644	1.5	13.3	10	Chronic lower respiratory diseases (J40-J47)	23	1.0	0.1
...	All other causes (residual)	500,763	23.6	204.2	...	All other causes (residual)	554	24.3	3.6
White, both sexes, 1-4 years					White, both sexes, 15-19 years				
...	All causes	3,349	100.0	26.0	...	All causes	9,014	100.0	54.1
1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	1,091	32.6	8.5	1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	4,661	51.7	28.0
2	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	386	11.5	3.0	2	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	1,297	14.4	7.8
3	Malignant neoplasms (C00-C97)	325	9.7	2.5	3	Assault (homicide) . . . (*U01-*U02,X85-Y09,Y87.1)	812	9.0	4.9
4	Assault (homicide) . . . (*U01-*U02,X85-Y09,Y87.1)	242	7.2	1.9	4	Malignant neoplasms (C00-C97)	539	6.0	3.2
5	Diseases of heart . . . (I00-I09,I11,I13,I20-I51)	107	3.2	0.8	5	Diseases of heart . . . (I00-I09,I11,I13,I20-I51)	210	2.3	1.3
6	Influenza and pneumonia (J09-J18) ⁴	89	2.7	0.7	6	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	161	1.8	1.0
7	Septicemia (A40-A41)	69	2.1	0.5	7	Cerebrovascular diseases (I60-I69)	60	0.7	0.4
8	Cerebrovascular diseases (I60-I69)	45	1.3	0.3	8	Influenza and pneumonia (J09-J18) ⁴	52	0.6	0.3
9	In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior (D00-D48)	37	1.1	0.3	9	In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior (D00-D48)	37	0.4	0.2
10	Certain conditions originating in the perinatal period (P00-P96)	33	1.0	0.3	10	Septicemia (A40-A41)	36	0.4	0.2
...	All other causes (residual)	925	27.6	7.2	...	All other causes (residual)	1,149	12.7	6.9
White, both sexes, 5-9 years					White, both sexes, 20-24 years				
...	All causes	1,787	100.0	11.4	...	All causes	14,611	100.0	88.4
1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	600	33.6	3.8	1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	7,348	50.3	44.5
2	Malignant neoplasms (C00-C97)	353	19.8	2.3	2	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	2,221	15.2	13.4
3	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	126	7.1	0.8	3	Assault (homicide) . . . (*U01-*U02,X85-Y09,Y87.1)	1,284	8.8	7.8
4	Diseases of heart . . . (I00-I09,I11,I13,I20-I51)	71	4.0	0.5	4	Malignant neoplasms (C00-C97)	753	5.2	4.6
5	Assault (homicide) . . . (*U01-*U02,X85-Y09,Y87.1)	65	3.6	0.4	5	Diseases of heart . . . (I00-I09,I11,I13,I20-I51)	420	2.9	2.5
6	In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior (D00-D48)	40	2.2	0.3	6	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	169	1.2	1.0
7	Cerebrovascular diseases (I60-I69)	29	1.6	0.2	7	Influenza and pneumonia (J09-J18) ⁴	102	0.7	0.6
8	Influenza and pneumonia (J09-J18) ⁴	25	1.4	0.2	8	Diabetes mellitus (E10-E14)	96	0.7	0.6
9	Chronic lower respiratory diseases (J40-J47)	21	1.2	0.1	9	Pregnancy, childbirth and the puerperium (O00-O99)	81	0.6	0.5
10	Certain conditions originating in the perinatal period (P00-P96)	15	0.8	*	10	Cerebrovascular diseases (I60-I69)	78	0.5	0.5
...	All other causes (residual)	442	24.7	2.8	...	All other causes (residual)	2,059	14.1	12.5

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Rank ¹	Cause of death (based on ICD-10, 2004), race, sex, and age	Number ²	Percent of total deaths	Death rate ²	Rank ¹	Cause of death (based on ICD-10, 2004), race, sex, and age	Number ²	Percent of total deaths	Death rate ²
White, both sexes, 25-34 years					White, both sexes, 55-64 years				
...	All causes	31,112	100.0	96.9	...	All causes	238,915	100.0	840.5
1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	12,423	39.9	38.7	1	Malignant neoplasms (C00-C97)	86,009	36.0	302.6
2	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	4,515	14.5	14.1	2	Diseases of heart (I00-I09,I11,I13,I20-I51)	52,484	22.0	184.6
3	Malignant neoplasms (C00-C97)	2,710	8.7	8.4	3	Chronic lower respiratory diseases (J40-J47)	12,480	5.2	43.9
4	Diseases of heart (I00-I09,I11,I13,I20-I51)	2,070	6.7	6.4	4	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	10,817	4.5	38.1
5	Assault (homicide) (*U01-*U02,X85-Y09,Y87.1)	1,999	6.4	6.2	5	Diabetes mellitus (E10-E14)	8,613	3.6	30.3
6	Diabetes mellitus (E10-E14)	372	1.2	1.2	6	Cerebrovascular diseases (I60-I69)	7,392	3.1	26.0
7	Cerebrovascular diseases (I60-I69)	362	1.2	1.1	7	Chronic liver disease and cirrhosis (K70,K73-K74)	7,377	3.1	26.0
8	Human immunodeficiency virus (HIV) disease (B20-B24)	336	1.1	1.0	8	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	5,179	2.2	18.2
9	Chronic liver disease and cirrhosis (K70,K73-K74)	333	1.1	1.0	9	Septicemia (A40-A41)	3,350	1.4	11.8
10	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	313	1.0	1.0	10	Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	3,124	1.3	11.0
...	All other causes (residual)	5,679	18.3	17.7	...	All other causes (residual)	42,090	17.6	148.1
White, both sexes, 35-44 years					White, both sexes, 65 years and over				
...	All causes	57,609	100.0	170.3	...	All causes	1,598,502	100.0	4,716.8
1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	13,677	23.7	40.4	1	Diseases of heart (I00-I09,I11,I13,I20-I51)	439,924	27.5	1,298.1
2	Malignant neoplasms (C00-C97)	9,726	16.9	28.8	2	Malignant neoplasms (C00-C97)	345,266	21.6	1,018.8
3	Diseases of heart (I00-I09,I11,I13,I20-I51)	8,067	14.0	23.9	3	Chronic lower respiratory diseases (J40-J47)	113,205	7.1	334.0
4	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	6,074	10.5	18.0	4	Cerebrovascular diseases (I60-I69)	99,955	6.3	294.9
5	Chronic liver disease and cirrhosis (K70,K73-K74)	2,169	3.8	6.4	5	Alzheimer's disease (G30)	75,481	4.7	222.7
6	Assault (homicide) (*U01-*U02,X85-Y09,Y87.1)	1,577	2.7	4.7	6	Influenza and pneumonia (J09-J18) ^d	42,972	2.7	126.8
7	Cerebrovascular diseases (I60-I69)	1,299	2.3	3.8	7	Diabetes mellitus (E10-E14)	41,419	2.6	122.2
8	Diabetes mellitus (E10-E14)	1,257	2.2	3.7	8	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	36,187	2.3	106.8
9	Human immunodeficiency virus (HIV) disease (B20-B24)	1,221	2.1	3.6	9	Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	33,136	2.1	97.8
10	Influenza and pneumonia (J09-J18) ^d	644	1.1	1.9	10	Septicemia (A40-A41)	22,420	1.4	66.2
...	All other causes (residual)	11,898	20.7	35.2	...	All other causes (residual)	348,537	21.8	1,028.4
White, both sexes, 45-54 years					White, both sexes, 65-74 years				
...	All causes	144,776	100.0	397.4	...	All causes	338,697	100.0	1,958.5
1	Malignant neoplasms (C00-C97)	39,812	27.5	109.3	1	Malignant neoplasms (C00-C97)	121,118	35.8	700.3
2	Diseases of heart (I00-I09,I11,I13,I20-I51)	28,592	19.7	78.5	2	Diseases of heart (I00-I09,I11,I13,I20-I51)	74,563	22.0	431.1
3	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	17,260	11.9	47.4	3	Chronic lower respiratory diseases (J40-J47)	29,452	8.7	170.3
4	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	7,745	5.3	21.3	4	Cerebrovascular diseases (I60-I69)	14,057	4.2	81.3
5	Chronic liver disease and cirrhosis (K70,K73-K74)	7,062	4.9	19.4	5	Diabetes mellitus (E10-E14)	11,795	3.5	68.2
6	Diabetes mellitus (E10-E14)	4,071	2.8	11.2	6	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	7,791	2.3	45.1
7	Cerebrovascular diseases (I60-I69)	3,882	2.7	10.7	7	Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	5,976	1.8	34.6
8	Chronic lower respiratory diseases (J40-J47)	3,642	2.5	10.0	8	Influenza and pneumonia (J09-J18) ^d	5,124	1.5	29.6
9	Viral hepatitis (B15-B19)	2,274	1.6	6.2	9	Septicemia (A40-A41)	5,024	1.5	29.1
10	Septicemia (A40-A41)	1,720	1.2	4.7	10	Chronic liver disease and cirrhosis (K70,K73-K74)	4,849	1.4	28.0
...	All other causes (residual)	28,716	19.8	78.8	...	All other causes (residual)	58,948	17.4	340.9

See footnotes at end of table.

Table 1. Deaths, percentage of total deaths, and death rates for the 10 leading causes of death in selected age groups, by race and sex: United States, 2008—Con.

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

Rank ¹	Cause of death (based on ICD-10, 2004), race, sex, and age	Number ²	Percent of total deaths	Death rate ²	Rank ¹	Cause of death (based on ICD-10, 2004), race, sex, and age	Number ²	Percent of total deaths	Death rate ²
White, both sexes, 75-84 years					White, male, 1-4 years				
...	All causes	579,426	100.0	5,049.9	...	All causes	1,919	100.0	29.1
1	Diseases of heart . . . (I00-I09,I11,I13,I20-I51)	146,184	25.2	1,274.0	1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	673	35.1	10.2
2	Malignant neoplasms (C00-C97)	143,162	24.7	1,247.7	2	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	202	10.5	3.1
3	Chronic lower respiratory diseases (J40-J47)	48,426	8.4	422.1	3	Malignant neoplasms (C00-C97)	175	9.1	2.7
4	Cerebrovascular diseases (I60-I69)	35,423	6.1	308.7	4	Assault (homicide) (*U01-*U02,X85-Y09,Y87.1)	132	6.9	2.0
5	Alzheimer's disease (G30)	23,140	4.0	201.7	5	Diseases of heart . . . (I00-I09,I11,I13,I20-I51)	57	3.0	0.9
6	Diabetes mellitus (E10-E14)	16,386	2.8	142.8	6	Influenza and pneumonia (J09-J18) [†]	41	2.1	0.6
7	Influenza and pneumonia (J09-J18) [†]	13,537	2.3	118.0	7	Septicemia (A40-A41)	31	1.6	0.5
8	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	12,765	2.2	111.3	8	Cerebrovascular diseases (I60-I69)	20	1.0	0.3
9	Nephritis, nephrotic syndrome and nephrosis . . . (N00-N07,N17-N19,N25-N27)	12,307	2.1	107.3	9	Certain conditions originating in the perinatal period (P00-P96)	19	1.0	*
10	Septicemia (A40-A41)	8,939	1.5	77.9	10	Chronic lower respiratory diseases (J40-J47)	18	0.9	*
...	All other causes (residual)	119,157	20.6	1,038.5	...	All other causes (residual)	551	28.7	8.4
White, both sexes, 85 years and over					White, male, 5-9 years				
...	All causes	680,379	100.0	13,283.8	...	All causes	979	100.0	12.2
1	Diseases of heart . . . (I00-I09,I11,I13,I20-I51)	219,177	32.2	4,279.2	1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	366	37.4	4.6
2	Malignant neoplasms (C00-C97)	80,986	11.9	1,581.2	2	Malignant neoplasms (C00-C97)	175	17.9	2.2
3	Cerebrovascular diseases (I60-I69)	50,475	7.4	985.5	3	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	62	6.3	0.8
4	Alzheimer's disease (G30)	48,484	7.1	946.6	4	Diseases of heart . . . (I00-I09,I11,I13,I20-I51)	41	4.2	0.5
5	Chronic lower respiratory diseases (J40-J47)	35,327	5.2	689.7	5	Assault (homicide) (*U01-*U02,X85-Y09,Y87.1)	39	4.0	0.5
6	Influenza and pneumonia (J09-J18) [†]	24,311	3.6	474.6	6	In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior (D00-D48)	18	1.8	*
7	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	15,631	2.3	305.2	7	Cerebrovascular diseases (I60-I69)	16	1.6	*
8	Nephritis, nephrotic syndrome and nephrosis . . . (N00-N07,N17-N19,N25-N27)	14,853	2.2	290.0	7	Influenza and pneumonia (J09-J18) [†]	16	1.6	*
9	Diabetes mellitus (E10-E14)	13,238	1.9	258.5	9	Chronic lower respiratory diseases (J40-J47)	11	1.1	*
10	Essential hypertension and hypertensive renal disease (I10,I12,I15)	9,595	1.4	187.3	10	Septicemia (A40-A41)	9	0.9	*
...	All other causes (residual)	168,302	24.7	3,285.9	...	All other causes (residual)	226	23.1	2.8
White, male, all ages ³					White, male, 10-14 years				
...	All causes	1,046,183	100.0	860.3	...	All causes	1,359	100.0	17.0
1	Diseases of heart . . . (I00-I09,I11,I13,I20-I51)	268,317	25.6	220.6	1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	525	38.6	6.6
2	Malignant neoplasms (C00-C97)	254,124	24.3	209.0	2	Malignant neoplasms (C00-C97)	184	13.5	2.3
3	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	67,471	6.4	55.5	3	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	118	8.7	1.5
4	Chronic lower respiratory diseases (J40-J47)	61,383	5.9	50.5	4	Assault (homicide) (*U01-*U02,X85-Y09,Y87.1)	63	4.6	0.8
5	Cerebrovascular diseases (I60-I69)	44,457	4.2	36.6	5	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	51	3.8	0.6
6	Diabetes mellitus (E10-E14)	28,598	2.7	23.5	6	Diseases of heart . . . (I00-I09,I11,I13,I20-I51)	43	3.2	0.5
7	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	25,801	2.5	21.2	7	Influenza and pneumonia (J09-J18) [†]	18	1.3	*
8	Alzheimer's disease (G30)	22,752	2.2	18.7	8	Cerebrovascular diseases (I60-I69)	16	1.2	*
9	Influenza and pneumonia (J09-J18) [†]	22,048	2.1	18.1	9	Septicemia (A40-A41)	12	0.9	*
10	Nephritis, nephrotic syndrome and nephrosis . . . (N00-N07,N17-N19,N25-N27)	18,992	1.8	15.6	9	In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior (D00-D48)	12	0.9	*
...	All other causes (residual)	232,240	22.2	191.0	...	All other causes (residual)	317	23.3	4.0

See footnotes at end of table.

Table 1. Deaths, percentage of total deaths, and death rates for the 10 leading causes of death in selected age groups, by race and sex: United States, 2008—Con.

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

Rank ¹	Cause of death (based on ICD-10, 2004), race, sex, and age	Number ²	Percent of total deaths	Death rate ²	Rank ¹	Cause of death (based on ICD-10, 2004), race, sex, and age	Number ²	Percent of total deaths	Death rate ²
White, male, 15-19 years					White, male, 35-44 years				
...	All causes	6,416	100.0	75.0	...	All causes	36,664	100.0	213.5
1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	3,301	51.4	38.6	1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	9,633	26.3	56.1
2	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	1,050	16.4	12.3	2	Diseases of heart (I00-I09,I11,I13,I20-I51)	5,777	15.8	33.6
3	Assault (homicide) (*U01-U02,X85-Y09,Y87.1)	671	10.5	7.8	3	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	4,635	12.6	27.0
4	Malignant neoplasms (C00-C97)	318	5.0	3.7	4	Malignant neoplasms (C00-C97)	4,303	11.7	25.1
5	Diseases of heart (I00-I09,I11,I13,I20-I51)	143	2.2	1.7	5	Chronic liver disease and cirrhosis (K70,K73-K74)	1,458	4.0	8.5
6	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	107	1.7	1.3	6	Assault (homicide) (*U01-U02,X85-Y09,Y87.1)	1,153	3.1	6.7
7	Cerebrovascular diseases (I60-I69)	36	0.6	0.4	7	Human immunodeficiency virus (HIV) disease (B20-B24)	962	2.6	5.6
8	In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior (D00-D48)	30	0.5	0.4	8	Diabetes mellitus (E10-E14)	793	2.2	4.6
9	Influenza and pneumonia (J09-J18) ⁴	28	0.4	0.3	9	Cerebrovascular diseases (I60-I69)	708	1.9	4.1
10	Diabetes mellitus (E10-E14)	20	0.3	0.2	10	Influenza and pneumonia (J09-J18) ⁴	350	1.0	2.0
...	All other causes (residual)	712	11.1	8.3	...	All other causes (residual)	6,892	18.8	40.1
White, male, 20-24 years					White, male, 45-54 years				
...	All causes	11,137	100.0	130.3	...	All causes	90,818	100.0	500.5
1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	5,783	51.9	67.7	1	Diseases of heart (I00-I09,I11,I13,I20-I51)	21,062	23.2	116.1
2	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	1,889	17.0	22.1	2	Malignant neoplasms (C00-C97)	20,492	22.6	112.9
3	Assault (homicide) (*U01-U02,X85-Y09,Y87.1)	1,074	9.6	12.6	3	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	11,723	12.9	64.6
4	Malignant neoplasms (C00-C97)	479	4.3	5.6	4	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	5,830	6.4	32.1
5	Diseases of heart (I00-I09,I11,I13,I20-I51)	299	2.7	3.5	5	Chronic liver disease and cirrhosis (K70,K73-K74)	5,010	5.5	27.6
6	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	96	0.9	1.1	6	Diabetes mellitus (E10-E14)	2,607	2.9	14.4
7	Influenza and pneumonia (J09-J18) ⁴	72	0.6	0.8	7	Cerebrovascular diseases (I60-I69)	2,151	2.4	11.9
8	Diabetes mellitus (E10-E14)	62	0.6	0.7	8	Chronic lower respiratory diseases (J40-J47)	1,831	2.0	10.1
9	Cerebrovascular diseases (I60-I69)	45	0.4	0.5	9	Viral hepatitis (B15-B19)	1,643	1.8	9.1
10	Legal intervention (Y35,Y89.0)	38	0.3	0.4	10	Human immunodeficiency virus (HIV) disease (B20-B24)	1,314	1.4	7.2
...	All other causes (residual)	1,300	11.7	15.2	...	All other causes (residual)	17,155	18.9	94.5
White, male, 25-34 years					White, male, 55-64 years				
...	All causes	22,064	100.0	133.2	...	All causes	145,898	100.0	1,051.8
1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	9,600	43.5	57.9	1	Malignant neoplasms (C00-C97)	47,565	32.6	342.9
2	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	3,662	16.6	22.1	2	Diseases of heart (I00-I09,I11,I13,I20-I51)	37,296	25.6	268.9
3	Assault (homicide) (*U01-U02,X85-Y09,Y87.1)	1,568	7.1	9.5	3	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	7,478	5.1	53.9
4	Diseases of heart (I00-I09,I11,I13,I20-I51)	1,442	6.5	8.7	4	Chronic lower respiratory diseases (J40-J47)	6,502	4.5	46.9
5	Malignant neoplasms (C00-C97)	1,395	6.3	8.4	5	Chronic liver disease and cirrhosis (K70,K73-K74)	5,311	3.6	38.3
6	Human immunodeficiency virus (HIV) disease (B20-B24)	246	1.1	1.5	6	Diabetes mellitus (E10-E14)	5,200	3.6	37.5
7	Chronic liver disease and cirrhosis (K70,K73-K74)	234	1.1	1.4	7	Cerebrovascular diseases (I60-I69)	4,180	2.9	30.1
8	Diabetes mellitus (E10-E14)	218	1.0	1.3	8	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	4,013	2.8	28.9
9	Cerebrovascular diseases (I60-I69)	214	1.0	1.3	9	Septicemia (A40-A41)	1,779	1.2	12.8
10	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	171	0.8	1.0	10	Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	1,769	1.2	12.8
...	All other causes (residual)	3,314	15.0	20.0	...	All other causes (residual)	24,805	17.0	178.8

See footnotes at end of table.

Table 1. Deaths, percentage of total deaths, and death rates for the 10 leading causes of death in selected age groups, by race and sex: United States, 2008—Con.

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

Rank ¹	Cause of death (based on ICD-10, 2004), race, sex, and age	Number ²	Percent of total deaths	Death rate ²	Rank ¹	Cause of death (based on ICD-10, 2004), race, sex, and age	Number ²	Percent of total deaths	Death rate ²
White, male, 65 years and over					White, male, 85 years and over				
...	All causes	718,695	100.0	4,967.3	...	All causes	240,030	100.0	14,354.0
1	Diseases of heart . . . (I00-I09,I11,I13,I20-I51)	202,008	28.1	1,396.2	1	Diseases of heart . . . (I00-I09,I11,I13,I20-I51)	78,275	32.6	4,680.9
2	Malignant neoplasms . . . (C00-C97)	179,001	24.9	1,237.2	2	Malignant neoplasms . . . (C00-C97)	36,749	15.3	2,197.6
3	Chronic lower respiratory diseases . . . (J40-J47)	52,620	7.3	363.7	3	Cerebrovascular diseases . . . (I60-I69)	14,605	6.1	873.4
4	Cerebrovascular diseases . . . (I60-I69)	37,024	5.2	255.9	4	Chronic lower respiratory diseases . . . (J40-J47)	14,525	6.1	868.6
5	Alzheimer's disease . . . (G30)	22,400	3.1	154.8	5	Alzheimer's disease . . . (G30)	12,221	5.1	730.8
6	Diabetes mellitus . . . (E10-E14)	19,683	2.7	136.0	6	Influenza and pneumonia . . . (J09-J18) ⁴	9,061	3.8	541.9
7	Influenza and pneumonia . . . (J09-J18) ⁴	18,669	2.6	129.0	7	Nephritis, nephrotic syndrome and nephrosis . . . (N00-N07,N17-N19,N25-N27)	6,317	2.6	377.8
8	Accidents (unintentional injuries) . . . (V01-X59,Y85-Y86)	17,892	2.5	123.7	8	Accidents (unintentional injuries) . . . (V01-X59,Y85-Y86)	6,201	2.6	370.8
9	Nephritis, nephrotic syndrome and nephrosis . . . (N00-N07,N17-N19,N25-N27)	15,961	2.2	110.3	9	Diabetes mellitus . . . (E10-E14)	5,006	2.1	299.4
10	Parkinson's disease . . . (G20-G21)	11,049	1.5	76.4	10	Parkinson's disease . . . (G20-G21)	4,051	1.7	242.3
...	All other causes . . . (residual)	142,388	19.8	984.1	...	All other causes . . . (residual)	53,019	22.1	3,170.6
White, male, 65-74 years					White, female, all ages ³				
...	All causes	191,242	100.0	2,376.5	...	All causes	1,074,050	100.0	868.7
1	Malignant neoplasms . . . (C00-C97)	66,727	34.9	829.2	1	Diseases of heart . . . (I00-I09,I11,I13,I20-I51)	263,987	24.6	213.5
2	Diseases of heart . . . (I00-I09,I11,I13,I20-I51)	47,213	24.7	586.7	2	Malignant neoplasms . . . (C00-C97)	231,769	21.6	187.5
3	Chronic lower respiratory diseases . . . (J40-J47)	14,739	7.7	183.2	3	Chronic lower respiratory diseases . . . (J40-J47)	68,838	6.4	55.7
4	Cerebrovascular diseases . . . (I60-I69)	7,253	3.8	90.1	4	Cerebrovascular diseases . . . (I60-I69)	68,787	6.4	55.6
5	Diabetes mellitus . . . (E10-E14)	6,660	3.5	82.8	5	Alzheimer's disease . . . (G30)	53,511	5.0	43.3
6	Accidents (unintentional injuries) . . . (V01-X59,Y85-Y86)	4,943	2.6	61.4	6	Accidents (unintentional injuries) . . . (V01-X59,Y85-Y86)	38,244	3.6	30.9
7	Nephritis, nephrotic syndrome and nephrosis . . . (N00-N07,N17-N19,N25-N27)	3,237	1.7	40.2	7	Diabetes mellitus . . . (E10-E14)	27,295	2.5	22.1
8	Chronic liver disease and cirrhosis . . . (K70,K73-K74)	3,031	1.6	37.7	8	Influenza and pneumonia . . . (J09-J18) ⁴	26,893	2.5	21.8
9	Influenza and pneumonia . . . (J09-J18) ⁴	2,863	1.5	35.6	9	Nephritis, nephrotic syndrome and nephrosis . . . (N00-N07,N17-N19,N25-N27)	19,360	1.8	15.7
10	Septicemia . . . (A40-A41)	2,546	1.3	31.6	10	Septicemia . . . (A40-A41)	15,631	1.5	12.6
...	All other causes . . . (residual)	32,030	16.7	398.0	...	All other causes . . . (residual)	259,735	24.2	210.1
White, male, 75-84 years					White, female, 1-4 years				
...	All causes	287,423	100.0	6,052.0	...	All causes	1,430	100.0	22.8
1	Diseases of heart . . . (I00-I09,I11,I13,I20-I51)	76,520	26.6	1,611.2	1	Accidents (unintentional injuries) . . . (V01-X59,Y85-Y86)	418	29.2	6.7
2	Malignant neoplasms . . . (C00-C97)	75,525	26.3	1,590.3	2	Congenital malformations, deformations and chromosomal abnormalities . . . (Q00-Q99)	184	12.9	2.9
3	Chronic lower respiratory diseases . . . (J40-J47)	23,356	8.1	491.8	3	Malignant neoplasms . . . (C00-C97)	150	10.5	2.4
4	Cerebrovascular diseases . . . (I60-I69)	15,166	5.3	319.3	4	Assault (homicide) . . . (*U01-*U02,X85-Y09,Y87.1)	110	7.7	1.8
5	Alzheimer's disease . . . (G30)	8,524	3.0	179.5	5	Diseases of heart . . . (I00-I09,I11,I13,I20-I51)	50	3.5	0.8
6	Diabetes mellitus . . . (E10-E14)	8,017	2.8	168.8	6	Influenza and pneumonia . . . (J09-J18) ⁴	48	3.4	0.8
7	Accidents (unintentional injuries) . . . (V01-X59,Y85-Y86)	6,748	2.3	142.1	7	Septicemia . . . (A40-A41)	38	2.7	0.6
8	Influenza and pneumonia . . . (J09-J18) ⁴	6,745	2.3	142.0	8	Cerebrovascular diseases . . . (I60-I69)	25	1.7	0.4
9	Nephritis, nephrotic syndrome and nephrosis . . . (N00-N07,N17-N19,N25-N27)	6,407	2.2	134.9	9	In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior . . . (D00-D48)	21	1.5	0.3
10	Parkinson's disease . . . (G20-G21)	5,476	1.9	115.3	10	Certain conditions originating in the perinatal period . . . (P00-P96)	14	1.0	*
...	All other causes . . . (residual)	54,939	19.1	1,156.8	...	All other causes . . . (residual)	372	26.0	5.9

See footnotes at end of table.

Table 1. Deaths, percentage of total deaths, and death rates for the 10 leading causes of death in selected age groups, by race and sex: United States, 2008—Con.

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

Rank ¹	Cause of death (based on ICD-10, 2004), race, sex, and age	Number ²	Percent of total deaths	Death rate ²	Rank ¹	Cause of death (based on ICD-10, 2004), race, sex, and age	Number ²	Percent of total deaths	Death rate ²
White, female, 5-9 years					White, female, 20-24 years				
...	All causes	808	100.0	10.6	...	All causes	3,474	100.0	43.5
1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	234	29.0	3.1	1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	1,565	45.0	19.6
2	Malignant neoplasms (C00-C97)	178	22.0	2.3	2	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	332	9.6	4.2
3	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	64	7.9	0.8	3	Malignant neoplasms (C00-C97)	274	7.9	3.4
4	Diseases of heart (I00-I09,I11,I13,I20-I51)	30	3.7	0.4	4	Assault (homicide) (*U01-*U02,X85-Y09,Y87.1)	210	6.0	2.6
5	Assault (homicide) (*U01-*U02,X85-Y09,Y87.1)	26	3.2	0.3	5	Diseases of heart (I00-I09,I11,I13,I20-I51)	121	3.5	1.5
6	In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior (D00-D48)	22	2.7	0.3	6	Pregnancy, childbirth and the puerperium (O00-O99)	81	2.3	1.0
7	Cerebrovascular diseases (I60-I69)	13	1.6	*	7	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	73	2.1	0.9
8	Chronic lower respiratory diseases (J40-J47)	10	1.2	*	8	Septicemia (A40-A41)	37	1.1	0.5
8	Certain conditions originating in the perinatal period (P00-P96)	10	1.2	*	9	Diabetes mellitus (E10-E14)	34	1.0	0.4
10	Influenza and pneumonia (J09-J18) [†]	9	1.1	*	10	Cerebrovascular diseases (I60-I69)	33	0.9	0.4
...	All other causes (residual)	212	26.2	2.8	...	All other causes (residual)	714	20.6	8.9
White, female, 10-14 years					White, female, 25-34 years				
...	All causes	917	100.0	12.1	...	All causes	9,048	100.0	58.2
1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	262	28.6	3.5	1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	2,823	31.2	18.2
2	Malignant neoplasms (C00-C97)	158	17.2	2.1	2	Malignant neoplasms (C00-C97)	1,315	14.5	8.5
3	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	57	6.2	0.8	3	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	853	9.4	5.5
4	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	48	5.2	0.6	4	Diseases of heart (I00-I09,I11,I13,I20-I51)	628	6.9	4.0
5	Diseases of heart (I00-I09,I11,I13,I20-I51)	39	4.3	0.5	5	Assault (homicide) (*U01-*U02,X85-Y09,Y87.1)	431	4.8	2.8
6	Assault (homicide) (*U01-*U02,X85-Y09,Y87.1)	38	4.1	0.5	6	Pregnancy, childbirth and the puerperium (O00-O99)	220	2.4	1.4
7	Cerebrovascular diseases (I60-I69)	28	3.1	0.4	7	Diabetes mellitus (E10-E14)	154	1.7	1.0
8	Influenza and pneumonia (J09-J18) [†]	22	2.4	0.3	8	Cerebrovascular diseases (I60-I69)	148	1.6	1.0
9	Septicemia (A40-A41)	17	1.9	*	9	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	142	1.6	0.9
10	Chronic lower respiratory diseases (J40-J47)	12	1.3	*	10	Influenza and pneumonia (J09-J18) [†]	122	1.3	0.8
...	All other causes (residual)	236	25.7	3.1	...	All other causes (residual)	2,212	24.4	14.2
White, female, 15-19 years					White, female, 35-44 years				
...	All causes	2,598	100.0	32.1	...	All causes	20,945	100.0	125.8
1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	1,360	52.3	16.8	1	Malignant neoplasms (C00-C97)	5,423	25.9	32.6
2	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	247	9.5	3.0	2	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	4,044	19.3	24.3
3	Malignant neoplasms (C00-C97)	221	8.5	2.7	3	Diseases of heart (I00-I09,I11,I13,I20-I51)	2,290	10.9	13.8
4	Assault (homicide) (*U01-*U02,X85-Y09,Y87.1)	141	5.4	1.7	4	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	1,439	6.9	8.6
5	Diseases of heart (I00-I09,I11,I13,I20-I51)	67	2.6	0.8	5	Chronic liver disease and cirrhosis (K70,K73-K74)	711	3.4	4.3
6	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	54	2.1	0.7	6	Cerebrovascular diseases (I60-I69)	591	2.8	3.5
7	Cerebrovascular diseases (I60-I69)	24	0.9	0.3	7	Diabetes mellitus (E10-E14)	464	2.2	2.8
7	Influenza and pneumonia (J09-J18) [†]	24	0.9	0.3	8	Assault (homicide) (*U01-*U02,X85-Y09,Y87.1)	424	2.0	2.5
9	Pregnancy, childbirth and the puerperium (O00-O99)	22	0.8	0.3	9	Chronic lower respiratory diseases (J40-J47)	315	1.5	1.9
10	Septicemia (A40-A41)	18	0.7	*	10	Septicemia (A40-A41)	299	1.4	1.8
...	All other causes (residual)	420	16.2	5.2	...	All other causes (residual)	4,945	23.6	29.7

See footnotes at end of table.

Table 1. Deaths, percentage of total deaths, and death rates for the 10 leading causes of death in selected age groups, by race and sex: United States, 2008—Con.

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

Rank ¹	Cause of death (based on ICD-10, 2004), race, sex, and age	Number ²	Percent of total deaths	Death rate ²	Rank ¹	Cause of death (based on ICD-10, 2004), race, sex, and age	Number ²	Percent of total deaths	Death rate ²
White, female, 45-54 years					White, female, 65-74 years				
...	All causes	53,958	100.0	295.1	...	All causes	147,455	100.0	1,594.6
1	Malignant neoplasms (C00-C97)	19,320	35.8	105.7	1	Malignant neoplasms (C00-C97)	54,391	36.9	588.2
2	Diseases of heart (I00-I09,I11,I13,I20-I51)	7,530	14.0	41.2	2	Diseases of heart (I00-I09,I11,I13,I20-I51)	27,350	18.5	295.8
3	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	5,537	10.3	30.3	3	Chronic lower respiratory diseases (J40-J47)	14,713	10.0	159.1
4	Chronic liver disease and cirrhosis (K70,K73-K74)	2,052	3.8	11.2	4	Cerebrovascular diseases (I60-I69)	6,804	4.6	73.6
5	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	1,915	3.5	10.5	5	Diabetes mellitus (E10-E14)	5,135	3.5	55.5
6	Chronic lower respiratory diseases (J40-J47)	1,811	3.4	9.9	6	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	2,848	1.9	30.8
7	Cerebrovascular diseases (I60-I69)	1,731	3.2	9.5	7	Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	2,739	1.9	29.6
8	Diabetes mellitus (E10-E14)	1,464	2.7	8.0	8	Septicemia (A40-A41)	2,478	1.7	26.8
9	Septicemia (A40-A41)	791	1.5	4.3	9	Influenza and pneumonia (J09-J18) ⁴	2,261	1.5	24.5
10	Influenza and pneumonia (J09-J18) ⁴	762	1.4	4.2	10	Alzheimer's disease (G30)	2,202	1.5	23.8
...	All other causes (residual)	11,045	20.5	60.4	...	All other causes (residual)	26,534	18.0	287.0
White, female, 55-64 years					White, female, 75-84 years				
...	All causes	93,017	100.0	639.1	...	All causes	292,003	100.0	4,342.2
1	Malignant neoplasms (C00-C97)	38,444	41.3	264.1	1	Diseases of heart (I00-I09,I11,I13,I20-I51)	69,664	23.9	1,035.9
2	Diseases of heart (I00-I09,I11,I13,I20-I51)	15,188	16.3	104.4	2	Malignant neoplasms (C00-C97)	67,637	23.2	1,005.8
3	Chronic lower respiratory diseases (J40-J47)	5,978	6.4	41.1	3	Chronic lower respiratory diseases (J40-J47)	25,070	8.6	372.8
4	Diabetes mellitus (E10-E14)	3,413	3.7	23.4	4	Cerebrovascular diseases (I60-I69)	20,257	6.9	301.2
5	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	3,339	3.6	22.9	5	Alzheimer's disease (G30)	14,616	5.0	217.3
6	Cerebrovascular diseases (I60-I69)	3,212	3.5	22.1	6	Diabetes mellitus (E10-E14)	8,369	2.9	124.5
7	Chronic liver disease and cirrhosis (K70,K73-K74)	2,066	2.2	14.2	7	Influenza and pneumonia (J09-J18) ⁴	6,792	2.3	101.0
8	Septicemia (A40-A41)	1,571	1.7	10.8	8	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	6,017	2.1	89.5
9	Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	1,355	1.5	9.3	9	Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	5,900	2.0	87.7
10	Influenza and pneumonia (J09-J18) ⁴	1,213	1.3	8.3	10	Septicemia (A40-A41)	4,801	1.6	71.4
...	All other causes (residual)	17,238	18.5	118.4	...	All other causes (residual)	62,880	21.5	935.1
White, female, 65 years and over					White, female, 85 years and over				
...	All causes	879,807	100.0	4,530.1	...	All causes	440,349	100.0	12,765.0
1	Diseases of heart (I00-I09,I11,I13,I20-I51)	237,916	27.0	1,225.0	1	Diseases of heart (I00-I09,I11,I13,I20-I51)	140,902	32.0	4,084.5
2	Malignant neoplasms (C00-C97)	166,265	18.9	856.1	2	Malignant neoplasms (C00-C97)	44,237	10.0	1,282.4
3	Cerebrovascular diseases (I60-I69)	62,931	7.2	324.0	3	Alzheimer's disease (G30)	36,263	8.2	1,051.2
4	Chronic lower respiratory diseases (J40-J47)	60,585	6.9	312.0	4	Cerebrovascular diseases (I60-I69)	35,870	8.1	1,039.8
5	Alzheimer's disease (G30)	53,081	6.0	273.3	5	Chronic lower respiratory diseases (J40-J47)	20,802	4.7	603.0
6	Influenza and pneumonia (J09-J18) ⁴	24,303	2.8	125.1	6	Influenza and pneumonia (J09-J18) ⁴	15,250	3.5	442.1
7	Diabetes mellitus (E10-E14)	21,736	2.5	111.9	7	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	9,430	2.1	273.4
8	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	18,295	2.1	94.2	8	Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	8,536	1.9	247.4
9	Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	17,175	2.0	88.4	9	Diabetes mellitus (E10-E14)	8,232	1.9	238.6
10	Septicemia (A40-A41)	12,664	1.4	65.2	10	Essential hypertension and hypertensive renal disease (I10,I12,I15)	6,924	1.6	200.7
...	All other causes (residual)	204,856	23.3	1,054.8	...	All other causes (residual)	113,903	25.9	3,301.9

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Table 1. Deaths, percentage of total deaths, and death rates for the 10 leading causes of death in selected age groups, by race and sex: United States, 2008—Con.

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Rank ¹	Cause of death (based on ICD-10, 2004), race, sex, and age	Number ²	Percent of total deaths	Death rate ²	Rank ¹	Cause of death (based on ICD-10, 2004), race, sex, and age	Number ²	Percent of total deaths	Death rate ²
Black, both sexes, all ages ³					Black, both sexes, 10-14 years				
...	All causes	289,072	100.0	716.1	...	All causes	709	100.0	21.8
1	Diseases of heart . . . (I00-I09,I11,I13,I20-I51)	70,731	24.5	175.2	1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	189	26.7	5.8
2	Malignant neoplasms (C00-C97)	63,954	22.1	158.4	2	Assault (homicide) (*U01-*U02,X85-Y09,Y87.1)	95	13.4	2.9
3	Cerebrovascular diseases (I60-I69)	16,710	5.8	41.4	3	Malignant neoplasms (C00-C97)	72	10.2	2.2
4	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	12,447	4.3	30.8	4	Diseases of heart . . . (I00-I09,I11,I13,I20-I51)	44	6.2	1.4
5	Diabetes mellitus (E10-E14)	12,064	4.2	29.9	5	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	42	5.9	1.3
6	Chronic lower respiratory diseases (J40-J47)	8,766	3.0	21.7	6	Chronic lower respiratory diseases (J40-J47)	41	5.8	1.3
7	Nephritis, nephrotic syndrome and nephrosis . . . (N00-N07,N17-N19,N25-N27)	8,619	3.0	21.4	7	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	28	3.9	0.9
8	Assault (homicide) (*U01-*U02,X85-Y09,Y87.1)	8,335	2.9	20.6	8	Diabetes mellitus (E10-E14)	10	1.4	*
9	Septicemia (A40-A41)	6,426	2.2	15.9	9	Cerebrovascular diseases (I60-I69)	8	1.1	*
10	Human immunodeficiency virus (HIV) disease (B20-B24)	5,780	2.0	14.3	10	Influenza and pneumonia (J09-J18) ⁴	7	1.0	*
...	All other causes (residual)	75,240	26.0	186.4	...	All other causes (residual)	173	24.4	5.3
Black, both sexes, 1-4 years					Black, both sexes, 15-19 years				
...	All causes	1,118	100.0	41.6	...	All causes	2,856	100.0	79.6
1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	298	26.7	11.1	1	Assault (homicide) (*U01-*U02,X85-Y09,Y87.1)	1,231	43.1	34.3
2	Assault (homicide) (*U01-*U02,X85-Y09,Y87.1)	155	13.9	5.8	2	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	652	22.8	18.2
3	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	114	10.2	4.2	3	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	193	6.8	5.4
4	Diseases of heart . . . (I00-I09,I11,I13,I20-I51)	64	5.7	2.4	4	Diseases of heart . . . (I00-I09,I11,I13,I20-I51)	129	4.5	3.6
5	Malignant neoplasms (C00-C97)	56	5.0	2.1	5	Malignant neoplasms (C00-C97)	116	4.1	3.2
6	Influenza and pneumonia (J09-J18) ⁴	46	4.1	1.7	6	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	54	1.9	1.5
7	Chronic lower respiratory diseases (J40-J47)	22	2.0	0.8	7	Chronic lower respiratory diseases (J40-J47)	37	1.3	1.0
8	Septicemia (A40-A41)	21	1.9	0.8	8	Human immunodeficiency virus (HIV) disease (B20-B24)	22	0.8	0.6
9	Anemias (D50-D64)	19	1.7	*	8	Anemias (D50-D64)	22	0.8	0.6
10	Certain conditions originating in the perinatal period (P00-P96)	16	1.4	*	10	Pregnancy, childbirth and the puerperium (O00-O99)	18	0.6	*
...	All other causes (residual)	307	27.5	11.4	...	All other causes (residual)	382	13.4	10.7
Black, both sexes, 5-9 years					Black, both sexes, 20-24 years				
...	All causes	576	100.0	18.2	...	All causes	4,361	100.0	134.2
1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	200	34.7	6.3	1	Assault (homicide) (*U01-*U02,X85-Y09,Y87.1)	1,802	41.3	55.4
2	Malignant neoplasms (C00-C97)	77	13.4	2.4	2	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	868	19.9	26.7
3	Assault (homicide) (*U01-*U02,X85-Y09,Y87.1)	40	6.9	1.3	3	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	316	7.2	9.7
4	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	33	5.7	1.0	4	Diseases of heart . . . (I00-I09,I11,I13,I20-I51)	247	5.7	7.6
5	Chronic lower respiratory diseases (J40-J47)	32	5.6	1.0	5	Malignant neoplasms (C00-C97)	171	3.9	5.3
6	Diseases of heart . . . (I00-I09,I11,I13,I20-I51)	23	4.0	0.7	6	Human immunodeficiency virus (HIV) disease (B20-B24)	93	2.1	2.9
7	In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior (D00-D48)	16	2.8	*	7	Diabetes mellitus (E10-E14)	51	1.2	1.6
8	Cerebrovascular diseases (I60-I69)	11	1.9	*	8	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	50	1.1	1.5
9	Influenza and pneumonia (J09-J18) ⁴	9	1.6	*	9	Anemias (D50-D64)	44	1.0	1.4
10	Anemias (D50-D64)	8	1.4	*	10	Chronic lower respiratory diseases (J40-J47)	41	0.9	1.3
...	All other causes (residual)	127	22.0	4.0	...	All other causes (residual)	678	15.5	20.9

See footnotes at end of table.

Table 1. Deaths, percentage of total deaths, and death rates for the 10 leading causes of death in selected age groups, by race and sex: United States, 2008—Con.

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

Rank ¹	Cause of death (based on ICD-10, 2004), race, sex, and age	Number ²	Percent of total deaths	Death rate ²	Rank ¹	Cause of death (based on ICD-10, 2004), race, sex, and age	Number ²	Percent of total deaths	Death rate ²
Black, both sexes, 25-34 years					Black, both sexes, 55-64 years				
...	All causes	9,266	100.0	159.5	...	All causes	48,712	100.0	1,384.6
1	Assault (homicide) (*U01-*U02,X85-Y09,Y87.1)	2,471	26.7	42.5	1	Malignant neoplasms(C00-C97)	14,968	30.7	425.4
2	Accidents (unintentional injuries)(V01-X59,Y85-Y86)	1,583	17.1	27.2	2	Diseases of heart (I00-I09,I11,I13,I20-I51)	12,435	25.5	353.4
3	Diseases of heart (I00-I09,I11,I13,I20-I51)	1,057	11.4	18.2	3	Cerebrovascular diseases(I60-I69)	2,568	5.3	73.0
4	Human immunodeficiency virus (HIV) disease(B20-B24)	613	6.6	10.5	4	Diabetes mellitus(E10-E14)	2,302	4.7	65.4
5	Malignant neoplasms(C00-C97)	577	6.2	9.9	5	Accidents (unintentional injuries)(V01-X59,Y85-Y86)	1,612	3.3	45.8
6	Intentional self-harm (suicide)(*U03,X60-X84,Y87.0)	504	5.4	8.7	6	Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	1,511	3.1	42.9
7	Diabetes mellitus(E10-E14)	175	1.9	3.0	7	Chronic lower respiratory diseases(J40-J47)	1,352	2.8	38.4
8	Cerebrovascular diseases(I60-I69)	144	1.6	2.5	8	Human immunodeficiency virus (HIV) disease(B20-B24)	1,091	2.2	31.0
9	Anemias(D50-D64)	126	1.4	2.2	9	Septicemia(A40-A41)	1,081	2.2	30.7
10	Septicemia(A40-A41)	115	1.2	2.0	10	Chronic liver disease and cirrhosis(K70,K73-K74)	859	1.8	24.4
...	All other causes(residual)	1,901	20.5	32.7	...	All other causes(residual)	8,933	18.3	253.9
Black, both sexes, 35-44 years					Black, both sexes, 65 years and over				
...	All causes	15,778	100.0	280.8	...	All causes	161,170	100.0	4,799.0
1	Diseases of heart (I00-I09,I11,I13,I20-I51)	2,894	18.3	51.5	1	Diseases of heart (I00-I09,I11,I13,I20-I51)	45,429	28.2	1,352.7
2	Malignant neoplasms(C00-C97)	2,345	14.9	41.7	2	Malignant neoplasms(C00-C97)	36,810	22.8	1,096.1
3	Accidents (unintentional injuries)(V01-X59,Y85-Y86)	1,873	11.9	33.3	3	Cerebrovascular diseases(I60-I69)	11,339	7.0	337.6
4	Human immunodeficiency virus (HIV) disease(B20-B24)	1,564	9.9	27.8	4	Diabetes mellitus(E10-E14)	7,618	4.7	226.8
5	Assault (homicide) (*U01-*U02,X85-Y09,Y87.1)	1,227	7.8	21.8	5	Chronic lower respiratory diseases(J40-J47)	6,252	3.9	186.2
6	Cerebrovascular diseases(I60-I69)	621	3.9	11.1	6	Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	5,816	3.6	173.2
7	Diabetes mellitus(E10-E14)	526	3.3	9.4	7	Alzheimer's disease(G30)	5,005	3.1	149.0
8	Intentional self-harm (suicide)(*U03,X60-X84,Y87.0)	396	2.5	7.0	8	Septicemia(A40-A41)	4,073	2.5	121.3
9	Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	303	1.9	5.4	9	Influenza and pneumonia(J09-J18) ⁴	3,854	2.4	114.8
10	Septicemia(A40-A41)	253	1.6	4.5	10	Essential hypertension and hypertensive renal disease(I10,I12,I15)	3,349	2.1	99.7
...	All other causes(residual)	3,776	23.9	67.2	...	All other causes(residual)	31,625	19.6	941.7
Black, both sexes, 45-54 years					Black, both sexes, 65-74 years				
...	All causes	35,960	100.0	664.8	...	All causes	51,767	100.0	2,732.1
1	Malignant neoplasms(C00-C97)	8,745	24.3	161.7	1	Malignant neoplasms(C00-C97)	16,134	31.2	851.5
2	Diseases of heart (I00-I09,I11,I13,I20-I51)	8,288	23.0	153.2	2	Diseases of heart (I00-I09,I11,I13,I20-I51)	13,548	26.2	715.0
3	Accidents (unintentional injuries)(V01-X59,Y85-Y86)	2,533	7.0	46.8	3	Cerebrovascular diseases(I60-I69)	3,071	5.9	162.1
4	Human immunodeficiency virus (HIV) disease(B20-B24)	2,048	5.7	37.9	4	Diabetes mellitus(E10-E14)	2,890	5.6	152.5
5	Cerebrovascular diseases(I60-I69)	1,923	5.3	35.5	5	Chronic lower respiratory diseases(J40-J47)	2,113	4.1	111.5
6	Diabetes mellitus(E10-E14)	1,360	3.8	25.1	6	Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	1,947	3.8	102.8
7	Chronic liver disease and cirrhosis(K70,K73-K74)	838	2.3	15.5	7	Septicemia(A40-A41)	1,271	2.5	67.1
8	Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	806	2.2	14.9	8	Essential hypertension and hypertensive renal disease(I10,I12,I15)	916	1.8	48.3
9	Assault (homicide) (*U01-*U02,X85-Y09,Y87.1)	773	2.1	14.3	9	Influenza and pneumonia(J09-J18) ⁴	896	1.7	47.3
10	Septicemia(A40-A41)	716	2.0	13.2	10	Accidents (unintentional injuries)(V01-X59,Y85-Y86)	890	1.7	47.0
...	All other causes(residual)	7,930	22.1	146.6	...	All other causes(residual)	8,091	15.6	427.0

See footnotes at end of table.

Table 1. Deaths, percentage of total deaths, and death rates for the 10 leading causes of death in selected age groups, by race and sex: United States, 2008—Con.

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

Rank ¹	Cause of death (based on ICD-10, 2004), race, sex, and age	Number ²	Percent of total deaths	Death rate ²	Rank ¹	Cause of death (based on ICD-10, 2004), race, sex, and age	Number ²	Percent of total deaths	Death rate ²
Black, both sexes, 75–84 years					Black, male, 1–4 years				
...	All causes	59,130	100.0	5,648.7	...	All causes	647	100.0	47.3
1	Diseases of heart . . . (I00–I09,I11,I13,I20–I51)	16,368	27.7	1,563.6	1	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	184	28.4	13.4
2	Malignant neoplasms (C00–C97)	13,928	23.6	1,330.5	2	Assault (homicide) (*U01–*U02,X85–Y09,Y87.1)	92	14.2	6.7
3	Cerebrovascular diseases (I60–I69)	4,338	7.3	414.4	3	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	64	9.9	4.7
4	Diabetes mellitus (E10–E14)	2,949	5.0	281.7	4	Malignant neoplasms (C00–C97)	35	5.4	2.6
5	Chronic lower respiratory diseases (J40–J47)	2,516	4.3	240.4	4	Diseases of heart . . . (I00–I09,I11,I13,I20–I51)	35	5.4	2.6
6	Nephritis, nephrotic syndrome and nephrosis . . . (N00–N07,N17–N19,N25–N27)	2,130	3.6	203.5	6	Influenza and pneumonia (J09–J18) ⁴	26	4.0	1.9
7	Alzheimer's disease (G30)	1,704	2.9	162.8	7	Septicemia (A40–A41)	11	1.7	*
8	Septicemia (A40–A41)	1,559	2.6	148.9	7	Chronic lower respiratory diseases (J40–J47)	11	1.7	*
9	Influenza and pneumonia (J09–J18) ⁴	1,408	2.4	134.5	9	Anemias (D50–D64)	10	1.5	*
10	Essential hypertension and hypertensive renal disease (I10,I12,I15)	1,183	2.0	113.0	10	Cerebrovascular diseases (I60–I69)	8	1.2	*
...	All other causes (residual)	11,047	18.7	1,055.3	10	Certain conditions originating in the perinatal period (P00–P96)	8	1.2	*
Black, both sexes, 85 years and over					Black, male, 5–9 years				
...	All causes	50,273	100.0	12,061.1	...	All causes	347	100.0	21.6
1	Diseases of heart . . . (I00–I09,I11,I13,I20–I51)	15,513	30.9	3,721.8	1	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	124	35.7	7.7
2	Malignant neoplasms (C00–C97)	6,748	13.4	1,618.9	2	Malignant neoplasms (C00–C97)	37	10.7	2.3
3	Cerebrovascular diseases (I60–I69)	3,930	7.8	942.9	3	Chronic lower respiratory diseases (J40–J47)	26	7.5	1.6
4	Alzheimer's disease (G30)	2,902	5.8	696.2	4	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	25	7.2	1.6
5	Diabetes mellitus (E10–E14)	1,779	3.5	426.8	5	Assault (homicide) (*U01–*U02,X85–Y09,Y87.1)	20	5.8	1.2
6	Nephritis, nephrotic syndrome and nephrosis . . . (N00–N07,N17–N19,N25–N27)	1,739	3.5	417.2	6	In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior (D00–D48)	12	3.5	*
7	Chronic lower respiratory diseases (J40–J47)	1,623	3.2	389.4	7	Diseases of heart . . . (I00–I09,I11,I13,I20–I51)	11	3.2	*
8	Influenza and pneumonia (J09–J18) ⁴	1,550	3.1	371.9	8	Cerebrovascular diseases (I60–I69)	7	2.0	*
9	Essential hypertension and hypertensive renal disease (I10,I12,I15)	1,250	2.5	299.9	8	Influenza and pneumonia (J09–J18) ⁴	7	2.0	*
10	Septicemia (A40–A41)	1,243	2.5	298.2	10	Anemias (D50–D64)	4	1.2	*
...	All other causes (residual)	11,996	23.9	2,878.0	...	All other causes (residual)	74	21.3	4.6
Black, male, all ages ³					Black, male, 10–14 years				
...	All causes	147,143	100.0	762.7	...	All causes	420	100.0	25.4
1	Diseases of heart . . . (I00–I09,I11,I13,I20–I51)	35,387	24.0	183.4	1	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	124	29.5	7.5
2	Malignant neoplasms (C00–C97)	33,019	22.4	171.1	2	Assault (homicide) (*U01–*U02,X85–Y09,Y87.1)	63	15.0	3.8
3	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	8,453	5.7	43.8	3	Malignant neoplasms (C00–C97)	31	7.4	1.9
4	Cerebrovascular diseases (I60–I69)	7,222	4.9	37.4	4	Diseases of heart . . . (I00–I09,I11,I13,I20–I51)	27	6.4	1.6
5	Assault (homicide) (*U01–*U02,X85–Y09,Y87.1)	7,148	4.9	37.1	5	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	23	5.5	1.4
6	Diabetes mellitus (E10–E14)	5,457	3.7	28.3	6	Intentional self-harm (suicide) (*U03,X60–X84,Y87.0)	20	4.8	1.2
7	Chronic lower respiratory diseases (J40–J47)	4,548	3.1	23.6	7	Chronic lower respiratory diseases (J40–J47)	19	4.5	*
8	Nephritis, nephrotic syndrome and nephrosis . . . (N00–N07,N17–N19,N25–N27)	3,919	2.7	20.3	8	Diabetes mellitus (E10–E14)	7	1.7	*
9	Human immunodeficiency virus (HIV) disease (B20–B24)	3,790	2.6	19.6	8	Cerebrovascular diseases (I60–I69)	7	1.7	*
10	Septicemia (A40–A41)	2,877	2.0	14.9	10	Septicemia (A40–A41)	3	0.7	*
...	All other causes (residual)	35,323	24.0	183.1	10	Influenza and pneumonia (J09–J18) ⁴	3	0.7	*
					...	All other causes (residual)	93	22.1	5.6

See footnotes at end of table.

Table 1. Deaths, percentage of total deaths, and death rates for the 10 leading causes of death in selected age groups, by race and sex: United States, 2008—Con.

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Rank ¹	Cause of death (based on ICD-10, 2004), race, sex, and age	Number ²	Percent of total deaths	Death rate ²	Rank ¹	Cause of death (based on ICD-10, 2004), race, sex, and age	Number ²	Percent of total deaths	Death rate ²
Black, male, 15-19 years					Black, male, 35-44 years				
...	All causes	2,175	100.0	119.5	...	All causes	9,188	100.0	347.5
1	Assault (homicide) (*U01-U02,X85-Y09,Y87.1)	1,095	50.3	60.2	1	Diseases of heart . . . (I00-I09,I11,I13,I20-I51)	1,797	19.6	68.0
2	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	481	22.1	26.4	2	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	1,319	14.4	49.9
3	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	156	7.2	8.6	3	Assault (homicide) (*U01-U02,X85-Y09,Y87.1)	1,020	11.1	38.6
4	Diseases of heart . . . (I00-I09,I11,I13,I20-I51)	88	4.0	4.8	4	Human immunodeficiency virus (HIV) disease (B20-B24)	944	10.3	35.7
5	Malignant neoplasms (C00-C97)	71	3.3	3.9	5	Malignant neoplasms (C00-C97)	905	9.8	34.2
6	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	30	1.4	1.6	6	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	327	3.6	12.4
7	Chronic lower respiratory diseases (J40-J47)	20	0.9	1.1	7	Cerebrovascular diseases (I60-I69)	308	3.4	11.6
8	Anemias (D50-D64)	14	0.6	*	8	Diabetes mellitus (E10-E14)	297	3.2	11.2
9	Septicemia (A40-A41)	10	0.5	*	9	Nephritis, nephrotic syndrome and nephrosis . . . (N00-N07,N17-N19,N25-N27)	169	1.8	6.4
9	Legal intervention (Y35,Y89.0)	10	0.5	*	10	Septicemia (A40-A41)	141	1.5	5.3
...	All other causes (residual)	200	9.2	11.0	...	All other causes (residual)	1,961	21.3	74.2
Black, male, 20-24 years					Black, male, 45-54 years				
...	All causes	3,338	100.0	202.9	...	All causes	20,684	100.0	827.5
1	Assault (homicide) (*U01-U02,X85-Y09,Y87.1)	1,612	48.3	98.0	1	Diseases of heart . . . (I00-I09,I11,I13,I20-I51)	5,034	24.3	201.4
2	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	650	19.5	39.5	2	Malignant neoplasms (C00-C97)	4,327	20.9	173.1
3	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	269	8.1	16.4	3	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	1,763	8.5	70.5
4	Diseases of heart . . . (I00-I09,I11,I13,I20-I51)	170	5.1	10.3	4	Human immunodeficiency virus (HIV) disease (B20-B24)	1,400	6.8	56.0
5	Malignant neoplasms (C00-C97)	95	2.8	5.8	5	Cerebrovascular diseases (I60-I69)	1,030	5.0	41.2
6	Human immunodeficiency virus (HIV) disease (B20-B24)	53	1.6	3.2	6	Diabetes mellitus (E10-E14)	764	3.7	30.6
7	Diabetes mellitus (E10-E14)	33	1.0	2.0	7	Assault (homicide) (*U01-U02,X85-Y09,Y87.1)	640	3.1	25.6
7	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	33	1.0	2.0	8	Chronic liver disease and cirrhosis (K70,K73-K74)	558	2.7	22.3
9	Anemias (D50-D64)	30	0.9	1.8	9	Nephritis, nephrotic syndrome and nephrosis . . . (N00-N07,N17-N19,N25-N27)	438	2.1	17.5
10	Legal intervention (Y35,Y89.0)	26	0.8	1.6	10	Septicemia (A40-A41)	364	1.8	14.6
...	All other causes (residual)	367	11.0	22.3	...	All other causes (residual)	4,366	21.1	174.7
Black, male, 25-34 years					Black, male, 55-64 years				
...	All causes	6,363	100.0	224.9	...	All causes	28,664	100.0	1,826.3
1	Assault (homicide) (*U01-U02,X85-Y09,Y87.1)	2,219	34.9	78.4	1	Malignant neoplasms (C00-C97)	8,338	29.1	531.2
2	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	1,205	18.9	42.6	2	Diseases of heart . . . (I00-I09,I11,I13,I20-I51)	7,743	27.0	493.3
3	Diseases of heart . . . (I00-I09,I11,I13,I20-I51)	643	10.1	22.7	3	Cerebrovascular diseases (I60-I69)	1,415	4.9	90.2
4	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	423	6.6	15.0	4	Diabetes mellitus (E10-E14)	1,217	4.2	77.5
5	Human immunodeficiency virus (HIV) disease (B20-B24)	340	5.3	12.0	5	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	1,181	4.1	75.2
6	Malignant neoplasms (C00-C97)	267	4.2	9.4	6	Nephritis, nephrotic syndrome and nephrosis . . . (N00-N07,N17-N19,N25-N27)	817	2.9	52.1
7	Diabetes mellitus (E10-E14)	85	1.3	3.0	7	Human immunodeficiency virus (HIV) disease (B20-B24)	807	2.8	51.4
8	Cerebrovascular diseases (I60-I69)	67	1.1	2.4	8	Chronic lower respiratory diseases (J40-J47)	743	2.6	47.3
9	Chronic lower respiratory diseases (J40-J47)	61	1.0	2.2	9	Chronic liver disease and cirrhosis (K70,K73-K74)	623	2.2	39.7
10	Anemias (D50-D64)	57	0.9	2.0	10	Septicemia (A40-A41)	559	2.0	35.6
...	All other causes (residual)	996	15.7	35.2	...	All other causes (residual)	5,221	18.2	332.6

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Rank ¹	Cause of death (based on ICD-10, 2004), race, sex, and age	Number ²	Percent of total deaths	Death rate ²	Rank ¹	Cause of death (based on ICD-10, 2004), race, sex, and age	Number ²	Percent of total deaths	Death rate ²
Black, male, 65 years and over					Black, male, 85 years and over				
...	All causes	70,552	100.0	5,445.4	...	All causes	15,506	100.0	12,528.3
1	Diseases of heart . . . (I00-I09,I11,I13,I20-I51)	19,770	28.0	1,525.9	1	Diseases of heart . . . (I00-I09,I11,I13,I20-I51)	4,556	29.4	3,681.1
2	Malignant neoplasms (C00-C97)	18,900	26.8	1,458.7	2	Malignant neoplasms (C00-C97)	2,981	19.2	2,408.5
3	Cerebrovascular diseases (I60-I69)	4,335	6.1	334.6	3	Cerebrovascular diseases (I60-I69)	1,011	6.5	816.9
4	Chronic lower respiratory diseases (J40-J47)	3,195	4.5	246.6	4	Chronic lower respiratory diseases (J40-J47)	691	4.5	558.3
5	Diabetes mellitus (E10-E14)	3,043	4.3	234.9	5	Alzheimer's disease (G30)	621	4.0	501.7
6	Nephritis, nephrotic syndrome and nephrosis . . . (N00-N07,N17-N19,N25-N27)	2,404	3.4	185.5	6	Nephritis, nephrotic syndrome and nephrosis . . . (N00-N07,N17-N19,N25-N27)	557	3.6	450.0
7	Septicemia (A40-A41)	1,662	2.4	128.3	7	Influenza and pneumonia (J09-J18) ⁴	510	3.3	412.1
8	Influenza and pneumonia (J09-J18) ⁴	1,656	2.3	127.8	8	Diabetes mellitus (E10-E14)	480	3.1	387.8
9	Alzheimer's disease (G30)	1,380	2.0	106.5	9	Septicemia (A40-A41)	399	2.6	322.4
10	Essential hypertension and hypertensive renal disease (I10,I12,I15)	1,231	1.7	95.0	10	Essential hypertension and hypertensive renal disease (I10,I12,I15)	320	2.1	258.5
...	All other causes (residual)	12,976	18.4	1,001.5	...	All other causes (residual)	3,380	21.8	2,730.9
Black, male, 65-74 years					Black, female, all ages ³				
...	All causes	27,973	100.0	3,537.9	...	All causes	141,929	100.0	673.5
1	Malignant neoplasms (C00-C97)	8,751	31.3	1,106.8	1	Diseases of heart . . . (I00-I09,I11,I13,I20-I51)	35,344	24.9	167.7
2	Diseases of heart . . . (I00-I09,I11,I13,I20-I51)	7,729	27.6	977.5	2	Malignant neoplasms (C00-C97)	30,935	21.8	146.8
3	Cerebrovascular diseases (I60-I69)	1,629	5.8	206.0	3	Cerebrovascular diseases (I60-I69)	9,488	6.7	45.0
4	Diabetes mellitus (E10-E14)	1,370	4.9	173.3	4	Diabetes mellitus (E10-E14)	6,607	4.7	31.4
5	Chronic lower respiratory diseases (J40-J47)	1,161	4.2	146.8	5	Nephritis, nephrotic syndrome and nephrosis . . . (N00-N07,N17-N19,N25-N27)	4,700	3.3	22.3
6	Nephritis, nephrotic syndrome and nephrosis . . . (N00-N07,N17-N19,N25-N27)	940	3.4	118.9	6	Chronic lower respiratory diseases (J40-J47)	4,218	3.0	20.0
7	Septicemia (A40-A41)	603	2.2	76.3	7	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	3,994	2.8	19.0
8	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	588	2.1	74.4	8	Alzheimer's disease (G30)	3,663	2.6	17.4
9	Influenza and pneumonia (J09-J18) ⁴	464	1.7	58.7	9	Septicemia (A40-A41)	3,549	2.5	16.8
10	Essential hypertension and hypertensive renal disease (I10,I12,I15)	447	1.6	56.5	10	Influenza and pneumonia (J09-J18) ⁴	2,884	2.0	13.7
...	All other causes (residual)	4,291	15.3	542.7	...	All other causes (residual)	36,547	25.8	173.4
Black, male, 75-84 years					Black, female, 1-4 years				
...	All causes	27,073	100.0	7,102.0	...	All causes	471	100.0	35.7
1	Diseases of heart . . . (I00-I09,I11,I13,I20-I51)	7,485	27.6	1,963.5	1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	114	24.2	8.6
2	Malignant neoplasms (C00-C97)	7,168	26.5	1,880.4	2	Assault (homicide) (*U01-*U02,X85-Y09,Y87.1)	63	13.4	4.8
3	Cerebrovascular diseases (I60-I69)	1,695	6.3	444.6	3	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	50	10.6	3.8
4	Chronic lower respiratory diseases (J40-J47)	1,343	5.0	352.3	4	Diseases of heart . . . (I00-I09,I11,I13,I20-I51)	29	6.2	2.2
5	Diabetes mellitus (E10-E14)	1,193	4.4	313.0	5	Malignant neoplasms (C00-C97)	21	4.5	1.6
6	Nephritis, nephrotic syndrome and nephrosis . . . (N00-N07,N17-N19,N25-N27)	907	3.4	237.9	6	Influenza and pneumonia (J09-J18) ⁴	20	4.2	1.5
7	Influenza and pneumonia (J09-J18) ⁴	682	2.5	178.9	7	Chronic lower respiratory diseases (J40-J47)	11	2.3	*
8	Septicemia (A40-A41)	660	2.4	173.1	8	Septicemia (A40-A41)	10	2.1	*
9	Alzheimer's disease (G30)	581	2.1	152.4	9	Anemias (D50-D64)	9	1.9	*
10	Essential hypertension and hypertensive renal disease (I10,I12,I15)	464	1.7	121.7	10	Certain conditions originating in the perinatal period (P00-P96)	8	1.7	*
...	All other causes (residual)	4,895	18.1	1,284.1	...	All other causes (residual)	136	28.9	10.3

See footnotes at end of table.

Table 1. Deaths, percentage of total deaths, and death rates for the 10 leading causes of death in selected age groups, by race and sex: United States, 2008—Con.

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

Rank ¹	Cause of death (based on ICD-10, 2004), race, sex, and age	Number ²	Percent of total deaths	Death rate ²	Rank ¹	Cause of death (based on ICD-10, 2004), race, sex, and age	Number ²	Percent of total deaths	Death rate ²
Black, female, 5-9 years					Black, female, 15-19 years				
...	All causes	229	100.0	14.7	...	All causes	681	100.0	38.5
1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	76	33.2	4.9	1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	171	25.1	9.7
2	Malignant neoplasms (C00-C97)	40	17.5	2.6	2	Assault (homicide) (*U01-*U02,X85-Y09,Y87.1)	136	20.0	7.7
3	Assault (homicide) (*U01-*U02,X85-Y09,Y87.1)	20	8.7	1.3	3	Malignant neoplasms (C00-C97)	45	6.6	2.5
4	Diseases of heart (I00-I09,I11,I13,I20-I51)	12	5.2	*	4	Diseases of heart (I00-I09,I11,I13,I20-I51)	41	6.0	2.3
5	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	8	3.5	*	5	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	37	5.4	2.1
6	Chronic lower respiratory diseases (J40-J47)	6	2.6	*	6	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	24	3.5	1.4
7	Septicemia (A40-A41)	4	1.7	*	7	Pregnancy, childbirth and the puerperium (O00-O99)	18	2.6	*
7	In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior (D00-D48)	4	1.7	*	8	Chronic lower respiratory diseases (J40-J47)	17	2.5	*
7	Anemias (D50-D64)	4	1.7	*	9	Human immunodeficiency virus (HIV) disease (B20-B24)	15	2.2	*
7	Cerebrovascular diseases (I60-I69)	4	1.7	*	10	Anemias (D50-D64)	8	1.2	*
...	All other causes (residual)	51	22.3	3.3	10	Diabetes mellitus (E10-E14)	8	1.2	*
Black, female, 10-14 years					Black, female, 20-24 years				
...	All causes	289	100.0	18.1	...	All causes	1,023	100.0	63.7
1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	65	22.5	4.1	1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	218	21.3	13.6
2	Malignant neoplasms (C00-C97)	41	14.2	2.6	2	Assault (homicide) (*U01-*U02,X85-Y09,Y87.1)	190	18.6	11.8
3	Assault (homicide) (*U01-*U02,X85-Y09,Y87.1)	32	11.1	2.0	3	Diseases of heart (I00-I09,I11,I13,I20-I51)	77	7.5	4.8
4	Chronic lower respiratory diseases (J40-J47)	22	7.6	1.4	4	Malignant neoplasms (C00-C97)	76	7.4	4.7
5	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	19	6.6	*	5	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	47	4.6	2.9
6	Diseases of heart (I00-I09,I11,I13,I20-I51)	17	5.9	*	6	Human immunodeficiency virus (HIV) disease (B20-B24)	40	3.9	2.5
7	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	8	2.8	*	6	Pregnancy, childbirth and the puerperium (O00-O99)	40	3.9	2.5
8	In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior (D00-D48)	5	1.7	*	8	Diabetes mellitus (E10-E14)	18	1.8	*
9	Anemias (D50-D64)	4	1.4	*	8	Chronic lower respiratory diseases (J40-J47)	18	1.8	*
9	Influenza and pneumonia (J09-J18) ⁴	4	1.4	*	10	Influenza and pneumonia (J09-J18) ⁴	17	1.7	*
...	All other causes (residual)	72	24.9	4.5	10	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	17	1.7	*
					...				
					All other causes (residual)				
					265 25.9 16.5				

See footnotes at end of table.

Table 1. Deaths, percentage of total deaths, and death rates for the 10 leading causes of death in selected age groups, by race and sex: United States, 2008—Con.

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

Rank ¹	Cause of death (based on ICD-10, 2004), race, sex, and age	Number ²	Percent of total deaths	Death rate ²	Rank ¹	Cause of death (based on ICD-10, 2004), race, sex, and age	Number ²	Percent of total deaths	Death rate ²
Black, female, 25-34 years					Black, female, 55-64 years				
...	All causes	2,903	100.0	97.4	...	All causes	20,048	100.0	1,028.8
1	Diseases of heart . . . (I00-I09,I11,I13,I20-I51)	414	14.3	13.9	1	Malignant neoplasms . . . (C00-C97)	6,630	33.1	340.2
2	Accidents (unintentional injuries) . . . (V01-X59,Y85-Y86)	378	13.0	12.7	2	Diseases of heart . . . (I00-I09,I11,I13,I20-I51)	4,692	23.4	240.8
3	Malignant neoplasms . . . (C00-C97)	310	10.7	10.4	3	Cerebrovascular diseases . . . (I60-I69)	1,153	5.8	59.2
4	Human immunodeficiency virus (HIV) disease . . . (B20-B24)	273	9.4	9.2	4	Diabetes mellitus . . . (E10-E14)	1,085	5.4	55.7
5	Assault (homicide) . . . (*U01-*U02,X85-Y09,Y87.1)	252	8.7	8.5	5	Nephritis, nephrotic syndrome and nephrosis . . . (N00-N07,N17-N19,N25-N27)	694	3.5	35.6
6	Pregnancy, childbirth and the puerperium . . . (O00-O99)	107	3.7	3.6	6	Chronic lower respiratory diseases . . . (J40-J47)	609	3.0	31.3
7	Diabetes mellitus . . . (E10-E14)	90	3.1	3.0	7	Septicemia . . . (A40-A41)	522	2.6	26.8
8	Intentional self-harm (suicide) . . . (*U03,X60-X84,Y87.0)	81	2.8	2.7	8	Accidents (unintentional injuries) . . . (V01-X59,Y85-Y86)	431	2.1	22.1
9	Cerebrovascular diseases . . . (I60-I69)	77	2.7	2.6	9	Essential hypertension and hypertensive renal disease . . . (I10,I12,I15)	358	1.8	18.4
10	Anemias . . . (D50-D64)	69	2.4	2.3	10	Human immunodeficiency virus (HIV) disease . . . (B20-B24)	284	1.4	14.6
...	All other causes . . . (residual)	852	29.3	28.6	10	Influenza and pneumonia . . . (J09-J18) ⁴	284	1.4	14.6
Black, female, 35-44 years					Black, female, 65 years and over				
...	All causes	6,590	100.0	221.5	...	All causes	90,618	100.0	4,393.1
1	Malignant neoplasms . . . (C00-C97)	1,440	21.9	48.4	1	Diseases of heart . . . (I00-I09,I11,I13,I20-I51)	25,659	28.3	1,243.9
2	Diseases of heart . . . (I00-I09,I11,I13,I20-I51)	1,097	16.6	36.9	2	Malignant neoplasms . . . (C00-C97)	17,910	19.8	868.3
3	Human immunodeficiency virus (HIV) disease . . . (B20-B24)	620	9.4	20.8	3	Cerebrovascular diseases . . . (I60-I69)	7,004	7.7	339.5
4	Accidents (unintentional injuries) . . . (V01-X59,Y85-Y86)	554	8.4	18.6	4	Diabetes mellitus . . . (E10-E14)	4,575	5.0	221.8
5	Cerebrovascular diseases . . . (I60-I69)	313	4.7	10.5	5	Alzheimer's disease . . . (G30)	3,625	4.0	175.7
6	Diabetes mellitus . . . (E10-E14)	229	3.5	7.7	6	Nephritis, nephrotic syndrome and nephrosis . . . (N00-N07,N17-N19,N25-N27)	3,412	3.8	165.4
7	Assault (homicide) . . . (*U01-*U02,X85-Y09,Y87.1)	207	3.1	7.0	7	Chronic lower respiratory diseases . . . (J40-J47)	3,057	3.4	148.2
8	Nephritis, nephrotic syndrome and nephrosis . . . (N00-N07,N17-N19,N25-N27)	134	2.0	4.5	8	Septicemia . . . (A40-A41)	2,411	2.7	116.9
9	Septicemia . . . (A40-A41)	112	1.7	3.8	9	Influenza and pneumonia . . . (J09-J18) ⁴	2,198	2.4	106.6
10	Chronic lower respiratory diseases . . . (J40-J47)	99	1.5	3.3	10	Essential hypertension and hypertensive renal disease . . . (I10,I12,I15)	2,118	2.3	102.7
...	All other causes . . . (residual)	1,785	27.1	60.0	...	All other causes . . . (residual)	18,649	20.6	904.1
Black, female, 45-54 years					Black, female, 65-74 years				
...	All causes	15,276	100.0	525.0	...	All causes	23,794	100.0	2,155.1
1	Malignant neoplasms . . . (C00-C97)	4,418	28.9	151.8	1	Malignant neoplasms . . . (C00-C97)	7,383	31.0	668.7
2	Diseases of heart . . . (I00-I09,I11,I13,I20-I51)	3,254	21.3	111.8	2	Diseases of heart . . . (I00-I09,I11,I13,I20-I51)	5,819	24.5	527.0
3	Cerebrovascular diseases . . . (I60-I69)	893	5.8	30.7	3	Diabetes mellitus . . . (E10-E14)	1,520	6.4	137.7
4	Accidents (unintentional injuries) . . . (V01-X59,Y85-Y86)	770	5.0	26.5	4	Cerebrovascular diseases . . . (I60-I69)	1,442	6.1	130.6
5	Human immunodeficiency virus (HIV) disease . . . (B20-B24)	648	4.2	22.3	5	Nephritis, nephrotic syndrome and nephrosis . . . (N00-N07,N17-N19,N25-N27)	1,007	4.2	91.2
6	Diabetes mellitus . . . (E10-E14)	596	3.9	20.5	6	Chronic lower respiratory diseases . . . (J40-J47)	952	4.0	86.2
7	Nephritis, nephrotic syndrome and nephrosis . . . (N00-N07,N17-N19,N25-N27)	368	2.4	12.6	7	Septicemia . . . (A40-A41)	668	2.8	60.5
8	Septicemia . . . (A40-A41)	352	2.3	12.1	8	Essential hypertension and hypertensive renal disease . . . (I10,I12,I15)	469	2.0	42.5
9	Chronic lower respiratory diseases . . . (J40-J47)	338	2.2	11.6	9	Influenza and pneumonia . . . (J09-J18) ⁴	432	1.8	39.1
10	Chronic liver disease and cirrhosis . . . (K70,K73-K74)	280	1.8	9.6	10	Accidents (unintentional injuries) . . . (V01-X59,Y85-Y86)	302	1.3	27.4
...	All other causes . . . (residual)	3,359	22.0	115.4	...	All other causes . . . (residual)	3,800	16.0	344.2

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Rank ¹	Cause of death (based on ICD-10, 2004), race, sex, and age	Number ²	Percent of total deaths	Death rate ²	Rank ¹	Cause of death (based on ICD-10, 2004), race, sex, and age	Number ²	Percent of total deaths	Death rate ²
Black, female, 75-84 years					American Indian or Alaska Native, both sexes, 1-4 years				
...	All causes	32,057	100.0	4,816.3	...	All causes	100	100.0	38.9
1	Diseases of heart . . . (I00-I09,I11,I13,I20-I51)	8,883	27.7	1,334.6	...	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	39	39.0	15.2
2	Malignant neoplasms (C00-C97)	6,760	21.1	1,015.6	1	Assault (homicide) . . . (*U01-U02,X85-Y09,Y87.1)	9	9.0	*
3	Cerebrovascular diseases (I60-I69)	2,643	8.2	397.1	2	Malignant neoplasms (C00-C97)	6	6.0	*
4	Diabetes mellitus (E10-E14)	1,756	5.5	263.8	3	Diseases of heart . . . (I00-I09,I11,I13,I20-I51)	6	6.0	*
5	Nephritis, nephrotic syndrome and nephrosis . . . (N00-N07,N17-N19,N25-N27)	1,223	3.8	183.7	3	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	6	6.0	*
6	Chronic lower respiratory diseases (J40-J47)	1,173	3.7	176.2	6	Chronic lower respiratory diseases (J40-J47)	2	2.0	*
7	Alzheimer's disease (G30)	1,123	3.5	168.7	7	Meningococcal infection (A39)	1	1.0	*
8	Septicemia (A40-A41)	899	2.8	135.1	7	Cerebrovascular diseases (I60-I69)	1	1.0	*
9	Influenza and pneumonia (J09-J18) ⁴	726	2.3	109.1	7	Influenza and pneumonia (J09-J18) ⁴	1	1.0	*
10	Essential hypertension and hypertensive renal disease (I10,I12,I15)	719	2.2	108.0	7	Acute bronchitis and bronchiolitis . . . (J20-J21)	1	1.0	*
...	All other causes (residual)	6,152	19.2	924.3	7	Diseases of appendix (K35-K38)	1	1.0	*
Black, female, 85 years and over					American Indian or Alaska Native, both sexes, 5-9 years				
...	All causes	34,767	100.0	11,863.8	...	All causes	40	100.0	14.2
1	Diseases of heart . . . (I00-I09,I11,I13,I20-I51)	10,957	31.5	3,738.9	1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	12	30.0	*
2	Malignant neoplasms (C00-C97)	3,767	10.8	1,285.4	2	Malignant neoplasms (C00-C97)	5	12.5	*
3	Cerebrovascular diseases (I60-I69)	2,919	8.4	996.1	3	Influenza and pneumonia (J09-J18) ⁴	4	10.0	*
4	Alzheimer's disease (G30)	2,281	6.6	778.4	4	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	3	7.5	*
5	Diabetes mellitus (E10-E14)	1,299	3.7	443.3	5	In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior (D00-D48)	1	2.5	*
6	Nephritis, nephrotic syndrome and nephrosis . . . (N00-N07,N17-N19,N25-N27)	1,182	3.4	403.3	5	Meningitis (G00,G03)	1	2.5	*
7	Influenza and pneumonia (J09-J18) ⁴	1,040	3.0	354.9	5	Chronic lower respiratory diseases (J40-J47)	1	2.5	*
8	Chronic lower respiratory diseases (J40-J47)	932	2.7	318.0	5	Diseases of appendix (K35-K38)	1	2.5	*
9	Essential hypertension and hypertensive renal disease (I10,I12,I15)	930	2.7	317.4	5	Assault (homicide) . . . (*U01-U02,X85-Y09,Y87.1)	1	2.5	*
10	Septicemia (A40-A41)	844	2.4	288.0	...	All other causes (residual)	11	27.5	*
...	All other causes (residual)	8,616	24.8	2,940.1	American Indian or Alaska Native, both sexes, 10-14 years				
American Indian or Alaska Native, both sexes, all ages³					...	All causes	57	100.0	20.9
...	All causes	14,776	100.0	431.8	1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	24	42.1	8.8
1	Malignant neoplasms (C00-C97)	2,727	18.5	79.7	2	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	14	24.6	*
2	Diseases of heart . . . (I00-I09,I11,I13,I20-I51)	2,657	18.0	77.6	3	Assault (homicide) . . . (*U01-U02,X85-Y09,Y87.1)	3	5.3	*
3	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	1,682	11.4	49.2	4	Malignant neoplasms (C00-C97)	2	3.5	*
4	Diabetes mellitus (E10-E14)	779	5.3	22.8	4	Influenza and pneumonia (J09-J18) ⁴	2	3.5	*
5	Chronic liver disease and cirrhosis (K70,K73-K74)	742	5.0	21.7	4	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	2	3.5	*
6	Chronic lower respiratory diseases (J40-J47)	619	4.2	18.1	7	Septicemia (A40-A41)	1	1.8	*
7	Cerebrovascular diseases (I60-I69)	517	3.5	15.1	...	All other causes (residual)	9	15.8	*
8	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	409	2.8	12.0					
9	Influenza and pneumonia (J09-J18) ⁴	379	2.6	11.1					
10	Nephritis, nephrotic syndrome and nephrosis . . . (N00-N07,N17-N19,N25-N27)	338	2.3	9.9					
...	All other causes (residual)	3,927	26.6	114.8					

See footnotes at end of table.

Table 1. Deaths, percentage of total deaths, and death rates for the 10 leading causes of death in selected age groups, by race and sex: United States, 2008—Con.

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

Rank ¹	Cause of death (based on ICD-10, 2004), race, sex, and age	Number ²	Percent of total deaths	Death rate ²	Rank ¹	Cause of death (based on ICD-10, 2004), race, sex, and age	Number ²	Percent of total deaths	Death rate ²
American Indian or Alaska Native, both sexes, 15-19 years					American Indian or Alaska Native, both sexes, 25-34 years				
...	All causes	264	100.0	86.5	...	All causes	772	100.0	150.6
1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	121	45.8	39.6	1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	303	39.2	59.1
2	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	70	26.5	22.9	2	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	92	11.9	17.9
3	Assault (homicide) (*U01-*U02,X85-Y09,Y87.1)	23	8.7	7.5	3	Assault (homicide) (*U01-*U02,X85-Y09,Y87.1)	74	9.6	14.4
4	Diseases of heart (I00-I09,I11,I13,I20-I51)	10	3.8	*	4	Chronic liver disease and cirrhosis (K70,K73-K74)	45	5.8	8.8
5	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	6	2.3	*	5	Diseases of heart (I00-I09,I11,I13,I20-I51)	37	4.8	7.2
6	Malignant neoplasms (C00-C97)	5	1.9	*	6	Malignant neoplasms (C00-C97)	29	3.8	5.7
7	Chronic lower respiratory diseases (J40-J47)	2	0.8	*	7	Influenza and pneumonia (J09-J18) ^d	14	1.8	*
8	Septicemia (A40-A41)	1	0.4	*	8	Diabetes mellitus (E10-E14)	13	1.7	*
8	In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior (D00-D48)	1	0.4	*	9	Septicemia (A40-A41)	7	0.9	*
8	Diabetes mellitus (E10-E14)	1	0.4	*	9	Human immunodeficiency virus (HIV) disease (B20-B24)	7	0.9	*
8	Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	1	0.4	*	...	All other causes (residual)	151	19.6	29.5
8	Legal intervention (Y35,Y89.0)	1	0.4	*	American Indian or Alaska Native, both sexes, 35-44 years				
...	All other causes (residual)	22	8.3	7.2	...	All causes	1,216	100.0	267.3
American Indian or Alaska Native, both sexes, 20-24 years					1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	309	25.4	67.9
...	All causes	371	100.0	124.8	2	Chronic liver disease and cirrhosis (K70,K73-K74)	160	13.2	35.2
1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	177	47.7	59.5	3	Diseases of heart (I00-I09,I11,I13,I20-I51)	121	10.0	26.6
2	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	70	18.9	23.5	4	Malignant neoplasms (C00-C97)	111	9.1	24.4
3	Assault (homicide) (*U01-*U02,X85-Y09,Y87.1)	41	11.1	13.8	5	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	76	6.3	16.7
4	Diseases of heart (I00-I09,I11,I13,I20-I51)	12	3.2	*	6	Assault (homicide) (*U01-*U02,X85-Y09,Y87.1)	42	3.5	9.2
5	Malignant neoplasms (C00-C97)	4	1.1	*	7	Diabetes mellitus (E10-E14)	39	3.2	8.6
5	Influenza and pneumonia (J09-J18) ^d	4	1.1	*	8	Influenza and pneumonia (J09-J18) ^d	30	2.5	6.6
5	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	4	1.1	*	9	Human immunodeficiency virus (HIV) disease (B20-B24)	24	2.0	5.3
8	Anemias (D50-D64)	3	0.8	*	10	Cerebrovascular diseases (I60-I69)	20	1.6	4.4
8	Diabetes mellitus (E10-E14)	3	0.8	*	...	All other causes (residual)	284	23.4	62.4
8	Chronic liver disease and cirrhosis (K70,K73-K74)	3	0.8	*	American Indian or Alaska Native, both sexes, 45-54 years				
8	Pregnancy, childbirth and the puerperium (O00-O99)	3	0.8	*	...	All causes	2,087	100.0	476.4
...	All other causes (residual)	47	12.7	15.8	1	Malignant neoplasms (C00-C97)	368	17.6	84.0
See footnotes at end of table.					2	Diseases of heart (I00-I09,I11,I13,I20-I51)	351	16.8	80.1
					3	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	312	14.9	71.2
					4	Chronic liver disease and cirrhosis (K70,K73-K74)	226	10.8	51.6
					5	Diabetes mellitus (E10-E14)	91	4.4	20.8
					6	Cerebrovascular diseases (I60-I69)	56	2.7	12.8
					7	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	49	2.3	11.2
					8	Septicemia (A40-A41)	46	2.2	10.5
					9	Chronic lower respiratory diseases (J40-J47)	43	2.1	9.8
					9	Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	43	2.1	9.8
					...	All other causes (residual)	502	24.1	114.6

Table 1. Deaths, percentage of total deaths, and death rates for the 10 leading causes of death in selected age groups, by race and sex: United States, 2008—Con.

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

Rank ¹	Cause of death (based on ICD-10, 2004), race, sex, and age	Number ²	Percent of total deaths	Death rate ²	Rank ¹	Cause of death (based on ICD-10, 2004), race, sex, and age	Number ²	Percent of total deaths	Death rate ²
American Indian or Alaska Native, both sexes, 55-64 years					American Indian or Alaska Native, both sexes, 75-84 years				
...	All causes	2,441	100.0	845.2	...	All causes	2,587	100.0	3,644.1
1	Malignant neoplasms (C00-C97)	609	24.9	210.9	1	Malignant neoplasms (C00-C97)	585	22.6	824.0
2	Diseases of heart (I00-I09,I11,I13,I20-I51)	488	20.0	169.0	2	Diseases of heart (I00-I09,I11,I13,I20-I51)	574	22.2	808.6
3	Chronic liver disease and cirrhosis (K70,K73-K74)	197	8.1	68.2	3	Chronic lower respiratory diseases (J40-J47)	179	6.9	252.1
4	Diabetes mellitus (E10-E14)	173	7.1	59.9	4	Diabetes mellitus (E10-E14)	173	6.7	243.7
5	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	143	5.9	49.5	5	Cerebrovascular diseases (I60-I69)	136	5.3	191.6
6	Chronic lower respiratory diseases (J40-J47)	117	4.8	40.5	6	Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	85	3.3	119.7
7	Cerebrovascular diseases (I60-I69)	81	3.3	28.0	7	Influenza and pneumonia (J09-J18) ⁴	82	3.2	115.5
8	Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	63	2.6	21.8	8	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	75	2.9	105.6
9	Influenza and pneumonia (J09-J18) ⁴	47	1.9	16.3	9	Alzheimer's disease (G30)	63	2.4	88.7
10	Septicemia (A40-A41)	39	1.6	13.5	10	Septicemia (A40-A41)	57	2.2	80.3
...	All other causes (residual)	484	19.8	167.6	...	All other causes (residual)	578	22.3	814.2
American Indian or Alaska Native, both sexes, 65 years and over					American Indian or Alaska Native, both sexes, 85 years and over				
...	All causes	7,022	100.0	2,875.0	...	All causes	1,766	100.0	6,169.4
1	Diseases of heart (I00-I09,I11,I13,I20-I51)	1,619	23.1	662.9	1	Diseases of heart (I00-I09,I11,I13,I20-I51)	482	27.3	1,683.8
2	Malignant neoplasms (C00-C97)	1,587	22.6	649.8	2	Malignant neoplasms (C00-C97)	225	12.7	786.0
3	Diabetes mellitus (E10-E14)	459	6.5	187.9	3	Alzheimer's disease (G30)	119	6.7	415.7
4	Chronic lower respiratory diseases (J40-J47)	440	6.3	180.1	4	Cerebrovascular diseases (I60-I69)	109	6.2	380.8
5	Cerebrovascular diseases (I60-I69)	353	5.0	144.5	5	Influenza and pneumonia (J09-J18) ⁴	91	5.2	317.9
6	Influenza and pneumonia (J09-J18) ⁴	228	3.2	93.3	6	Chronic lower respiratory diseases (J40-J47)	78	4.4	272.5
7	Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	218	3.1	89.3	7	Diabetes mellitus (E10-E14)	73	4.1	255.0
8	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	211	3.0	86.4	8	Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	57	3.2	199.1
9	Alzheimer's disease (G30)	204	2.9	83.5	9	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	43	2.4	150.2
10	Septicemia (A40-A41)	132	1.9	54.0	10	Essential hypertension and hypertensive renal disease (I10,I12,I15)	25	1.4	87.3
...	All other causes (residual)	1,571	22.4	643.2	...	All other causes (residual)	464	26.3	1,621.0
American Indian or Alaska Native, both sexes, 65-74 years					American Indian or Alaska Native, male, all ages ³				
...	All causes	2,669	100.0	1,845.4	...	All causes	8,163	100.0	477.6
1	Malignant neoplasms (C00-C97)	777	29.1	537.2	1	Diseases of heart (I00-I09,I11,I13,I20-I51)	1,527	18.7	89.3
2	Diseases of heart (I00-I09,I11,I13,I20-I51)	563	21.1	389.3	2	Malignant neoplasms (C00-C97)	1,452	17.8	84.9
3	Diabetes mellitus (E10-E14)	213	8.0	147.3	3	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	1,158	14.2	67.7
4	Chronic lower respiratory diseases (J40-J47)	183	6.9	126.5	4	Chronic liver disease and cirrhosis (K70,K73-K74)	406	5.0	23.8
5	Cerebrovascular diseases (I60-I69)	108	4.0	74.7	5	Diabetes mellitus (E10-E14)	388	4.8	22.7
6	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	93	3.5	64.3	6	Chronic lower respiratory diseases (J40-J47)	308	3.8	18.0
7	Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	76	2.8	52.5	6	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	308	3.8	18.0
8	Chronic liver disease and cirrhosis (K70,K73-K74)	66	2.5	45.6	8	Cerebrovascular diseases (I60-I69)	234	2.9	13.7
9	Influenza and pneumonia (J09-J18) ⁴	55	2.1	38.0	9	Assault (homicide) (*U01-*U02,X85-Y09,Y87.1)	192	2.4	11.2
10	Septicemia (A40-A41)	52	1.9	36.0	10	Influenza and pneumonia (J09-J18) ⁴	186	2.3	10.9
...	All other causes (residual)	483	18.1	334.0	...	All other causes (residual)	2,004	24.5	117.2

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Rank ¹	Cause of death (based on ICD-10, 2004), race, sex, and age	Number ²	Percent of total deaths	Death rate ²	Rank ¹	Cause of death (based on ICD-10, 2004), race, sex, and age	Number ²	Percent of total deaths	Death rate ²
American Indian or Alaska Native, male, 1-4 years					American Indian or Alaska Native, male, 15-19 years				
...	All causes	50	100.0	38.4	...	All causes	174	100.0	112.7
1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	23	46.0	17.6	1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	80	46.0	51.8
2	Malignant neoplasms (C00-C97)	4	8.0	*	2	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	51	29.3	33.0
3	Assault (homicide) (*U01-U02,X85-Y09,Y87.1)	3	6.0	*	3	Assault (homicide) (*U01-U02,X85-Y09,Y87.1)	16	9.2	*
4	Diseases of heart (I00-I09,I11,I13,I20-I51)	2	4.0	*	4	Diseases of heart (I00-I09,I11,I13,I20-I51)	5	2.9	*
5	Meningococcal infection (A39)	1	2.0	*	5	Malignant neoplasms (C00-C97)	2	1.1	*
5	Chronic lower respiratory diseases (J40-J47)	1	2.0	*	5	Chronic lower respiratory diseases (J40-J47)	2	1.1	*
5	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	1	2.0	*	5	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	2	1.1	*
...	All other causes (residual)	15	30.0	*	8	Septicemia (A40-A41)	1	0.6	*
American Indian or Alaska Native, male, 5-9 years					8	Diabetes mellitus (E10-E14)	1	0.6	*
...	All causes	21	100.0	14.7	8	Legal intervention (Y35,Y89.0)	1	0.6	*
1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	8	38.1	*	...	All other causes (residual)	13	7.5	*
2	Influenza and pneumonia (J09-J18) ^d	2	9.5	*	American Indian or Alaska Native, male, 20-24 years				
3	Malignant neoplasms (C00-C97)	1	4.8	*	...	All causes	288	100.0	189.4
3	Meningitis (G00,G03)	1	4.8	*	1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	142	49.3	93.4
3	Chronic lower respiratory diseases (J40-J47)	1	4.8	*	1	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	59	20.5	38.8
3	Diseases of appendix (K35-K38)	1	4.8	*	2	Assault (homicide) (*U01-U02,X85-Y09,Y87.1)	34	11.8	22.4
3	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	1	4.8	*	3	Diseases of heart (I00-I09,I11,I13,I20-I51)	7	2.4	*
...	All other causes (residual)	6	28.6	*	5	Malignant neoplasms (C00-C97)	3	1.0	*
American Indian or Alaska Native, male, 10-14 years					6	Anemias (D50-D64)	2	0.7	*
...	All causes	31	100.0	22.4	6	Diabetes mellitus (E10-E14)	2	0.7	*
1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	17	54.8	*	6	Chronic liver disease and cirrhosis (K70,K73-K74)	2	0.7	*
2	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	6	19.4	*	6	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	2	0.7	*
3	Septicemia (A40-A41)	1	3.2	*	10	Septicemia (A40-A41)	1	0.3	*
3	Malignant neoplasms (C00-C97)	1	3.2	*	10	Human immunodeficiency virus (HIV) disease (B20-B24)	1	0.3	*
3	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	1	3.2	*	10	Cerebrovascular diseases (I60-I69)	1	0.3	*
3	Assault (homicide) (*U01-U02,X85-Y09,Y87.1)	1	3.2	*	10	Influenza and pneumonia (J09-J18) ^d	1	0.3	*
...	All other causes (residual)	4	12.9	*	10	Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	1	0.3	*
					10	Legal intervention (Y35,Y89.0)	1	0.3	*
					...	All other causes (residual)	29	10.1	19.1

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Table 1. Deaths, percentage of total deaths, and death rates for the 10 leading causes of death in selected age groups, by race and sex: United States, 2008—Con.

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Rank ¹	Cause of death (based on ICD-10, 2004), race, sex, and age	Number ²	Percent of total deaths	Death rate ²	Rank ¹	Cause of death (based on ICD-10, 2004), race, sex, and age	Number ²	Percent of total deaths	Death rate ²
American Indian or Alaska Native, male, 25-34 years					American Indian or Alaska Native, male, 55-64 years				
...	All causes	528	100.0	198.2	...	All causes	1,438	100.0	1,037.8
1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	214	40.5	80.3	1	Malignant neoplasms (C00-C97)	337	23.4	243.2
2	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	77	14.6	28.9	2	Diseases of heart (I00-I09,I11,I13,I20-I51)	328	22.8	236.7
3	Assault (homicide) (*U01-U02,X85-Y09,Y87.1)	62	11.7	23.3	3	Chronic liver disease and cirrhosis (K70,K73-K74)	108	7.5	77.9
4	Diseases of heart (I00-I09,I11,I13,I20-I51)	29	5.5	10.9	4	Diabetes mellitus (E10-E14)	106	7.4	76.5
5	Chronic liver disease and cirrhosis (K70,K73-K74)	20	3.8	7.5	5	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	102	7.1	73.6
6	Malignant neoplasms (C00-C97)	17	3.2	*	6	Chronic lower respiratory diseases (J40-J47)	63	4.4	45.5
7	Influenza and pneumonia (J09-J18) [†]	11	2.1	*	7	Cerebrovascular diseases (I60-I69)	42	2.9	30.3
8	Diabetes mellitus (E10-E14)	10	1.9	*	8	Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	31	2.2	22.4
9	Septicemia (A40-A41)	5	0.9	*	9	Septicemia (A40-A41)	25	1.7	18.0
9	Human immunodeficiency virus (HIV) disease (B20-B24)	5	0.9	*	10	Viral hepatitis (B15-B19)	22	1.5	15.9
...	All other causes (residual)	78	14.8	29.3	10	Influenza and pneumonia (J09-J18) [†]	22	1.5	15.9
...					...	All other causes (residual)	252	17.5	181.9
American Indian or Alaska Native, male, 35-44 years					American Indian or Alaska Native, male, 65 years and over				
...	All causes	727	100.0	315.9	...	All causes	3,355	100.0	3,118.1
1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	209	28.7	90.8	1	Malignant neoplasms (C00-C97)	834	24.9	775.1
2	Chronic liver disease and cirrhosis (K70,K73-K74)	79	10.9	34.3	2	Diseases of heart (I00-I09,I11,I13,I20-I51)	811	24.2	753.7
3	Diseases of heart (I00-I09,I11,I13,I20-I51)	77	10.6	33.5	3	Chronic lower respiratory diseases (J40-J47)	212	6.3	197.0
4	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	56	7.7	24.3	4	Diabetes mellitus (E10-E14)	191	5.7	177.5
5	Malignant neoplasms (C00-C97)	49	6.7	21.3	5	Cerebrovascular diseases (I60-I69)	148	4.4	137.6
6	Assault (homicide) (*U01-U02,X85-Y09,Y87.1)	32	4.4	13.9	6	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	122	3.6	113.4
7	Diabetes mellitus (E10-E14)	27	3.7	11.7	7	Influenza and pneumonia (J09-J18) [†]	107	3.2	99.4
8	Human immunodeficiency virus (HIV) disease (B20-B24)	16	2.2	*	8	Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	97	2.9	90.2
9	Influenza and pneumonia (J09-J18) [†]	14	1.9	*	9	Alzheimer's disease (G30)	62	1.8	57.6
10	Cerebrovascular diseases (I60-I69)	11	1.5	*	10	Chronic liver disease and cirrhosis (K70,K73-K74)	60	1.8	55.8
...	All other causes (residual)	157	21.6	68.2	...	All other causes (residual)	711	21.2	660.8
American Indian or Alaska Native, male, 45-54 years					American Indian or Alaska Native, male, 65-74 years				
...	All causes	1,317	100.0	617.8	...	All causes	1,464	100.0	2,169.8
1	Diseases of heart (I00-I09,I11,I13,I20-I51)	261	19.8	122.4	1	Malignant neoplasms (C00-C97)	427	29.2	632.9
2	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	224	17.0	105.1	2	Diseases of heart (I00-I09,I11,I13,I20-I51)	358	24.5	530.6
3	Malignant neoplasms (C00-C97)	203	15.4	95.2	3	Chronic lower respiratory diseases (J40-J47)	99	6.8	146.7
4	Chronic liver disease and cirrhosis (K70,K73-K74)	137	10.4	64.3	4	Diabetes mellitus (E10-E14)	92	6.3	136.4
5	Diabetes mellitus (E10-E14)	51	3.9	23.9	5	Cerebrovascular diseases (I60-I69)	65	4.4	96.3
6	Cerebrovascular diseases (I60-I69)	32	2.4	15.0	6	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	59	4.0	87.4
7	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	31	2.4	14.5	7	Chronic liver disease and cirrhosis (K70,K73-K74)	44	3.0	65.2
8	Viral hepatitis (B15-B19)	25	1.9	11.7	8	Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	31	2.1	45.9
8	Assault (homicide) (*U01-U02,X85-Y09,Y87.1)	25	1.9	11.7	9	Influenza and pneumonia (J09-J18) [†]	23	1.6	34.1
10	Influenza and pneumonia (J09-J18) [†]	24	1.8	11.3	10	Septicemia (A40-A41)	21	1.4	31.1
...	All other causes (residual)	304	23.1	142.6	...	All other causes (residual)	245	16.7	363.1

See footnotes at end of table.

Table 1. Deaths, percentage of total deaths, and death rates for the 10 leading causes of death in selected age groups, by race and sex: United States, 2008—Con.

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

Rank ¹	Cause of death (based on ICD-10, 2004), race, sex, and age	Number ²	Percent of total deaths	Death rate ²	Rank ¹	Cause of death (based on ICD-10, 2004), race, sex, and age	Number ²	Percent of total deaths	Death rate ²
American Indian or Alaska Native, male, 75–84 years					American Indian or Alaska Native, female, 1–4 years				
...	All causes	1,269	100.0	4,150.2	...	All causes	50	100.0	39.5
1	Malignant neoplasms (C00–C97)	307	24.2	1,004.0	1	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	16	32.0	*
2	Diseases of heart (I00–I09,I11,I13,I20–I51)	284	22.4	928.8	2	Assault (homicide) (*U01–*U02,X85–Y09,Y87.1)	6	12.0	*
3	Chronic lower respiratory diseases (J40–J47)	82	6.5	268.2	3	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	5	10.0	*
4	Diabetes mellitus (E10–E14)	75	5.9	245.3	4	Diseases of heart (I00–I09,I11,I13,I20–I51)	4	8.0	*
5	Cerebrovascular diseases (I60–I69)	52	4.1	170.1	5	Malignant neoplasms (C00–C97)	2	4.0	*
6	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	45	3.5	147.2	6	Cerebrovascular diseases (I60–I69)	1	2.0	*
7	Influenza and pneumonia (J09–J18) ⁴	44	3.5	143.9	6	Influenza and pneumonia (J09–J18) ⁴	1	2.0	*
7	Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27)	44	3.5	143.9	6	Acute bronchitis and bronchiolitis (J20–J21)	1	2.0	*
9	Parkinson's disease (G20–G21)	25	2.0	81.8	6	Chronic lower respiratory diseases (J40–J47)	1	2.0	*
10	Septicemia (A40–A41)	24	1.9	78.5	6	Diseases of appendix (K35–K38)	1	2.0	*
...	All other causes (residual)	287	22.6	938.6	...	All other causes (residual)	12	24.0	*
American Indian or Alaska Native, male, 85 years and over					American Indian or Alaska Native, female, 5–9 years				
...	All causes	622	100.0	6,513.8	...	All causes	19	100.0	*
1	Diseases of heart (I00–I09,I11,I13,I20–I51)	169	27.2	1,769.8	1	Malignant neoplasms (C00–C97)	4	21.1	*
2	Malignant neoplasms (C00–C97)	100	16.1	1,047.2	1	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	4	21.1	*
3	Influenza and pneumonia (J09–J18) ⁴	40	6.4	418.9	1	Influenza and pneumonia (J09–J18) ⁴	2	10.5	*
4	Alzheimer's disease (G30)	34	5.5	356.1	3	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	2	10.5	*
5	Cerebrovascular diseases (I60–I69)	31	5.0	324.6	3	In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior (D00–D48)	1	5.3	*
5	Chronic lower respiratory diseases (J40–J47)	31	5.0	324.6	5	Assault (homicide) (*U01–*U02,X85–Y09,Y87.1)	1	5.3	*
7	Diabetes mellitus (E10–E14)	24	3.9	251.3	...	All other causes (residual)	5	26.3	*
8	Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27)	22	3.5	230.4	American Indian or Alaska Native, female, 10–14 years				
9	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	18	2.9	*	...	All causes	26	100.0	19.4
10	Essential hypertension and hypertensive renal disease (I10,I12,I15)	12	1.9	*	1	Intentional self-harm (suicide) (*U03,X60–X84,Y87.0)	8	30.8	*
...	All other causes (residual)	141	22.7	1,476.6	2	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	7	26.9	*
American Indian or Alaska Native, female, all ages ³					3	Influenza and pneumonia (J09–J18) ⁴	2	7.7	*
...	All causes	6,613	100.0	386.1	3	Assault (homicide) (*U01–*U02,X85–Y09,Y87.1)	2	7.7	*
1	Malignant neoplasms (C00–C97)	1,275	19.3	74.4	5	Malignant neoplasms (C00–C97)	1	3.8	*
2	Diseases of heart (I00–I09,I11,I13,I20–I51)	1,130	17.1	66.0	5	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	1	3.8	*
3	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	524	7.9	30.6	...	All other causes (residual)	5	19.2	*
4	Diabetes mellitus (E10–E14)	391	5.9	22.8	...				
5	Chronic liver disease and cirrhosis (K70,K73–K74)	336	5.1	19.6					
6	Chronic lower respiratory diseases (J40–J47)	311	4.7	18.2					
7	Cerebrovascular diseases (I60–I69)	283	4.3	16.5					
8	Influenza and pneumonia (J09–J18) ⁴	193	2.9	11.3					
9	Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27)	183	2.8	10.7					
10	Alzheimer's disease (G30)	142	2.1	8.3					
...	All other causes (residual)	1,845	27.9	107.7					

See footnotes at end of table.

Table 1. Deaths, percentage of total deaths, and death rates for the 10 leading causes of death in selected age groups, by race and sex: United States, 2008—Con.

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

Rank ¹	Cause of death (based on ICD-10, 2004), race, sex, and age	Number ²	Percent of total deaths	Death rate ²	Rank ¹	Cause of death (based on ICD-10, 2004), race, sex, and age	Number ²	Percent of total deaths	Death rate ²
American Indian or Alaska Native, female, 15-19 years					American Indian or Alaska Native, female, 25-34 years				
...	All causes	90	100.0	59.7	...	All causes	244	100.0	99.1
1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	41	45.6	27.2	1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	89	36.5	36.1
2	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	19	21.1	*	2	Chronic liver disease and cirrhosis (K70,K73-K74)	25	10.2	10.1
3	Assault (homicide) (*U01-*U02,X85-Y09,Y87.1)	7	7.8	*	3	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	15	6.1	*
4	Diseases of heart (I00-I09,I11,I13,I20-I51)	5	5.6	*	4	Malignant neoplasms (C00-C97)	12	4.9	*
5	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	4	4.4	*	4	Assault (homicide) (*U01-*U02,X85-Y09,Y87.1)	12	4.9	*
6	Malignant neoplasms (C00-C97)	3	3.3	*	6	Diseases of heart (I00-I09,I11,I13,I20-I51)	8	3.3	*
7	In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior (D00-D48)	1	1.1	*	7	Cerebrovascular diseases (I60-I69)	4	1.6	*
7	Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	1	1.1	*	7	Pregnancy, childbirth and the puerperium (O00-O99)	4	1.6	*
...	All other causes (residual)	9	10.0	*	9	Diabetes mellitus (E10-E14)	3	1.2	*
American Indian or Alaska Native, female, 20-24 years					9	Influenza and pneumonia (J09-J18) ^d	3	1.2	*
...	All causes	83	100.0	57.1	9	Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	3	1.2	*
1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	35	42.2	24.1	...	All other causes (residual)	66	27.0	26.8
2	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	11	13.3	*	American Indian or Alaska Native, female, 35-44 years				
3	Assault (homicide) (*U01-*U02,X85-Y09,Y87.1)	7	8.4	*	...	All causes	489	100.0	217.6
4	Diseases of heart (I00-I09,I11,I13,I20-I51)	5	6.0	*	1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	100	20.4	44.5
5	Influenza and pneumonia (J09-J18) ^d	3	3.6	*	2	Chronic liver disease and cirrhosis (K70,K73-K74)	81	16.6	36.0
5	Pregnancy, childbirth and the puerperium (O00-O99)	3	3.6	*	3	Malignant neoplasms (C00-C97)	62	12.7	27.6
7	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	2	2.4	*	4	Diseases of heart (I00-I09,I11,I13,I20-I51)	44	9.0	19.6
8	Human immunodeficiency virus (HIV) disease (B20-B24)	1	1.2	*	5	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	20	4.1	8.9
8	Malignant neoplasms (C00-C97)	1	1.2	*	6	Influenza and pneumonia (J09-J18) ^d	16	3.3	*
8	Anemias (D50-D64)	1	1.2	*	7	Diabetes mellitus (E10-E14)	12	2.5	*
8	Diabetes mellitus (E10-E14)	1	1.2	*	8	Assault (homicide) (*U01-*U02,X85-Y09,Y87.1)	10	2.0	*
8	Chronic lower respiratory diseases (J40-J47)	1	1.2	*	9	Cerebrovascular diseases (I60-I69)	9	1.8	*
8	Chronic liver disease and cirrhosis (K70,K73-K74)	1	1.2	*	10	Human immunodeficiency virus (HIV) disease (B20-B24)	8	1.6	*
...	All other causes (residual)	11	13.3	*	...	All other causes (residual)	127	26.0	56.5
American Indian or Alaska Native, female, 45-54 years					...	All causes	770	100.0	342.3
...	All causes . . . . .	...	...	...	1	Malignant neoplasms (C00-C97)	165	21.4	73.3
1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	...	...	...	2	Diseases of heart (I00-I09,I11,I13,I20-I51)	90	11.7	40.0
2	Chronic liver disease and cirrhosis (K70,K73-K74)	...	...	...	3	Chronic liver disease and cirrhosis (K70,K73-K74)	89	11.6	39.6
3	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	...	...	...	4	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	88	11.4	39.1
4	Diabetes mellitus (E10-E14)	...	...	...	5	Diabetes mellitus (E10-E14)	40	5.2	17.8
5	Cerebrovascular diseases (I60-I69)	...	...	...	6	Cerebrovascular diseases (I60-I69)	24	3.1	10.7
6	Septicemia (A40-A41)	...	...	...	7	Septicemia (A40-A41)	23	3.0	10.2
7	Chronic lower respiratory diseases (J40-J47)	...	...	...	8	Chronic lower respiratory diseases (J40-J47)	22	2.9	9.8
8	Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	...	...	...	9	Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	21	2.7	9.3
9	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	10	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	18	2.3	*
...	All other causes (residual)	All other causes (residual)	190	24.7	84.5

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Rank ¹	Cause of death (based on ICD-10, 2004), race, sex, and age	Number ²	Percent of total deaths	Death rate ²	Rank ¹	Cause of death (based on ICD-10, 2004), race, sex, and age	Number ²	Percent of total deaths	Death rate ²
American Indian or Alaska Native, female, 55-64 years					American Indian or Alaska Native, female, 75-84 years				
...	All causes	1,003	100.0	667.6	...	All causes	1,318	100.0	3,261.2
1	Malignant neoplasms(C00-C97)	272	27.1	181.0	1	Diseases of heart . . . (I00-I09,I11,I13,I20-I51)	290	22.0	717.6
2	Diseases of heart . . . (I00-I09,I11,I13,I20-I51)	160	16.0	106.5	2	Malignant neoplasms(C00-C97)	278	21.1	687.9
3	Chronic liver disease and cirrhosis(K70,K73-K74)	89	8.9	59.2	3	Diabetes mellitus(E10-E14)	98	7.4	242.5
4	Diabetes mellitus(E10-E14)	67	6.7	44.6	4	Chronic lower respiratory diseases(J40-J47)	97	7.4	240.0
5	Chronic lower respiratory diseases(J40-J47)	54	5.4	35.9	5	Cerebrovascular diseases(I60-I69)	84	6.4	207.8
6	Accidents (unintentional injuries)(V01-X59,Y85-Y86)	41	4.1	27.3	6	Alzheimer's disease(G30)	44	3.3	108.9
7	Cerebrovascular diseases(I60-I69)	39	3.9	26.0	7	Nephritis, nephrotic syndrome and nephrosis . . . (N00-N07,N17-N19,N25-N27)	41	3.1	101.4
8	Nephritis, nephrotic syndrome and nephrosis . . . (N00-N07,N17-N19,N25-N27)	32	3.2	21.3	8	Influenza and pneumonia(J09-J18) ⁴	38	2.9	94.0
9	Influenza and pneumonia(J09-J18) ⁴	25	2.5	16.6	9	Septicemia(A40-A41)	33	2.5	81.7
10	Septicemia(A40-A41)	14	1.4	*	10	Accidents (unintentional injuries)(V01-X59,Y85-Y86)	30	2.3	74.2
...	All other causes(residual)	210	20.9	139.8	...	All other causes(residual)	285	21.6	705.2
American Indian or Alaska Native, female, 65 years and over					American Indian or Alaska Native, female, 85 years and over				
...	All causes	3,667	100.0	2,683.6	...	All causes	1,144	100.0	5,997.1
1	Diseases of heart . . . (I00-I09,I11,I13,I20-I51)	808	22.0	591.3	1	Diseases of heart . . . (I00-I09,I11,I13,I20-I51)	313	27.4	1,640.8
2	Malignant neoplasms(C00-C97)	753	20.5	551.1	2	Malignant neoplasms(C00-C97)	125	10.9	655.3
3	Diabetes mellitus(E10-E14)	268	7.3	196.1	3	Alzheimer's disease(G30)	85	7.4	445.6
4	Chronic lower respiratory diseases(J40-J47)	228	6.2	166.9	4	Cerebrovascular diseases(I60-I69)	78	6.8	408.9
5	Cerebrovascular diseases(I60-I69)	205	5.6	150.0	5	Influenza and pneumonia(J09-J18) ⁴	51	4.5	267.4
6	Alzheimer's disease(G30)	142	3.9	103.9	6	Diabetes mellitus(E10-E14)	49	4.3	256.9
7	Influenza and pneumonia(J09-J18) ⁴	121	3.3	88.5	7	Chronic lower respiratory diseases(J40-J47)	47	4.1	246.4
7	Nephritis, nephrotic syndrome and nephrosis . . . (N00-N07,N17-N19,N25-N27)	121	3.3	88.5	8	Nephritis, nephrotic syndrome and nephrosis . . . (N00-N07,N17-N19,N25-N27)	35	3.1	183.5
9	Accidents (unintentional injuries)(V01-X59,Y85-Y86)	89	2.4	65.1	9	Accidents (unintentional injuries)(V01-X59,Y85-Y86)	25	2.2	131.1
10	Septicemia(A40-A41)	79	2.2	57.8	10	Pneumonitis due to solids and liquids . . . (J69)	16	1.4	*
...	All other causes(residual)	853	23.3	624.2	...	All other causes(residual)	320	28.0	1,677.5
American Indian or Alaska Native, female, 65-74 years					Asian or Pacific Islander, both sexes, all ages ³				
...	All causes	1,205	100.0	1,561.8	...	All causes	47,903	100.0	318.7
1	Malignant neoplasms(C00-C97)	350	29.0	453.6	1	Malignant neoplasms(C00-C97)	12,895	26.9	85.8
2	Diseases of heart . . . (I00-I09,I11,I13,I20-I51)	205	17.0	265.7	2	Diseases of heart . . . (I00-I09,I11,I13,I20-I51)	11,136	23.2	74.1
3	Diabetes mellitus(E10-E14)	121	10.0	156.8	3	Cerebrovascular diseases(I60-I69)	3,677	7.7	24.5
4	Chronic lower respiratory diseases(J40-J47)	84	7.0	108.9	4	Accidents (unintentional injuries)(V01-X59,Y85-Y86)	2,058	4.3	13.7
5	Nephritis, nephrotic syndrome and nephrosis . . . (N00-N07,N17-N19,N25-N27)	45	3.7	58.3	5	Diabetes mellitus(E10-E14)	1,817	3.8	12.1
6	Cerebrovascular diseases(I60-I69)	43	3.6	55.7	6	Influenza and pneumonia(J09-J18) ⁴	1,508	3.1	10.0
7	Accidents (unintentional injuries)(V01-X59,Y85-Y86)	34	2.8	44.1	7	Chronic lower respiratory diseases(J40-J47)	1,484	3.1	9.9
8	Influenza and pneumonia(J09-J18) ⁴	32	2.7	41.5	8	Nephritis, nephrotic syndrome and nephrosis . . . (N00-N07,N17-N19,N25-N27)	928	1.9	6.2
9	Septicemia(A40-A41)	31	2.6	40.2	9	Alzheimer's disease(G30)	893	1.9	5.9
10	Chronic liver disease and cirrhosis(K70,K73-K74)	22	1.8	28.5	10	Intentional self-harm (suicide)(*U03,X60-X84,Y87.0)	876	1.8	5.8
...	All other causes(residual)	238	19.8	308.5	...	All other causes(residual)	10,631	22.2	70.7

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Rank ¹	Cause of death (based on ICD-10, 2004), race, sex, and age	Number ²	Percent of total deaths	Death rate ²	Rank ¹	Cause of death (based on ICD-10, 2004), race, sex, and age	Number ²	Percent of total deaths	Death rate ²
Asian or Pacific Islander, both sexes, 1-4 years					Asian or Pacific Islander, both sexes, 10-14 years				
...	All causes	163	100.0	18.6	...	All causes	107	100.0	11.2
1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	41	25.2	4.7	1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	24	22.4	2.5
2	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	15	9.2	*	2	Malignant neoplasms (C00-C97)	17	15.9	*
2	Assault (homicide) (*U01-U02,X85-Y09,Y87.1)	15	9.2	*	3	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	9	8.4	*
4	Diseases of heart (I00-I09,I11,I13,I20-I51)	9	5.5	*	4	Assault (homicide) (*U01-U02,X85-Y09,Y87.1)	8	7.5	*
5	Malignant neoplasms (C00-C97)	7	4.3	*	5	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	7	6.5	*
6	Influenza and pneumonia (J09-J18) ⁴	6	3.7	*	6	Diseases of heart (I00-I09,I11,I13,I20-I51)	6	5.6	*
7	Cerebrovascular diseases (I60-I69)	4	2.5	*	7	Cerebrovascular diseases (I60-I69)	4	3.7	*
8	Septicemia (A40-A41)	3	1.8	*	8	Anemias (D50-D64)	2	1.9	*
8	Chronic lower respiratory diseases (J40-J47)	3	1.8	*	9	In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior (D00-D48)	1	0.9	*
10	Anemias (D50-D64)	2	1.2	*	9	Meningitis (G00,G03)	1	0.9	*
10	Acute bronchitis and bronchiolitis (J20-J21)	2	1.2	*	9	Pneumonitis due to solids and liquids (J69)	1	0.9	*
10	Certain conditions originating in the perinatal period (P00-P96)	2	1.2	*	9	Certain conditions originating in the perinatal period (P00-P96)	1	0.9	*
...	All other causes (residual)	54	33.1	6.1	...	All other causes (residual)	26	24.3	2.7
Asian or Pacific Islander, both sexes, 5-9 years					Asian or Pacific Islander, both sexes, 15-19 years				
...	All causes	99	100.0	10.0	...	All causes	273	100.0	28.4
1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	23	23.2	2.3	1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	107	39.2	11.1
2	Malignant neoplasms (C00-C97)	22	22.2	2.2	2	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	44	16.1	4.6
3	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	8	8.1	*	3	Assault (homicide) (*U01-U02,X85-Y09,Y87.1)	29	10.6	3.0
4	Assault (homicide) (*U01-U02,X85-Y09,Y87.1)	7	7.1	*	4	Malignant neoplasms (C00-C97)	25	9.2	2.6
5	Septicemia (A40-A41)	4	4.0	*	5	Diseases of heart (I00-I09,I11,I13,I20-I51)	14	5.1	*
6	Anemias (D50-D64)	3	3.0	*	6	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	9	3.3	*
6	Diseases of heart (I00-I09,I11,I13,I20-I51)	3	3.0	*	7	Anemias (D50-D64)	2	0.7	*
8	In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior (D00-D48)	2	2.0	*	7	Cerebrovascular diseases (I60-I69)	2	0.7	*
8	Influenza and pneumonia (J09-J18) ⁴	2	2.0	*	7	Influenza and pneumonia (J09-J18) ⁴	2	0.7	*
10	Nutritional deficiencies (E40-E64)	1	1.0	*	7	Chronic lower respiratory diseases (J40-J47)	2	0.7	*
10	Cerebrovascular diseases (I60-I69)	1	1.0	*	...	All other causes (residual)	37	13.6	3.9
10	Chronic lower respiratory diseases (J40-J47)	1	1.0	*					
10	Pneumonitis due to solids and liquids (J69)	1	1.0	*					
10	Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	1	1.0	*					
10	Certain conditions originating in the perinatal period (P00-P96)	1	1.0	*					
10	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	1	1.0	*					
10	Operations of war and their sequelae (Y36,Y89.1)	1	1.0	*					
...	All other causes (residual)	17	17.2	*					

See footnotes at end of table.

Table 1. Deaths, percentage of total deaths, and death rates for the 10 leading causes of death in selected age groups, by race and sex: United States, 2008—Con.

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

Rank ¹	Cause of death (based on ICD-10, 2004), race, sex, and age	Number ²	Percent of total deaths	Death rate ²	Rank ¹	Cause of death (based on ICD-10, 2004), race, sex, and age	Number ²	Percent of total deaths	Death rate ²
Asian or Pacific Islander, both sexes, 20-24 years					Asian or Pacific Islander, both sexes, 45-54 years				
...	All causes	448	100.0	45.4	...	All causes	3,719	100.0	177.4
1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	155	34.6	15.7	1	Malignant neoplasms (C00-C97)	1,478	39.7	70.5
2	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	87	19.4	8.8	2	Diseases of heart (I00-I09,I11,I13,I20-I51)	661	17.8	31.5
3	Assault (homicide) (*U01-U02,X85-Y09,Y87.1)	53	11.8	5.4	3	Cerebrovascular diseases (I60-I69)	251	6.7	12.0
4	Malignant neoplasms (C00-C97)	50	11.2	5.1	4	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	249	6.7	11.9
5	Diseases of heart (I00-I09,I11,I13,I20-I51)	23	5.1	2.3	5	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	162	4.4	7.7
6	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	14	3.1	*	6	Diabetes mellitus (E10-E14)	100	2.7	4.8
7	Cerebrovascular diseases (I60-I69)	5	1.1	*	7	Chronic liver disease and cirrhosis (K70,K73-K74)	94	2.5	4.5
7	Influenza and pneumonia (J09-J18) ⁴	5	1.1	*	8	Viral hepatitis (B15-B19)	45	1.2	2.1
9	Pregnancy, childbirth and the puerperium (O00-O99)	4	0.9	*	9	Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	42	1.1	2.0
10	Diabetes mellitus (E10-E14)	2	0.4	*	10	Influenza and pneumonia (J09-J18) ⁴	38	1.0	1.8
...	All other causes (residual)	50	11.2	5.1	...	All other causes (residual)	599	16.1	28.6
Asian or Pacific Islander, both sexes, 25-34 years					Asian or Pacific Islander, both sexes, 55-64 years				
...	All causes	1,125	100.0	45.0	...	All causes	6,114	100.0	420.9
1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	279	24.8	11.1	1	Malignant neoplasms (C00-C97)	2,505	41.0	172.4
2	Malignant neoplasms (C00-C97)	205	18.2	8.2	2	Diseases of heart (I00-I09,I11,I13,I20-I51)	1,304	21.3	89.8
3	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	189	16.8	7.6	3	Cerebrovascular diseases (I60-I69)	418	6.8	28.8
4	Diseases of heart (I00-I09,I11,I13,I20-I51)	90	8.0	3.6	4	Diabetes mellitus (E10-E14)	282	4.6	19.4
5	Assault (homicide) (*U01-U02,X85-Y09,Y87.1)	66	5.9	2.6	5	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	210	3.4	14.5
6	Cerebrovascular diseases (I60-I69)	29	2.6	1.2	6	Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	105	1.7	7.2
7	Pregnancy, childbirth and the puerperium (O00-O99)	21	1.9	0.8	7	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	97	1.6	6.7
8	Human immunodeficiency virus (HIV) disease (B20-B24)	19	1.7	*	8	Chronic lower respiratory diseases (J40-J47)	93	1.5	6.4
9	Diabetes mellitus (E10-E14)	14	1.2	*	8	Chronic liver disease and cirrhosis (K70,K73-K74)	93	1.5	6.4
10	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	12	1.1	*	10	Influenza and pneumonia (J09-J18) ⁴	88	1.4	6.1
...	All other causes (residual)	201	17.9	8.0	...	All other causes (residual)	919	15.0	63.3
Asian or Pacific Islander, both sexes, 35-44 years					Asian or Pacific Islander, both sexes, 65 years and over				
...	All causes	1,767	100.0	67.8	...	All causes	33,136	100.0	2,406.0
1	Malignant neoplasms (C00-C97)	517	29.3	19.9	1	Diseases of heart (I00-I09,I11,I13,I20-I51)	8,758	26.4	635.9
2	Diseases of heart (I00-I09,I11,I13,I20-I51)	254	14.4	9.8	2	Malignant neoplasms (C00-C97)	8,066	24.3	585.7
3	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	206	11.7	7.9	3	Cerebrovascular diseases (I60-I69)	2,861	8.6	207.7
4	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	157	8.9	6.0	4	Diabetes mellitus (E10-E14)	1,387	4.2	100.7
5	Cerebrovascular diseases (I60-I69)	95	5.4	3.6	5	Influenza and pneumonia (J09-J18) ⁴	1,328	4.0	96.4
6	Assault (homicide) (*U01-U02,X85-Y09,Y87.1)	60	3.4	2.3	6	Chronic lower respiratory diseases (J40-J47)	1,326	4.0	96.3
7	Chronic liver disease and cirrhosis (K70,K73-K74)	39	2.2	1.5	7	Alzheimer's disease (G30)	883	2.7	64.1
8	Diabetes mellitus (E10-E14)	32	1.8	1.2	8	Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	751	2.3	54.5
9	Human immunodeficiency virus (HIV) disease (B20-B24)	29	1.6	1.1	9	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	735	2.2	53.4
10	Influenza and pneumonia (J09-J18) ⁴	27	1.5	1.0	10	Essential hypertension and hypertensive renal disease (I10,I12,I15)	623	1.9	45.2
...	All other causes (residual)	351	19.9	13.5	...	All other causes (residual)	6,418	19.4	466.0

See footnotes at end of table.

Table 1. Deaths, percentage of total deaths, and death rates for the 10 leading causes of death in selected age groups, by race and sex: United States, 2008—Con.

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

Rank ¹	Cause of death (based on ICD-10, 2004), race, sex, and age	Number ²	Percent of total deaths	Death rate ²	Rank ¹	Cause of death (based on ICD-10, 2004), race, sex, and age	Number ²	Percent of total deaths	Death rate ²
Asian or Pacific Islander, both sexes, 65–74 years					Asian or Pacific Islander, male, all ages ³				
...	All causes	8,446	100.0	1,069.7	...	All causes	24,708	100.0	337.7
1	Malignant neoplasms (C00–C97)	3,130	37.1	396.4	1	Malignant neoplasms (C00–C97)	6,664	27.0	91.1
2	Diseases of heart (I00–I09,I11,I13,I20–I51)	1,846	21.9	233.8	2	Diseases of heart (I00–I09,I11,I13,I20–I51)	5,970	24.2	81.6
3	Cerebrovascular diseases (I60–I69)	661	7.8	83.7	3	Cerebrovascular diseases (I60–I69)	1,612	6.5	22.0
4	Diabetes mellitus (E10–E14)	417	4.9	52.8	4	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	1,296	5.2	17.7
5	Chronic lower respiratory diseases (J40–J47)	227	2.7	28.8	5	Diabetes mellitus (E10–E14)	903	3.7	12.3
6	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	220	2.6	27.9	6	Chronic lower respiratory diseases (J40–J47)	883	3.6	12.1
7	Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27)	183	2.2	23.2	7	Influenza and pneumonia (J09–J18) ⁴	765	3.1	10.5
8	Influenza and pneumonia (J09–J18) ⁴	177	2.1	22.4	8	Intentional self-harm (suicide) (*U03,X60–X84,Y87.0)	582	2.4	8.0
9	Septicemia (A40–A41)	101	1.2	12.8	9	Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27)	467	1.9	6.4
9	Essential hypertension and hypertensive renal disease (I10,I12,I15)	101	1.2	12.8	10	Essential hypertension and hypertensive renal disease (I10,I12,I15)	314	1.3	4.3
...	All other causes (residual)	1,383	16.4	175.2	...	All other causes (residual)	5,252	21.3	71.8
Asian or Pacific Islander, both sexes, 75–84 years					Asian or Pacific Islander, male, 1–4 years				
...	All causes	12,417	100.0	2,866.1	...	All causes	77	100.0	17.1
1	Malignant neoplasms (C00–C97)	3,285	26.5	758.3	1	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	23	29.9	5.1
2	Diseases of heart (I00–I09,I11,I13,I20–I51)	3,160	25.4	729.4	2	Assault (homicide) (*U01–*U02,X85–Y09,Y87.1)	7	9.1	*
3	Cerebrovascular diseases (I60–I69)	1,066	8.6	246.1	3	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	6	7.8	*
4	Chronic lower respiratory diseases (J40–J47)	579	4.7	133.6	4	Malignant neoplasms (C00–C97)	4	5.2	*
5	Diabetes mellitus (E10–E14)	529	4.3	122.1	5	Diseases of heart (I00–I09,I11,I13,I20–I51)	3	3.9	*
6	Influenza and pneumonia (J09–J18) ⁴	485	3.9	111.9	6	Influenza and pneumonia (J09–J18) ⁴	2	2.6	*
7	Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27)	297	2.4	68.6	6	Acute bronchitis and bronchiolitis (J20–J21)	2	2.6	*
8	Alzheimer's disease (G30)	265	2.1	61.2	6	Chronic lower respiratory diseases (J40–J47)	2	2.6	*
9	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	242	1.9	55.9	9	In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior (D00–D48)	1	1.3	*
10	Essential hypertension and hypertensive renal disease (I10,I12,I15)	203	1.6	46.9	9	Anemias (D50–D64)	1	1.3	*
...	All other causes (residual)	2,306	18.6	532.3	9	Cerebrovascular diseases (I60–I69)	1	1.3	*
Asian or Pacific Islander, both sexes, 85 years and over					...	All other causes (residual)	25	32.5	5.5
...	All causes	12,273	100.0	7,946.9	...	All other causes (residual)	25	32.5	5.5
1	Diseases of heart (I00–I09,I11,I13,I20–I51)	3,752	30.6	2,429.5	...	All other causes (residual)	25	32.5	5.5
2	Malignant neoplasms (C00–C97)	1,651	13.5	1,069.0	...	All other causes (residual)	25	32.5	5.5
3	Cerebrovascular diseases (I60–I69)	1,134	9.2	734.3	...	All other causes (residual)	25	32.5	5.5
4	Influenza and pneumonia (J09–J18) ⁴	666	5.4	431.2	...	All other causes (residual)	25	32.5	5.5
5	Alzheimer's disease (G30)	570	4.6	369.1	...	All other causes (residual)	25	32.5	5.5
6	Chronic lower respiratory diseases (J40–J47)	520	4.2	336.7	...	All other causes (residual)	25	32.5	5.5
7	Diabetes mellitus (E10–E14)	441	3.6	285.6	...	All other causes (residual)	25	32.5	5.5
8	Essential hypertension and hypertensive renal disease (I10,I12,I15)	319	2.6	206.6	...	All other causes (residual)	25	32.5	5.5
9	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	273	2.2	176.8	...	All other causes (residual)	25	32.5	5.5
10	Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27)	271	2.2	175.5	...	All other causes (residual)	25	32.5	5.5
...	All other causes (residual)	2,676	21.8	1,732.7	...	All other causes (residual)	25	32.5	5.5

See footnotes at end of table.

Table 1. Deaths, percentage of total deaths, and death rates for the 10 leading causes of death in selected age groups, by race and sex: United States, 2008—Con.

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Rank ¹	Cause of death (based on ICD-10, 2004), race, sex, and age	Number ²	Percent of total deaths	Death rate ²	Rank ¹	Cause of death (based on ICD-10, 2004), race, sex, and age	Number ²	Percent of total deaths	Death rate ²
Asian or Pacific Islander, male, 5-9 years					Asian or Pacific Islander, male, 15-19 years				
...	All causes	49	100.0	9.7	...	All causes	193	100.0	39.0
1	Malignant neoplasms (C00-C97)	13	26.5	*	1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	80	41.5	16.2
2	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	9	18.4	*	2	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	27	14.0	5.5
3	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	5	10.2	*	2	Assault (homicide) (*U01-*U02,X85-Y09,Y87.1)	27	14.0	5.5
4	Assault (homicide) (*U01-*U02,X85-Y09,Y87.1)	3	6.1	*	4	Malignant neoplasms (C00-C97)	19	9.8	*
5	Septicemia (A40-A41)	2	4.1	*	5	Diseases of heart (I00-I09,I11,I13,I20-I51)	8	4.1	*
6	In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior (D00-D48)	1	2.0	*	6	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	6	3.1	*
6	Anemias (D50-D64)	1	2.0	*	7	Anemias (D50-D64)	1	0.5	*
6	Diseases of heart (I00-I09,I11,I13,I20-I51)	1	2.0	*	7	Influenza and pneumonia (J09-J18) [†]	1	0.5	*
6	Cerebrovascular diseases (I60-I69)	1	2.0	*	7	Chronic lower respiratory diseases (J40-J47)	1	0.5	*
6	Influenza and pneumonia (J09-J18) [†]	1	2.0	*	...	All other causes (residual)	23	11.9	4.7
6	Chronic lower respiratory diseases (J40-J47)	1	2.0	*	Asian or Pacific Islander, male, 20-24 years				
6	Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	1	2.0	*	...	All causes	306	100.0	60.7
6	Operations of war and their sequelae (Y36,Y89.1)	1	2.0	*	1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	112	36.6	22.2
...	All other causes (residual)	9	18.4	*	2	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	59	19.3	11.7
Asian or Pacific Islander, male, 10-14 years					3	Assault (homicide) (*U01-*U02,X85-Y09,Y87.1)	44	14.4	8.7
...	All causes	74	100.0	15.3	4	Malignant neoplasms (C00-C97)	34	11.1	6.7
1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	16	21.6	*	5	Diseases of heart (I00-I09,I11,I13,I20-I51)	15	4.9	*
2	Malignant neoplasms (C00-C97)	12	16.2	*	6	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	9	2.9	*
3	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	6	8.1	*	7	Cerebrovascular diseases (I60-I69)	4	1.3	*
3	Assault (homicide) (*U01-*U02,X85-Y09,Y87.1)	6	8.1	*	7	Influenza and pneumonia (J09-J18) [†]	4	1.3	*
5	Diseases of heart (I00-I09,I11,I13,I20-I51)	5	6.8	*	9	Diabetes mellitus (E10-E14)	2	0.7	*
5	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	5	6.8	*	10	Essential hypertension and hypertensive renal disease (I10,I12,I15)	1	0.3	*
7	Anemias (D50-D64)	2	2.7	*	10	Pneumonitis due to solids and liquids (J69)	1	0.3	*
7	Cerebrovascular diseases (I60-I69)	2	2.7	*	10	Diseases of appendix (K35-K38)	1	0.3	*
9	In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior (D00-D48)	1	1.4	*	...	All other causes (residual)	20	6.5	4.0
9	Pneumonitis due to solids and liquids (J69)	1	1.4	*	Asian or Pacific Islander, male, 25-34 years				
...	All other causes (residual)	18	24.3	*	...	All causes	680	100.0	55.1
See footnotes at end of table.					1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	204	30.0	16.5
					2	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	111	16.3	9.0
					3	Malignant neoplasms (C00-C97)	91	13.4	7.4
					4	Diseases of heart (I00-I09,I11,I13,I20-I51)	62	9.1	5.0
					5	Assault (homicide) (*U01-*U02,X85-Y09,Y87.1)	46	6.8	3.7
					6	Human immunodeficiency virus (HIV) disease (B20-B24)	15	2.2	*
					6	Cerebrovascular diseases (I60-I69)	15	2.2	*
					8	Diabetes mellitus (E10-E14)	10	1.5	*
					9	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	8	1.2	*
					10	Chronic liver disease and cirrhosis (K70,K73-K74)	7	1.0	*
					...	All other causes (residual)	111	16.3	9.0

Table 1. Deaths, percentage of total deaths, and death rates for the 10 leading causes of death in selected age groups, by race and sex: United States, 2008—Con.

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

Rank ¹	Cause of death (based on ICD-10, 2004), race, sex, and age	Number ²	Percent of total deaths	Death rate ²	Rank ¹	Cause of death (based on ICD-10, 2004), race, sex, and age	Number ²	Percent of total deaths	Death rate ²
Asian or Pacific Islander, male, 35-44 years					Asian or Pacific Islander, male, 65 years and over				
...	All causes	1,107	100.0	87.2	...	All causes	15,915	100.0	2,683.7
1	Malignant neoplasms (C00-C97)	235	21.2	18.5	1	Malignant neoplasms (C00-C97)	4,248	26.7	716.3
2	Diseases of heart (I00-I09,I11,I13,I20-I51)	201	18.2	15.8	1	Diseases of heart (I00-I09,I11,I13,I20-I51)	4,248	26.7	716.3
3	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	161	14.5	12.7	3	Cerebrovascular diseases (I60-I69)	1,182	7.4	199.3
4	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	107	9.7	8.4	4	Chronic lower respiratory diseases (J40-J47)	782	4.9	131.9
5	Cerebrovascular diseases (I60-I69)	56	5.1	4.4	5	Influenza and pneumonia (J09-J18) ^d	654	4.1	110.3
6	Assault (homicide) (*U01-U02,X85-Y09,Y87.1)	43	3.9	3.4	6	Diabetes mellitus (E10-E14)	626	3.9	105.6
7	Chronic liver disease and cirrhosis (K70,K73-K74)	33	3.0	2.6	7	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	375	2.4	63.2
8	Diabetes mellitus (E10-E14)	26	2.3	2.0	8	Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	359	2.3	60.5
9	Human immunodeficiency virus (HIV) disease (B20-B24)	25	2.3	2.0	9	Alzheimer's disease (G30)	286	1.8	48.2
10	Influenza and pneumonia (J09-J18) ^d	18	1.6	*	10	Essential hypertension and hypertensive renal disease (I10,I12,I15)	262	1.6	44.2
...	All other causes (residual)	202	18.2	15.9	...	All other causes (residual)	2,893	18.2	487.8
Asian or Pacific Islander, male, 45-54 years					Asian or Pacific Islander, male, 65-74 years				
...	All causes	2,219	100.0	222.9	...	All causes	4,721	100.0	1,312.6
1	Malignant neoplasms (C00-C97)	703	31.7	70.6	1	Malignant neoplasms (C00-C97)	1,721	36.5	478.5
2	Diseases of heart (I00-I09,I11,I13,I20-I51)	514	23.2	51.6	2	Diseases of heart (I00-I09,I11,I13,I20-I51)	1,142	24.2	317.5
3	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	172	7.8	17.3	3	Cerebrovascular diseases (I60-I69)	327	6.9	90.9
4	Cerebrovascular diseases (I60-I69)	133	6.0	13.4	4	Diabetes mellitus (E10-E14)	220	4.7	61.2
5	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	111	5.0	11.1	5	Chronic lower respiratory diseases (J40-J47)	140	3.0	38.9
6	Chronic liver disease and cirrhosis (K70,K73-K74)	74	3.3	7.4	6	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	119	2.5	33.1
7	Diabetes mellitus (E10-E14)	70	3.2	7.0	7	Influenza and pneumonia (J09-J18) ^d	102	2.2	28.4
8	Viral hepatitis (B15-B19)	31	1.4	3.1	8	Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	95	2.0	26.4
9	Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	30	1.4	3.0	9	Essential hypertension and hypertensive renal disease (I10,I12,I15)	58	1.2	16.1
10	Chronic lower respiratory diseases (J40-J47)	28	1.3	2.8	10	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	53	1.1	14.7
...	All other causes (residual)	353	15.9	35.5	...	All other causes (residual)	744	15.8	206.8
Asian or Pacific Islander, male, 55-64 years					Asian or Pacific Islander, male, 75-84 years				
...	All causes	3,550	100.0	529.2	...	All causes	6,131	100.0	3,497.1
1	Malignant neoplasms (C00-C97)	1,302	36.7	194.1	1	Malignant neoplasms (C00-C97)	1,712	27.9	976.5
2	Diseases of heart (I00-I09,I11,I13,I20-I51)	903	25.4	134.6	2	Diseases of heart (I00-I09,I11,I13,I20-I51)	1,576	25.7	898.9
3	Cerebrovascular diseases (I60-I69)	215	6.1	32.1	3	Cerebrovascular diseases (I60-I69)	452	7.4	257.8
4	Diabetes mellitus (E10-E14)	169	4.8	25.2	4	Chronic lower respiratory diseases (J40-J47)	356	5.8	203.1
5	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	130	3.7	19.4	5	Influenza and pneumonia (J09-J18) ^d	255	4.2	145.5
6	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	75	2.1	11.2	6	Diabetes mellitus (E10-E14)	235	3.8	134.0
7	Chronic liver disease and cirrhosis (K70,K73-K74)	66	1.9	9.8	7	Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	145	2.4	82.7
8	Influenza and pneumonia (J09-J18) ^d	58	1.6	8.6	8	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	125	2.0	71.3
9	Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	56	1.6	8.3	9	Essential hypertension and hypertensive renal disease (I10,I12,I15)	100	1.6	57.0
10	Chronic lower respiratory diseases (J40-J47)	55	1.5	8.2	10	Alzheimer's disease (G30)	95	1.5	54.2
...	All other causes (residual)	521	14.7	77.7	...	All other causes (residual)	1,080	17.6	616.0

See footnotes at end of table.

Table 1. Deaths, percentage of total deaths, and death rates for the 10 leading causes of death in selected age groups, by race and sex: United States, 2008—Con.

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

Rank ¹	Cause of death (based on ICD-10, 2004), race, sex, and age	Number ²	Percent of total deaths	Death rate ²	Rank ¹	Cause of death (based on ICD-10, 2004), race, sex, and age	Number ²	Percent of total deaths	Death rate ²
Asian or Pacific Islander, male, 85 years and over					Asian or Pacific Islander, female, 5-9 years				
...	All causes	5,063	100.0	8,724.9	...	All causes	50	100.0	10.2
1	Diseases of heart . . . (I00-I09,I11,I13,I20-I51)	1,530	30.2	2,636.6	1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	14	28.0	*
2	Malignant neoplasms (C00-C97)	815	16.1	1,404.5	2	Malignant neoplasms (C00-C97)	9	18.0	*
3	Cerebrovascular diseases (I60-I69)	403	8.0	694.5	3	Assault (homicide) (*U01-U02,X85-Y09,Y87.1)	4	8.0	*
4	Influenza and pneumonia (J09-J18) [†]	297	5.9	511.8	4	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	3	6.0	*
5	Chronic lower respiratory diseases (J40-J47)	286	5.6	492.9	5	Septicemia (A40-A41)	2	4.0	*
6	Diabetes mellitus (E10-E14)	171	3.4	294.7	5	Anemias (D50-D64)	2	4.0	*
7	Alzheimer's disease (G30)	167	3.3	287.8	5	Diseases of heart . . . (I00-I09,I11,I13,I20-I51)	2	4.0	*
8	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	131	2.6	225.7	8	In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior (D00-D48)	1	2.0	*
9	Nephritis, nephrotic syndrome and nephrosis . . . (N00-N07,N17-N19,N25-N27)	119	2.4	205.1	8	Nutritional deficiencies (E40-E64)	1	2.0	*
10	Essential hypertension and hypertensive renal disease (I10,I12,I15)	104	2.1	179.2	8	Influenza and pneumonia (J09-J18) [†]	1	2.0	*
...	All other causes (residual)	1,040	20.5	1,792.2	8	Pneumonitis due to solids and liquids . . . (J69)	1	2.0	*
Asian or Pacific Islander, female, all ages ³					8	Certain conditions originating in the perinatal period (P00-P96)	1	2.0	*
...	All causes	23,195	100.0	300.7	8	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	1	2.0	*
1	Malignant neoplasms (C00-C97)	6,231	26.9	80.8	...	All other causes (residual)	8	16.0	*
2	Diseases of heart . . . (I00-I09,I11,I13,I20-I51)	5,166	22.3	67.0	Asian or Pacific Islander, female, 10-14 years				
3	Cerebrovascular diseases (I60-I69)	2,065	8.9	26.8	...	All causes	33	100.0	7.0
4	Diabetes mellitus (E10-E14)	914	3.9	11.8	1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	8	24.2	*
5	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	762	3.3	9.9	2	Malignant neoplasms (C00-C97)	5	15.2	*
6	Influenza and pneumonia (J09-J18) [†]	743	3.2	9.6	3	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	3	9.1	*
7	Alzheimer's disease (G30)	603	2.6	7.8	4	Cerebrovascular diseases (I60-I69)	2	6.1	*
8	Chronic lower respiratory diseases (J40-J47)	601	2.6	7.8	4	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	2	6.1	*
9	Nephritis, nephrotic syndrome and nephrosis . . . (N00-N07,N17-N19,N25-N27)	461	2.0	6.0	4	Assault (homicide) (*U01-U02,X85-Y09,Y87.1)	2	6.1	*
10	Essential hypertension and hypertensive renal disease (I10,I12,I15)	393	1.7	5.1	7	Meningitis (G00,G03)	1	3.0	*
...	All other causes (residual)	5,256	22.7	68.1	7	Diseases of heart . . . (I00-I09,I11,I13,I20-I51)	1	3.0	*
Asian or Pacific Islander, female, 1-4 years					7	Certain conditions originating in the perinatal period (P00-P96)	1	3.0	*
...	All causes	86	100.0	20.1	...	All other causes (residual)	8	24.2	*
1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	18	20.9	*	Asian or Pacific Islander, female, 15-19 years				
2	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	9	10.5	*	...	All causes	80	100.0	17.2
3	Assault (homicide) (*U01-U02,X85-Y09,Y87.1)	8	9.3	*	1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	27	33.8	5.8
4	Diseases of heart . . . (I00-I09,I11,I13,I20-I51)	6	7.0	*	2	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	17	21.3	*
5	Influenza and pneumonia (J09-J18) [†]	4	4.7	*	3	Malignant neoplasms (C00-C97)	6	7.5	*
6	Septicemia (A40-A41)	3	3.5	*	3	Diseases of heart . . . (I00-I09,I11,I13,I20-I51)	6	7.5	*
6	Malignant neoplasms (C00-C97)	3	3.5	*	5	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	3	3.8	*
6	Cerebrovascular diseases (I60-I69)	3	3.5	*	6	Cerebrovascular diseases (I60-I69)	2	2.5	*
9	Certain conditions originating in the perinatal period (P00-P96)	2	2.3	*	6	Assault (homicide) (*U01-U02,X85-Y09,Y87.1)	2	2.5	*
10	Anemias (D50-D64)	1	1.2	*	8	Anemias (D50-D64)	1	1.3	*
10	Chronic lower respiratory diseases (J40-J47)	1	1.2	*	8	Influenza and pneumonia (J09-J18) [†]	1	1.3	*
...	All other causes (residual)	28	32.6	6.6	8	Chronic lower respiratory diseases . . . (J40-J47)	1	1.3	*
Asian or Pacific Islander, female, 15-19 years					8	Pregnancy, childbirth and the puerperium (O00-O99)	1	1.3	*
...	All causes	80	100.0	17.2	...	All other causes (residual)	13	16.3	*
1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	27	33.8	5.8					

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

Rank ¹	Cause of death (based on ICD-10, 2004), race, sex, and age	Number ²	Percent of total deaths	Death rate ²	Rank ¹	Cause of death (based on ICD-10, 2004), race, sex, and age	Number ²	Percent of total deaths	Death rate ²
Asian or Pacific Islander, female, 20–24 years					Asian or Pacific Islander, female, 35–44 years				
...	All causes	142	100.0	29.5	...	All causes	660	100.0	49.4
1	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	43	30.3	8.9	1	Malignant neoplasms (C00–C97)	282	42.7	21.1
2	Intentional self-harm (suicide) (*U03,X60–X84,Y87.0)	28	19.7	5.8	2	Diseases of heart (I00–I09,I11,I13,I20–I51)	53	8.0	4.0
3	Malignant neoplasms (C00–C97)	16	11.3	*	3	Intentional self-harm (suicide) (*U03,X60–X84,Y87.0)	50	7.6	3.7
4	Assault (homicide) (*U01–*U02,X85–Y09,Y87.1)	9	6.3	*	4	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	45	6.8	3.4
5	Diseases of heart (I00–I09,I11,I13,I20–I51)	8	5.6	*	5	Cerebrovascular diseases (I60–I69)	39	5.9	2.9
6	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	5	3.5	*	6	Assault (homicide) (*U01–*U02,X85–Y09,Y87.1)	17	2.6	*
7	Pregnancy, childbirth and the puerperium (O00–O99)	4	2.8	*	7	Influenza and pneumonia (J09–J18) ^d	9	1.4	*
8	Salmonella infections (A01–A02)	1	0.7	*	8	Septicemia (A40–A41)	8	1.2	*
8	Meningococcal infection (A39)	1	0.7	*	8	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	8	1.2	*
8	Human immunodeficiency virus (HIV) disease (B20–B24)	1	0.7	*	10	Diabetes mellitus (E10–E14)	6	0.9	*
8	Anemias (D50–D64)	1	0.7	*	10	Chronic liver disease and cirrhosis (K70,K73–K74)	6	0.9	*
8	Cerebrovascular diseases (I60–I69)	1	0.7	*	10	Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27)	6	0.9	*
8	Influenza and pneumonia (J09–J18) ^d	1	0.7	*	10	Pregnancy, childbirth and the puerperium (O00–O99)	6	0.9	*
...	All other causes (residual)	23	16.2	4.8	...	All other causes (residual)	125	18.9	9.4
Asian or Pacific Islander, female, 25–34 years					Asian or Pacific Islander, female, 45–54 years				
...	All causes	445	100.0	35.1	...	All causes	1,500	100.0	136.2
1	Malignant neoplasms (C00–C97)	114	25.6	9.0	1	Malignant neoplasms (C00–C97)	775	51.7	70.4
2	Intentional self-harm (suicide) (*U03,X60–X84,Y87.0)	78	17.5	6.2	2	Diseases of heart (I00–I09,I11,I13,I20–I51)	147	9.8	13.4
3	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	75	16.9	5.9	3	Cerebrovascular diseases (I60–I69)	118	7.9	10.7
4	Diseases of heart (I00–I09,I11,I13,I20–I51)	28	6.3	2.2	4	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	77	5.1	7.0
5	Pregnancy, childbirth and the puerperium (O00–O99)	21	4.7	1.7	5	Intentional self-harm (suicide) (*U03,X60–X84,Y87.0)	51	3.4	4.6
6	Assault (homicide) (*U01–*U02,X85–Y09,Y87.1)	20	4.5	1.6	6	Diabetes mellitus (E10–E14)	30	2.0	2.7
7	Cerebrovascular diseases (I60–I69)	14	3.1	*	7	Chronic liver disease and cirrhosis (K70,K73–K74)	20	1.3	1.8
8	In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior (D00–D48)	5	1.1	*	8	Influenza and pneumonia (J09–J18) ^d	19	1.3	*
9	Human immunodeficiency virus (HIV) disease (B20–B24)	4	0.9	*	9	In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior (D00–D48)	17	1.1	*
9	Diabetes mellitus (E10–E14)	4	0.9	*	10	Viral hepatitis (B15–B19)	14	0.9	*
9	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	4	0.9	*	...	All other causes (residual)	232	15.5	21.1
...	All other causes (residual)	78	17.5	6.2	Asian or Pacific Islander, female, 55–64 years				
See footnotes at end of table.					...	All causes	2,564	100.0	327.9
					1	Malignant neoplasms (C00–C97)	1,203	46.9	153.9
					2	Diseases of heart (I00–I09,I11,I13,I20–I51)	401	15.6	51.3
					3	Cerebrovascular diseases (I60–I69)	203	7.9	26.0
					4	Diabetes mellitus (E10–E14)	113	4.4	14.5
					5	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	80	3.1	10.2
					6	Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27)	49	1.9	6.3
					7	Chronic lower respiratory diseases (J40–J47)	38	1.5	4.9
					8	Septicemia (A40–A41)	31	1.2	4.0
					9	Influenza and pneumonia (J09–J18) ^d	30	1.2	3.8
					10	Viral hepatitis (B15–B19)	27	1.1	3.5
					10	Chronic liver disease and cirrhosis (K70,K73–K74)	27	1.1	3.5
					...	All other causes (residual)	362	14.1	46.3

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Rank ¹	Cause of death (based on ICD-10, 2004), race, sex, and age	Number ²	Percent of total deaths	Death rate ²	Rank ¹	Cause of death (based on ICD-10, 2004), race, sex, and age	Number ²	Percent of total deaths	Death rate ²
Asian or Pacific Islander, female, 65 years and over					Asian or Pacific Islander, female, 75–84 years				
...	All causes	17,221	100.0	2,196.0	...	All causes	6,286	100.0	2,437.2
1	Diseases of heart . . . (I00–I09,I11,I13,I20–I51)	4,510	26.2	575.1	1	Diseases of heart . . . (I00–I09,I11,I13,I20–I51)	1,584	25.2	614.2
2	Malignant neoplasms(C00–C97)	3,818	22.2	486.9	2	Malignant neoplasms(C00–C97)	1,573	25.0	609.9
3	Cerebrovascular diseases(I60–I69)	1,679	9.7	214.1	3	Cerebrovascular diseases(I60–I69)	614	9.8	238.1
4	Diabetes mellitus(E10–E14)	761	4.4	97.0	4	Diabetes mellitus(E10–E14)	294	4.7	114.0
5	Influenza and pneumonia(J09–J18) ⁴	674	3.9	85.9	5	Influenza and pneumonia(J09–J18) ⁴	230	3.7	89.2
6	Alzheimer's disease(G30)	597	3.5	76.1	6	Chronic lower respiratory diseases(J40–J47)	223	3.5	86.5
7	Chronic lower respiratory diseases(J40–J47)	544	3.2	69.4	7	Alzheimer's disease(G30)	170	2.7	65.9
8	Nephritis, nephrotic syndrome and nephrosis . . . (N00–N07,N17–N19,N25–N27)	392	2.3	50.0	8	Nephritis, nephrotic syndrome and nephrosis . . . (N00–N07,N17–N19,N25–N27)	152	2.4	58.9
9	Essential hypertension and hypertensive renal disease(I10,I12,I15)	361	2.1	46.0	9	Accidents (unintentional injuries)(V01–X59,Y85–Y86)	117	1.9	45.4
10	Accidents (unintentional injuries)(V01–X59,Y85–Y86)	360	2.1	45.9	10	Essential hypertension and hypertensive renal disease(I10,I12,I15)	103	1.6	39.9
...	All other causes(residual)	3,525	20.5	449.5	...	All other causes(residual)	1,226	19.5	475.3
Asian or Pacific Islander, female, 65–74 years					Asian or Pacific Islander, female, 85 years and over				
...	All causes	3,725	100.0	866.5	...	All causes	7,210	100.0	7,478.6
1	Malignant neoplasms(C00–C97)	1,409	37.8	327.8	1	Diseases of heart . . . (I00–I09,I11,I13,I20–I51)	2,222	30.8	2,304.8
2	Diseases of heart . . . (I00–I09,I11,I13,I20–I51)	704	18.9	163.8	2	Malignant neoplasms(C00–C97)	836	11.6	867.1
3	Cerebrovascular diseases(I60–I69)	334	9.0	77.7	3	Cerebrovascular diseases(I60–I69)	731	10.1	758.2
4	Diabetes mellitus(E10–E14)	197	5.3	45.8	4	Alzheimer's disease(G30)	403	5.6	418.0
5	Accidents (unintentional injuries)(V01–X59,Y85–Y86)	101	2.7	23.5	5	Influenza and pneumonia(J09–J18) ⁴	369	5.1	382.7
6	Nephritis, nephrotic syndrome and nephrosis . . . (N00–N07,N17–N19,N25–N27)	88	2.4	20.5	6	Diabetes mellitus(E10–E14)	270	3.7	280.1
7	Chronic lower respiratory diseases(J40–J47)	87	2.3	20.2	7	Chronic lower respiratory diseases(J40–J47)	234	3.2	242.7
8	Influenza and pneumonia(J09–J18) ⁴	75	2.0	17.4	8	Essential hypertension and hypertensive renal disease(I10,I12,I15)	215	3.0	223.0
9	Septicemia(A40–A41)	52	1.4	12.1	9	Nephritis, nephrotic syndrome and nephrosis . . . (N00–N07,N17–N19,N25–N27)	152	2.1	157.7
10	Essential hypertension and hypertensive renal disease(I10,I12,I15)	43	1.2	10.0	10	Accidents (unintentional injuries)(V01–X59,Y85–Y86)	142	2.0	147.3
...	All other causes(residual)	635	17.0	147.7	...	All other causes(residual)	1,636	22.7	1,696.9

... Category not applicable.

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

¹Based on number of deaths; see "Technical Notes."

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

³Includes deaths for "Under 1 year."

⁴New ICD-10 code J09 (Influenza due to identified avian influenza virus) was added to the category in 2007.

Table 2. Deaths, percentage of total deaths, and death rates for the 10 leading causes of death in selected age groups, by Hispanic origin, race for non-Hispanic population, and sex: United States, 2008

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

Rank ¹	Cause of death (based on ICD-10, 2004), Hispanic origin, race, sex, and age	Number ²	Percent of total deaths	Death rate ²	Rank ¹	Cause of death (based on ICD-10, 2004), Hispanic origin, race, sex, and age	Number ²	Percent of total deaths	Death rate ²
Hispanic, both sexes, all ages ³					Hispanic, both sexes, 10-14 years				
...	All causes	139,241	100.0	296.6	...	All causes	540	100.0	13.5
1	Diseases of heart . . . (I00-I09,I11,I13,I20-I51)	28,951	20.8	61.7	1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	171	31.7	4.3
2	Malignant neoplasms (C00-C97)	28,851	20.7	61.5	2	Malignant neoplasms (C00-C97)	92	17.0	2.3
3	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	11,080	8.0	23.6	3	Assault (homicide) (*U01-*U02,X85-Y09,Y87.1)	39	7.2	1.0
4	Cerebrovascular diseases (I60-I69)	7,121	5.1	15.2	4	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	28	5.2	0.7
5	Diabetes mellitus (E10-E14)	6,544	4.7	13.9	5	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	21	3.9	0.5
6	Chronic liver disease and cirrhosis (K70,K73-K74)	4,091	2.9	8.7	6	Cerebrovascular diseases (I60-I69)	18	3.3	*
7	Chronic lower respiratory diseases (J40-J47)	3,949	2.8	8.4	7	Diseases of heart . . . (I00-I09,I11,I13,I20-I51)	13	2.4	*
8	Assault (homicide) (*U01-*U02,X85-Y09,Y87.1)	3,331	2.4	7.1	8	Chronic lower respiratory diseases (J40-J47)	9	1.7	*
9	Influenza and pneumonia (J09-J18) ⁴	3,176	2.3	6.8	9	Septicemia (A40-A41)	8	1.5	*
10	Alzheimer's disease (G30)	3,005	2.2	6.4	10	Diabetes mellitus (E10-E14)	6	1.1	*
...	All other causes (residual)	39,142	28.1	83.4	10	Influenza and pneumonia (J09-J18) ⁴	6	1.1	*
Hispanic, both sexes, 1-4 years					Hispanic, both sexes, 15-19 years				
...	All causes	1,029	100.0	24.6	...	All causes	2,035	100.0	52.9
1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	329	32.0	7.9	1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	801	39.4	20.8
2	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	130	12.6	3.1	2	Assault (homicide) (*U01-*U02,X85-Y09,Y87.1)	504	24.8	13.1
3	Malignant neoplasms (C00-C97)	105	10.2	2.5	3	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	203	10.0	5.3
4	Assault (homicide) (*U01-*U02,X85-Y09,Y87.1)	79	7.7	1.9	4	Malignant neoplasms (C00-C97)	165	8.1	4.3
5	Influenza and pneumonia (J09-J18) ⁴	31	3.0	0.7	5	Diseases of heart . . . (I00-I09,I11,I13,I20-I51)	41	2.0	1.1
6	Septicemia (A40-A41)	28	2.7	0.7	6	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	34	1.7	0.9
7	Diseases of heart . . . (I00-I09,I11,I13,I20-I51)	27	2.6	0.6	7	Cerebrovascular diseases (I60-I69)	16	0.8	*
8	Certain conditions originating in the perinatal period (P00-P96)	17	1.7	*	8	Influenza and pneumonia (J09-J18) ⁴	14	0.7	*
9	Cerebrovascular diseases (I60-I69)	15	1.5	*	9	Septicemia (A40-A41)	9	0.4	*
10	In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior (D00-D48)	10	1.0	*	9	Pregnancy, childbirth and the puerperium (O00-O99)	9	0.4	*
...	All other causes (residual)	258	25.1	6.2	...	All other causes (residual)	239	11.7	6.2
Hispanic, both sexes, 5-9 years					Hispanic, both sexes, 20-24 years				
...	All causes	480	100.0	10.8	...	All causes	3,168	100.0	86.5
1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	133	27.7	3.0	1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	1,351	42.6	36.9
2	Malignant neoplasms (C00-C97)	94	19.6	2.1	2	Assault (homicide) (*U01-*U02,X85-Y09,Y87.1)	713	22.5	19.5
3	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	40	8.3	0.9	3	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	308	9.7	8.4
4	Diseases of heart . . . (I00-I09,I11,I13,I20-I51)	25	5.2	0.6	4	Malignant neoplasms (C00-C97)	185	5.8	5.1
5	Assault (homicide) (*U01-*U02,X85-Y09,Y87.1)	24	5.0	0.5	5	Diseases of heart . . . (I00-I09,I11,I13,I20-I51)	85	2.7	2.3
6	In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior (D00-D48)	10	2.1	*	6	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	31	1.0	0.8
6	Influenza and pneumonia (J09-J18) ⁴	10	2.1	*	7	Pregnancy, childbirth and the puerperium (O00-O99)	30	0.9	0.8
8	Cerebrovascular diseases (I60-I69)	8	1.7	*	8	Human immunodeficiency virus (HIV) disease (B20-B24)	29	0.9	0.8
9	Chronic lower respiratory diseases (J40-J47)	7	1.5	*	9	Cerebrovascular diseases (I60-I69)	17	0.5	*
10	Complications of medical and surgical care (Y40-Y84,Y88)	6	1.3	*	10	Diabetes mellitus (E10-E14)	15	0.5	*
...	All other causes (residual)	123	25.6	2.8	10	Influenza and pneumonia (J09-J18) ⁴	15	0.5	*
					10	Legal intervention (Y35,Y89.0)	15	0.5	*
					...	All other causes (residual)	374	11.8	10.2

See footnotes at end of table.

Table 2. Deaths, percentage of total deaths, and death rates for the 10 leading causes of death in selected age groups, by Hispanic origin, race for non-Hispanic population, and sex: United States, 2008—Con.

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

Rank ¹	Cause of death (based on ICD-10, 2004), Hispanic origin, race, sex, and age	Number ²	Percent of total deaths	Death rate ²	Rank ¹	Cause of death (based on ICD-10, 2004), Hispanic origin, race, sex, and age	Number ²	Percent of total deaths	Death rate ²
Hispanic, both sexes, 25–34 years					Hispanic, both sexes, 55–64 years				
...	All causes	6,396	100.0	78.2	...	All causes	18,502	100.0	648.3
1	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	2,260	35.3	27.6	1	Malignant neoplasms (C00–C97)	5,774	31.2	202.3
2	Assault (homicide) (*U01–*U02,X85–Y09,Y87.1)	941	14.7	11.5	2	Diseases of heart (I00–I09,I11,I13,I20–I51)	3,867	20.9	135.5
3	Malignant neoplasms (C00–C97)	643	10.1	7.9	3	Diabetes mellitus (E10–E14)	1,194	6.5	41.8
4	Intentional self-harm (suicide) (*U03,X60–X84,Y87.0)	551	8.6	6.7	4	Chronic liver disease and cirrhosis (K70,K73–K74)	1,026	5.5	35.9
5	Diseases of heart (I00–I09,I11,I13,I20–I51)	362	5.7	4.4	5	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	863	4.7	30.2
6	Human immunodeficiency virus (HIV) disease (B20–B24)	175	2.7	2.1	6	Cerebrovascular diseases (I60–I69)	795	4.3	27.9
7	Cerebrovascular diseases (I60–I69)	117	1.8	1.4	7	Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27)	474	2.6	16.6
8	Chronic liver disease and cirrhosis (K70,K73–K74)	102	1.6	1.2	8	Viral hepatitis (B15–B19)	408	2.2	14.3
9	Pregnancy, childbirth and the puerperium (O00–O99)	74	1.2	0.9	9	Chronic lower respiratory diseases (J40–J47)	352	1.9	12.3
10	Diabetes mellitus (E10–E14)	62	1.0	0.8	10	Influenza and pneumonia (J09–J18) [†]	290	1.6	10.2
...	All other causes (residual)	1,109	17.3	13.6	...	All other causes (residual)	3,459	18.7	121.2
Hispanic, both sexes, 35–44 years					Hispanic, both sexes, 65 years and over				
...	All causes	8,621	100.0	123.0	...	All causes	78,201	100.0	2,938.4
1	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	1,833	21.3	26.2	1	Diseases of heart (I00–I09,I11,I13,I20–I51)	21,242	27.2	798.2
2	Malignant neoplasms (C00–C97)	1,500	17.4	21.4	2	Malignant neoplasms (C00–C97)	16,725	21.4	628.4
3	Diseases of heart (I00–I09,I11,I13,I20–I51)	885	10.3	12.6	3	Cerebrovascular diseases (I60–I69)	5,169	6.6	194.2
4	Assault (homicide) (*U01–*U02,X85–Y09,Y87.1)	535	6.2	7.6	4	Diabetes mellitus (E10–E14)	4,434	5.7	166.6
5	Intentional self-harm (suicide) (*U03,X60–X84,Y87.0)	499	5.8	7.1	5	Chronic lower respiratory diseases (J40–J47)	3,324	4.3	124.9
6	Chronic liver disease and cirrhosis (K70,K73–K74)	489	5.7	7.0	6	Alzheimer's disease (G30)	2,958	3.8	111.1
7	Human immunodeficiency virus (HIV) disease (B20–B24)	405	4.7	5.8	7	Influenza and pneumonia (J09–J18) [†]	2,422	3.1	91.0
8	Cerebrovascular diseases (I60–I69)	301	3.5	4.3	8	Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27)	2,061	2.6	77.4
9	Diabetes mellitus (E10–E14)	225	2.6	3.2	9	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	1,611	2.1	60.5
10	Viral hepatitis (B15–B19)	109	1.3	1.6	10	Septicemia (A40–A41)	1,304	1.7	49.0
...	All other causes (residual)	1,840	21.3	26.3	...	All other causes (residual)	16,951	21.7	636.9
Hispanic, both sexes, 45–54 years					Hispanic, both sexes, 65–74 years				
...	All causes	14,370	100.0	288.4	...	All causes	21,943	100.0	1,457.4
1	Malignant neoplasms (C00–C97)	3,550	24.7	71.3	1	Malignant neoplasms (C00–C97)	6,686	30.5	444.1
2	Diseases of heart (I00–I09,I11,I13,I20–I51)	2,311	16.1	46.4	2	Diseases of heart (I00–I09,I11,I13,I20–I51)	5,103	23.3	338.9
3	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	1,541	10.7	30.9	3	Diabetes mellitus (E10–E14)	1,585	7.2	105.3
4	Chronic liver disease and cirrhosis (K70,K73–K74)	1,182	8.2	23.7	4	Cerebrovascular diseases (I60–I69)	1,159	5.3	77.0
5	Cerebrovascular diseases (I60–I69)	638	4.4	12.8	5	Chronic liver disease and cirrhosis (K70,K73–K74)	739	3.4	49.1
6	Diabetes mellitus (E10–E14)	601	4.2	12.1	6	Chronic lower respiratory diseases (J40–J47)	737	3.4	48.9
7	Human immunodeficiency virus (HIV) disease (B20–B24)	467	3.2	9.4	7	Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27)	618	2.8	41.0
8	Viral hepatitis (B15–B19)	412	2.9	8.3	8	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	521	2.4	34.6
9	Intentional self-harm (suicide) (*U03,X60–X84,Y87.0)	385	2.7	7.7	9	Influenza and pneumonia (J09–J18) [†]	448	2.0	29.8
10	Assault (homicide) (*U01–*U02,X85–Y09,Y87.1)	267	1.9	5.4	10	Septicemia (A40–A41)	392	1.8	26.0
...	All other causes (residual)	3,016	21.0	60.5	...	All other causes (residual)	3,955	18.0	262.7

See footnotes at end of table.

Table 2. Deaths, percentage of total deaths, and death rates for the 10 leading causes of death in selected age groups, by Hispanic origin, race for non-Hispanic population, and sex: United States, 2008—Con.

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

Rank ¹	Cause of death (based on ICD-10, 2004), Hispanic origin, race, sex, and age	Number ²	Percent of total deaths	Death rate ²	Rank ¹	Cause of death (based on ICD-10, 2004), Hispanic origin, race, sex, and age	Number ²	Percent of total deaths	Death rate ²
Hispanic, both sexes, 75–84 years					Hispanic, male, 1–4 years				
...	All causes	30,262	100.0	3,592.2	...	All causes	587	100.0	27.5
1	Diseases of heart . . . (I00–I09,I11,I13,I20–I51)	7,769	25.7	922.2	1	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	212	36.1	9.9
2	Malignant neoplasms (C00–C97)	6,953	23.0	825.3	2	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	65	11.1	3.0
3	Cerebrovascular diseases (I60–I69)	2,133	7.0	253.2	3	Malignant neoplasms (C00–C97)	52	8.9	2.4
4	Diabetes mellitus (E10–E14)	1,814	6.0	215.3	4	Assault (homicide) (*U01–*U02,X85–Y09,Y87.1)	35	6.0	1.6
5	Chronic lower respiratory diseases (J40–J47)	1,410	4.7	167.4	5	Diseases of heart . . . (I00–I09,I11,I13,I20–I51)	18	3.1	*
6	Alzheimer's disease (G30)	992	3.3	117.8	6	Septicemia (A40–A41)	14	2.4	*
7	Influenza and pneumonia (J09–J18) ⁴	908	3.0	107.8	6	Influenza and pneumonia (J09–J18) ⁴	14	2.4	*
8	Nephritis, nephrotic syndrome and nephrosis . . . (N00–N07,N17–N19,N25–N27)	835	2.8	99.1	8	Certain conditions originating in the perinatal period (P00–P96)	10	1.7	*
9	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	598	2.0	71.0	9	Cerebrovascular diseases (I60–I69)	7	1.2	*
10	Septicemia (A40–A41)	523	1.7	62.1	10	Chronic lower respiratory diseases (J40–J47)	4	0.7	*
...	All other causes (residual)	6,327	20.9	751.0	...	All other causes (residual)	156	26.6	7.3
Hispanic, both sexes, 85 years and over					Hispanic, male, 5–9 years				
...	All causes	25,996	100.0	8,299.3	...	All causes	253	100.0	11.1
1	Diseases of heart . . . (I00–I09,I11,I13,I20–I51)	8,370	32.2	2,672.1	1	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	79	31.2	3.5
2	Malignant neoplasms (C00–C97)	3,086	11.9	985.2	2	Malignant neoplasms (C00–C97)	49	19.4	2.1
3	Cerebrovascular diseases (I60–I69)	1,877	7.2	599.2	3	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	20	7.9	0.9
4	Alzheimer's disease (G30)	1,733	6.7	553.3	4	Assault (homicide) (*U01–*U02,X85–Y09,Y87.1)	15	5.9	*
5	Chronic lower respiratory diseases (J40–J47)	1,177	4.5	375.8	5	Diseases of heart . . . (I00–I09,I11,I13,I20–I51)	10	4.0	*
6	Influenza and pneumonia (J09–J18) ⁴	1,066	4.1	340.3	6	Influenza and pneumonia (J09–J18) ⁴	6	2.4	*
7	Diabetes mellitus (E10–E14)	1,035	4.0	330.4	7	Cerebrovascular diseases (I60–I69)	4	1.6	*
8	Nephritis, nephrotic syndrome and nephrosis . . . (N00–N07,N17–N19,N25–N27)	608	2.3	194.1	8	Septicemia (A40–A41)	3	1.2	*
9	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	492	1.9	157.1	8	Anemias (D50–D64)	3	1.2	*
10	Essential hypertension and hypertensive renal disease (I10,I12,I15)	482	1.9	153.9	8	Chronic lower respiratory diseases (J40–J47)	3	1.2	*
...	All other causes (residual)	6,070	23.3	1,937.9	...	All other causes (residual)	61	24.1	2.7
Hispanic, male, all ages ³									
...	All causes	76,861	100.0	316.9					
1	Diseases of heart . . . (I00–I09,I11,I13,I20–I51)	15,498	20.2	63.9					
2	Malignant neoplasms (C00–C97)	15,283	19.9	63.0					
3	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	8,363	10.9	34.5					
4	Cerebrovascular diseases (I60–I69)	3,370	4.4	13.9					
5	Diabetes mellitus (E10–E14)	3,314	4.3	13.7					
6	Chronic liver disease and cirrhosis (K70,K73–K74)	2,850	3.7	11.8					
7	Assault (homicide) (*U01–*U02,X85–Y09,Y87.1)	2,777	3.6	11.4					
8	Chronic lower respiratory diseases (J40–J47)	2,019	2.6	8.3					
9	Intentional self-harm (suicide) (*U03,X60–X84,Y87.0)	1,955	2.5	8.1					
10	Certain conditions originating in the perinatal period (P00–P96)	1,645	2.1	6.8					
...	All other causes (residual)	19,787	25.7	81.6					

See footnotes at end of table.

Table 2. Deaths, percentage of total deaths, and death rates for the 10 leading causes of death in selected age groups, by Hispanic origin, race for non-Hispanic population, and sex: United States, 2008—Con.

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Hispanic, male, 10–14 years					Hispanic, male, 20–24 years				
...	All causes	295	100.0	14.4	...	All causes	2,560	100.0	131.6
1	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	111	37.6	5.4	1	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	1,132	44.2	58.2
2	Malignant neoplasms (C00–C97)	46	15.6	2.3	2	Assault (homicide) (*U01–*U02,X85–Y09,Y87.1)	646	25.2	33.2
3	Assault (homicide) (*U01–*U02,X85–Y09,Y87.1)	26	8.8	1.3	3	Intentional self-harm (suicide) (*U03,X60–X84,Y87.0)	269	10.5	13.8
4	Intentional self-harm (suicide) (*U03,X60–X84,Y87.0)	12	4.1	*	4	Malignant neoplasms (C00–C97)	119	4.6	6.1
5	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	9	3.1	*	5	Diseases of heart (I00–I09,I11,I13,I20–I51)	65	2.5	3.3
6	Diseases of heart (I00–I09,I11,I13,I20–I51)	7	2.4	*	6	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	19	0.7	*
6	Cerebrovascular diseases (I60–I69)	7	2.4	*	7	Human immunodeficiency virus (HIV) disease (B20–B24)	17	0.7	*
8	Chronic lower respiratory diseases (J40–J47)	3	1.0	*	8	Legal intervention (Y35,Y89.0)	15	0.6	*
9	Diabetes mellitus (E10–E14)	2	0.7	*	9	Diabetes mellitus (E10–E14)	10	0.4	*
10	Salmonella infections (A01–A02)	1	0.3	*	10	Cerebrovascular diseases (I60–I69)	8	0.3	*
10	Tuberculosis (A16–A19)	1	0.3	*	10	Influenza and pneumonia (J09–J18) ^d	8	0.3	*
10	Septicemia (A40–A41)	1	0.3	*	10	Chronic lower respiratory diseases (J40–J47)	8	0.3	*
10	In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior (D00–D48)	1	0.3	*	...	All other causes (residual)	244	9.5	12.5
10	Anemias (D50–D64)	1	0.3	*	Hispanic, male, 25–34 years				
10	Influenza and pneumonia (J09–J18) ^d	1	0.3	*	...	All causes	4,839	100.0	107.2
10	Diseases of appendix (K35–K38)	1	0.3	*	1	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	1,903	39.3	42.2
10	Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27)	1	0.3	*	2	Assault (homicide) (*U01–*U02,X85–Y09,Y87.1)	808	16.7	17.9
10	Complications of medical and surgical care (Y40–Y84,Y88)	1	0.3	*	3	Intentional self-harm (suicide) (*U03,X60–X84,Y87.0)	468	9.7	10.4
...	All other causes (residual)	63	21.4	3.1	4	Malignant neoplasms (C00–C97)	344	7.1	7.6
Hispanic, male, 15–19 years					5	Diseases of heart (I00–I09,I11,I13,I20–I51)	264	5.5	5.8
...	All causes	1,519	100.0	76.7	6	Human immunodeficiency virus (HIV) disease (B20–B24)	134	2.8	3.0
1	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	608	40.0	30.7	7	Chronic liver disease and cirrhosis (K70,K73–K74)	85	1.8	1.9
2	Assault (homicide) (*U01–*U02,X85–Y09,Y87.1)	441	29.0	22.3	8	Cerebrovascular diseases (I60–I69)	81	1.7	1.8
3	Intentional self-harm (suicide) (*U03,X60–X84,Y87.0)	155	10.2	7.8	9	Diabetes mellitus (E10–E14)	37	0.8	0.8
4	Malignant neoplasms (C00–C97)	98	6.5	4.9	10	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	31	0.6	0.7
5	Diseases of heart (I00–I09,I11,I13,I20–I51)	30	2.0	1.5	...	All other causes (residual)	684	14.1	15.2
6	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	21	1.4	1.1	Hispanic, male, 35–44 years				
7	Cerebrovascular diseases (I60–I69)	9	0.6	*	...	All causes	5,924	100.0	158.9
8	Influenza and pneumonia (J09–J18) ^d	8	0.5	*	1	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	1,494	25.2	40.1
9	Chronic lower respiratory diseases (J40–J47)	6	0.4	*	2	Diseases of heart (I00–I09,I11,I13,I20–I51)	672	11.3	18.0
9	Legal intervention (Y35,Y89.0)	6	0.4	*	3	Malignant neoplasms (C00–C97)	650	11.0	17.4
...	All other causes (residual)	137	9.0	6.9	4	Assault (homicide) (*U01–*U02,X85–Y09,Y87.1)	442	7.5	11.9
See footnotes at end of table.					5	Intentional self-harm (suicide) (*U03,X60–X84,Y87.0)	419	7.1	11.2
					6	Chronic liver disease and cirrhosis (K70,K73–K74)	375	6.3	10.1
					7	Human immunodeficiency virus (HIV) disease (B20–B24)	302	5.1	8.1
					8	Cerebrovascular diseases (I60–I69)	188	3.2	5.0
					9	Diabetes mellitus (E10–E14)	152	2.6	4.1
					10	Viral hepatitis (B15–B19)	78	1.3	2.1
					...	All other causes (residual)	1,152	19.4	30.9

Table 2. Deaths, percentage of total deaths, and death rates for the 10 leading causes of death in selected age groups, by Hispanic origin, race for non-Hispanic population, and sex: United States, 2008—Con.

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

Rank ¹	Cause of death (based on ICD-10, 2004), Hispanic origin, race, sex, and age	Number ²	Percent of total deaths	Death rate ²	Rank ¹	Cause of death (based on ICD-10, 2004), Hispanic origin, race, sex, and age	Number ²	Percent of total deaths	Death rate ²
Hispanic, male, 45–54 years					Hispanic, male, 65–74 years				
...	All causes	9,469	100.0	372.5	...	All causes	12,421	100.0	1,826.9
1	Malignant neoplasms(C00–C97)	1,799	19.0	70.8	1	Malignant neoplasms(C00–C97)	3,787	30.5	557.0
2	Diseases of heart(I00–I09,I11,I13,I20–I51)	1,717	18.1	67.6	2	Diseases of heart(I00–I09,I11,I13,I20–I51)	3,074	24.7	452.1
3	Accidents (unintentional injuries)(V01–X59,Y85–Y86)	1,194	12.6	47.0	3	Diabetes mellitus(E10–E14)	831	6.7	122.2
4	Chronic liver disease and cirrhosis(K70,K73–K74)	930	9.8	36.6	4	Cerebrovascular diseases(I60–I69)	607	4.9	89.3
5	Cerebrovascular diseases(I60–I69)	386	4.1	15.2	5	Chronic liver disease and cirrhosis(K70,K73–K74)	443	3.6	65.2
6	Diabetes mellitus(E10–E14)	376	4.0	14.8	6	Chronic lower respiratory diseases(J40–J47)	405	3.3	59.6
7	Human immunodeficiency virus (HIV) disease(B20–B24)	363	3.8	14.3	7	Accidents (unintentional injuries)(V01–X59,Y85–Y86)	336	2.7	49.4
8	Viral hepatitis(B15–B19)	318	3.4	12.5	8	Nephritis, nephrotic syndrome and nephrosis(N00–N07,N17–N19,N25–N27)	312	2.5	45.9
9	Intentional self-harm (suicide)(*U03,X60–X84,Y87.0)	306	3.2	12.0	9	Influenza and pneumonia(J09–J18) ⁴	253	2.0	37.2
10	Assault (homicide)(*U01–*U02,X85–Y09,Y87.1)	208	2.2	8.2	10	Septicemia(A40–A41)	220	1.8	32.4
...	All other causes(residual)	1,872	19.8	73.6	...	All other causes(residual)	2,153	17.3	316.7
Hispanic, male, 55–64 years					Hispanic, male, 75–84 years				
...	All causes	11,461	100.0	831.3	...	All causes	14,851	100.0	4,264.0
1	Malignant neoplasms(C00–C97)	3,133	27.3	227.3	1	Diseases of heart(I00–I09,I11,I13,I20–I51)	3,970	26.7	1,139.8
2	Diseases of heart(I00–I09,I11,I13,I20–I51)	2,692	23.5	195.3	2	Malignant neoplasms(C00–C97)	3,702	24.9	1,062.9
3	Chronic liver disease and cirrhosis(K70,K73–K74)	782	6.8	56.7	3	Cerebrovascular diseases(I60–I69)	951	6.4	273.0
4	Diabetes mellitus(E10–E14)	683	6.0	49.5	4	Diabetes mellitus(E10–E14)	843	5.7	242.0
5	Accidents (unintentional injuries)(V01–X59,Y85–Y86)	673	5.9	48.8	5	Chronic lower respiratory diseases(J40–J47)	738	5.0	211.9
6	Cerebrovascular diseases(I60–I69)	483	4.2	35.0	6	Influenza and pneumonia(J09–J18) ⁴	450	3.0	129.2
7	Viral hepatitis(B15–B19)	276	2.4	20.0	7	Nephritis, nephrotic syndrome and nephrosis(N00–N07,N17–N19,N25–N27)	410	2.8	117.7
8	Nephritis, nephrotic syndrome and nephrosis(N00–N07,N17–N19,N25–N27)	249	2.2	18.1	8	Alzheimer's disease(G30)	379	2.6	108.8
9	Chronic lower respiratory diseases(J40–J47)	203	1.8	14.7	9	Accidents (unintentional injuries)(V01–X59,Y85–Y86)	309	2.1	88.7
10	Influenza and pneumonia(J09–J18) ⁴	174	1.5	12.6	10	Parkinson's disease(G20–G21)	229	1.5	65.7
...	All other causes(residual)	2,113	18.4	153.3	...	All other causes(residual)	2,870	19.3	824.0
Hispanic, male, 65 years and over					Hispanic, male, 85 years and over				
...	All causes	36,666	100.0	3,215.5	...	All causes	9,394	100.0	8,379.0
1	Diseases of heart(I00–I09,I11,I13,I20–I51)	9,972	27.2	874.5	1	Diseases of heart(I00–I09,I11,I13,I20–I51)	2,928	31.2	2,611.7
2	Malignant neoplasms(C00–C97)	8,982	24.5	787.7	2	Malignant neoplasms(C00–C97)	1,493	15.9	1,331.7
3	Cerebrovascular diseases(I60–I69)	2,180	5.9	191.2	3	Cerebrovascular diseases(I60–I69)	622	6.6	554.8
4	Diabetes mellitus(E10–E14)	2,051	5.6	179.9	4	Chronic lower respiratory diseases(J40–J47)	516	5.5	460.2
5	Chronic lower respiratory diseases(J40–J47)	1,659	4.5	145.5	5	Alzheimer's disease(G30)	447	4.8	398.7
6	Influenza and pneumonia(J09–J18) ⁴	1,103	3.0	96.7	6	Influenza and pneumonia(J09–J18) ⁴	400	4.3	356.8
7	Nephritis, nephrotic syndrome and nephrosis(N00–N07,N17–N19,N25–N27)	990	2.7	86.8	7	Diabetes mellitus(E10–E14)	377	4.0	336.3
8	Alzheimer's disease(G30)	944	2.6	82.8	8	Nephritis, nephrotic syndrome and nephrosis(N00–N07,N17–N19,N25–N27)	268	2.9	239.0
9	Accidents (unintentional injuries)(V01–X59,Y85–Y86)	843	2.3	73.9	9	Accidents (unintentional injuries)(V01–X59,Y85–Y86)	198	2.1	176.6
10	Chronic liver disease and cirrhosis(K70,K73–K74)	673	1.8	59.0	10	Essential hypertension and hypertensive renal disease(I10,I12,I15)	146	1.6	130.2
...	All other causes(residual)	7,269	19.8	637.5	...	All other causes(residual)	1,999	21.3	1,783.0

See footnotes at end of table.

Table 2. Deaths, percentage of total deaths, and death rates for the 10 leading causes of death in selected age groups, by Hispanic origin, race for non-Hispanic population, and sex: United States, 2008—Con.

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Rank ¹	Cause of death (based on ICD-10, 2004), Hispanic origin, race, sex, and age	Number ²	Percent of total deaths	Death rate ²	Rank ¹	Cause of death (based on ICD-10, 2004), Hispanic origin, race, sex, and age	Number ²	Percent of total deaths	Death rate ²
Hispanic, female, all ages ³					Hispanic, female, 10-14 years				
...	All causes	62,380	100.0	274.9	...	All causes	245	100.0	12.6
1	Malignant neoplasms(C00-C97)	13,568	21.8	59.8	1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	60	24.5	3.1
2	Diseases of heart(I00-I09,I11,I13,I20-I51)	13,453	21.6	59.3	2	Malignant neoplasms(C00-C97)	46	18.8	2.4
3	Cerebrovascular diseases(I60-I69)	3,751	6.0	16.5	3	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	19	7.8	*
4	Diabetes mellitus(E10-E14)	3,230	5.2	14.2	4	Assault (homicide)(*U01-*U02,X85-Y09,Y87.1)	13	5.3	*
5	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	2,717	4.4	12.0	5	Cerebrovascular diseases(I60-I69)	11	4.5	*
6	Alzheimer's disease(G30)	2,039	3.3	9.0	6	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	9	3.7	*
7	Chronic lower respiratory diseases (J40-J47)	1,930	3.1	8.5	7	Septicemia(A40-A41)	7	2.9	*
8	Influenza and pneumonia(J09-J18) ⁴	1,632	2.6	7.2	8	Diseases of heart(I00-I09,I11,I13,I20-I51)	6	2.4	*
9	Nephritis, nephrotic syndrome and nephrosis(N00-N07,N17-N19,N25-N27)	1,447	2.3	6.4	8	Chronic lower respiratory diseases (J40-J47)	6	2.4	*
10	Chronic liver disease and cirrhosis (K70,K73-K74)	1,241	2.0	5.5	8	Influenza and pneumonia(J09-J18) ⁴	5	2.0	*
...	All other causes(residual)	17,372	27.8	76.6	10	All other causes(residual)	63	25.7	3.2
Hispanic, female, 1-4 years					Hispanic, female, 15-19 years				
...	All causes	442	100.0	21.6	...	All causes	516	100.0	27.6
1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	117	26.5	5.7	1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	193	37.4	10.3
2	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	65	14.7	3.2	2	Malignant neoplasms(C00-C97)	67	13.0	3.6
3	Malignant neoplasms(C00-C97)	53	12.0	2.6	3	Assault (homicide)(*U01-*U02,X85-Y09,Y87.1)	63	12.2	3.4
4	Assault (homicide)(*U01-*U02,X85-Y09,Y87.1)	44	10.0	2.2	4	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	48	9.3	2.6
5	Influenza and pneumonia(J09-J18) ⁴	17	3.8	*	5	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	13	2.5	*
6	Septicemia(A40-A41)	14	3.2	*	6	Diseases of heart(I00-I09,I11,I13,I20-I51)	11	2.1	*
7	Diseases of heart(I00-I09,I11,I13,I20-I51)	9	2.0	*	7	Pregnancy, childbirth and the puerperium (O00-O99)	9	1.7	*
8	Cerebrovascular diseases(I60-I69)	8	1.8	*	8	Cerebrovascular diseases(I60-I69)	7	1.4	*
9	In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior(D00-D48)	7	1.6	*	9	Influenza and pneumonia(J09-J18) ⁴	6	1.2	*
9	Certain conditions originating in the perinatal period(P00-P96)	7	1.6	*	10	Anemias(D50-D64)	5	1.0	*
...	All other causes(residual)	101	22.9	4.9	...	All other causes(residual)	94	18.2	5.0
Hispanic, female, 5-9 years					Hispanic, female, 20-24 years				
...	All causes	227	100.0	10.4	...	All causes	608	100.0	35.4
1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	54	23.8	2.5	1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	219	36.0	12.8
2	Malignant neoplasms(C00-C97)	45	19.8	2.1	2	Assault (homicide)(*U01-*U02,X85-Y09,Y87.1)	67	11.0	3.9
3	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	20	8.8	0.9	3	Malignant neoplasms(C00-C97)	66	10.9	3.8
4	Diseases of heart(I00-I09,I11,I13,I20-I51)	15	6.6	*	4	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	39	6.4	2.3
5	In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior(D00-D48)	9	4.0	*	5	Pregnancy, childbirth and the puerperium (O00-O99)	30	4.9	1.7
5	Assault (homicide)(*U01-*U02,X85-Y09,Y87.1)	9	4.0	*	6	Diseases of heart(I00-I09,I11,I13,I20-I51)	20	3.3	1.2
7	Complications of medical and surgical care (Y40-Y84,Y88)	5	2.2	*	7	Human immunodeficiency virus (HIV) disease(B20-B24)	12	2.0	*
8	Cerebrovascular diseases(I60-I69)	4	1.8	*	7	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	12	2.0	*
8	Influenza and pneumonia(J09-J18) ⁴	4	1.8	*	9	Cerebrovascular diseases(I60-I69)	9	1.5	*
8	Chronic lower respiratory diseases (J40-J47)	4	1.8	*	10	Septicemia(A40-A41)	7	1.2	*
...	All other causes(residual)	58	25.6	2.7	10	Influenza and pneumonia(J09-J18) ⁴	7	1.2	*
...					...	All other causes(residual)	120	19.7	7.0

See footnotes at end of table.

Table 2. Deaths, percentage of total deaths, and death rates for the 10 leading causes of death in selected age groups, by Hispanic origin, race for non-Hispanic population, and sex: United States, 2008—Con.

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Rank ¹	Cause of death (based on ICD-10, 2004), Hispanic origin, race, sex, and age	Number ²	Percent of total deaths	Death rate ²	Rank ¹	Cause of death (based on ICD-10, 2004), Hispanic origin, race, sex, and age	Number ²	Percent of total deaths	Death rate ²
Hispanic, female, 25–34 years					Hispanic, female, 55–64 years				
...	All causes	1,557	100.0	42.4	...	All causes	7,041	100.0	477.2
1	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	357	22.9	9.7	1	Malignant neoplasms (C00–C97)	2,641	37.5	179.0
2	Malignant neoplasms (C00–C97)	299	19.2	8.2	2	Diseases of heart (I00–I09,I11,I13,I20–I51)	1,175	16.7	79.6
3	Assault (homicide) (*U01–*U02,X85–Y09,Y87.1)	133	8.5	3.6	3	Diabetes mellitus (E10–E14)	511	7.3	34.6
4	Diseases of heart (I00–I09,I11,I13,I20–I51)	98	6.3	2.7	4	Cerebrovascular diseases (I60–I69)	312	4.4	21.1
5	Intentional self-harm (suicide) (*U03,X60–X84,Y87.0)	83	5.3	2.3	5	Chronic liver disease and cirrhosis (K70,K73–K74)	244	3.5	16.5
6	Pregnancy, childbirth and the puerperium (O00–O99)	74	4.8	2.0	6	Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27)	225	3.2	15.2
7	Human immunodeficiency virus (HIV) disease (B20–B24)	41	2.6	1.1	7	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	190	2.7	12.9
8	Cerebrovascular diseases (I60–I69)	36	2.3	1.0	8	Chronic lower respiratory diseases (J40–J47)	149	2.1	10.1
9	Influenza and pneumonia (J09–J18) ⁴	27	1.7	0.7	9	Viral hepatitis (B15–B19)	132	1.9	8.9
10	Diabetes mellitus (E10–E14)	25	1.6	0.7	10	Septicemia (A40–A41)	118	1.7	8.0
...	All other causes (residual)	384	24.7	10.5	...	All other causes (residual)	1,344	19.1	91.1
Hispanic, female, 35–44 years					Hispanic, female, 65 years and over				
...	All causes	2,697	100.0	82.2	...	All causes	41,535	100.0	2,730.8
1	Malignant neoplasms (C00–C97)	850	31.5	25.9	1	Diseases of heart (I00–I09,I11,I13,I20–I51)	11,270	27.1	741.0
2	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	339	12.6	10.3	2	Malignant neoplasms (C00–C97)	7,743	18.6	509.1
3	Diseases of heart (I00–I09,I11,I13,I20–I51)	213	7.9	6.5	3	Cerebrovascular diseases (I60–I69)	2,989	7.2	196.5
4	Chronic liver disease and cirrhosis (K70,K73–K74)	114	4.2	3.5	4	Diabetes mellitus (E10–E14)	2,383	5.7	156.7
5	Cerebrovascular diseases (I60–I69)	113	4.2	3.4	5	Alzheimer's disease (G30)	2,014	4.8	132.4
6	Human immunodeficiency virus (HIV) disease (B20–B24)	103	3.8	3.1	6	Chronic lower respiratory diseases (J40–J47)	1,665	4.0	109.5
7	Assault (homicide) (*U01–*U02,X85–Y09,Y87.1)	93	3.4	2.8	7	Influenza and pneumonia (J09–J18) ⁴	1,319	3.2	86.7
8	Intentional self-harm (suicide) (*U03,X60–X84,Y87.0)	80	3.0	2.4	8	Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27)	1,071	2.6	70.4
9	Diabetes mellitus (E10–E14)	73	2.7	2.2	9	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	768	1.8	50.5
10	Influenza and pneumonia (J09–J18) ⁴	37	1.4	1.1	10	Septicemia (A40–A41)	719	1.7	47.3
...	All other causes (residual)	682	25.3	20.8	...	All other causes (residual)	9,594	23.1	630.8
Hispanic, female, 45–54 years					Hispanic, female, 65–74 years				
...	All causes	4,901	100.0	200.8	...	All causes	9,522	100.0	1,153.1
1	Malignant neoplasms (C00–C97)	1,751	35.7	71.7	1	Malignant neoplasms (C00–C97)	2,899	30.4	351.1
2	Diseases of heart (I00–I09,I11,I13,I20–I51)	594	12.1	24.3	2	Diseases of heart (I00–I09,I11,I13,I20–I51)	2,029	21.3	245.7
3	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	347	7.1	14.2	3	Diabetes mellitus (E10–E14)	754	7.9	91.3
4	Cerebrovascular diseases (I60–I69)	252	5.1	10.3	4	Cerebrovascular diseases (I60–I69)	552	5.8	66.8
4	Chronic liver disease and cirrhosis (K70,K73–K74)	252	5.1	10.3	5	Chronic lower respiratory diseases (J40–J47)	332	3.5	40.2
6	Diabetes mellitus (E10–E14)	225	4.6	9.2	6	Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27)	306	3.2	37.1
7	Human immunodeficiency virus (HIV) disease (B20–B24)	104	2.1	4.3	7	Chronic liver disease and cirrhosis (K70,K73–K74)	296	3.1	35.8
8	Viral hepatitis (B15–B19)	94	1.9	3.9	8	Influenza and pneumonia (J09–J18) ⁴	195	2.0	23.6
9	Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27)	84	1.7	3.4	9	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	185	1.9	22.4
10	Intentional self-harm (suicide) (*U03,X60–X84,Y87.0)	79	1.6	3.2	10	Septicemia (A40–A41)	172	1.8	20.8
...	All other causes (residual)	1,119	22.8	45.8	...	All other causes (residual)	1,802	18.9	218.2

See footnotes at end of table.

Table 2. Deaths, percentage of total deaths, and death rates for the 10 leading causes of death in selected age groups, by Hispanic origin, race for non-Hispanic population, and sex: United States, 2008—Con.

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

Rank ¹	Cause of death (based on ICD-10, 2004), Hispanic origin, race, sex, and age	Number ²	Percent of total deaths	Death rate ²	Rank ¹	Cause of death (based on ICD-10, 2004), Hispanic origin, race, sex, and age	Number ²	Percent of total deaths	Death rate ²
Hispanic, female, 75–84 years					Non-Hispanic white, both sexes, 1–4 years				
...	All causes	15,411	100.0	3,118.7	...	All causes	2,373	100.0	26.1
1	Diseases of heart . . . (I00–I09,I11,I13,I20–I51)	3,799	24.7	768.8	1	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	788	33.2	8.7
2	Malignant neoplasms (C00–C97)	3,251	21.1	657.9	2	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	256	10.8	2.8
3	Cerebrovascular diseases (I60–I69)	1,182	7.7	239.2	3	Malignant neoplasms (C00–C97)	225	9.5	2.5
4	Diabetes mellitus (E10–E14)	971	6.3	196.5	4	Assault (homicide) (*U01–*U02,X85–Y09,Y87.1)	168	7.1	1.8
5	Chronic lower respiratory diseases (J40–J47)	672	4.4	136.0	5	Diseases of heart . . . (I00–I09,I11,I13,I20–I51)	80	3.4	0.9
6	Alzheimer's disease (G30)	613	4.0	124.1	6	Influenza and pneumonia (J09–J18) ⁴	60	2.5	0.7
7	Influenza and pneumonia (J09–J18) ⁴	458	3.0	92.7	7	Septicemia (A40–A41)	41	1.7	0.5
8	Nephritis, nephrotic syndrome and nephrosis . . . (N00–N07,N17–N19,N25–N27)	425	2.8	86.0	8	Cerebrovascular diseases (I60–I69)	30	1.3	0.3
9	Septicemia (A40–A41)	302	2.0	61.1	9	In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior (D00–D48)	27	1.1	0.3
10	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	289	1.9	58.5	10	Chronic lower respiratory diseases (J40–J47)	22	0.9	0.2
...	All other causes (residual)	3,449	22.4	698.0	...	All other causes (residual)	676	28.5	7.4
Hispanic, female, 85 years and over					Non-Hispanic white, both sexes, 5–9 years				
...	All causes	16,602	100.0	8,254.9	...	All causes	1,325	100.0	11.5
1	Diseases of heart . . . (I00–I09,I11,I13,I20–I51)	5,442	32.8	2,705.9	1	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	471	35.5	4.1
2	Malignant neoplasms (C00–C97)	1,593	9.6	792.1	2	Malignant neoplasms (C00–C97)	260	19.6	2.3
3	Alzheimer's disease (G30)	1,286	7.7	639.4	3	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	89	6.7	0.8
4	Cerebrovascular diseases (I60–I69)	1,255	7.6	624.0	4	Diseases of heart . . . (I00–I09,I11,I13,I20–I51)	47	3.5	0.4
5	Influenza and pneumonia (J09–J18) ⁴	666	4.0	331.1	5	Assault (homicide) (*U01–*U02,X85–Y09,Y87.1)	41	3.1	0.4
6	Chronic lower respiratory diseases (J40–J47)	661	4.0	328.7	6	In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior (D00–D48)	31	2.3	0.3
7	Diabetes mellitus (E10–E14)	658	4.0	327.2	7	Cerebrovascular diseases (I60–I69)	21	1.6	0.2
8	Nephritis, nephrotic syndrome and nephrosis . . . (N00–N07,N17–N19,N25–N27)	340	2.0	169.1	8	Influenza and pneumonia (J09–J18) ⁴	15	1.1	*
9	Essential hypertension and hypertensive renal disease (I10,I12,I15)	336	2.0	167.1	8	Chronic lower respiratory diseases (J40–J47)	15	1.1	*
10	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	294	1.8	146.2	10	Certain conditions originating in the perinatal period (P00–P96)	13	1.0	*
...	All other causes (residual)	4,071	24.5	2,024.2	...	All other causes (residual)	322	24.3	2.8
Non-Hispanic white, both sexes, all ages ³					Non-Hispanic white, both sexes, 10–14 years				
...	All causes	1,981,034	100.0	982.0	...	All causes	1,745	100.0	14.7
1	Diseases of heart . . . (I00–I09,I11,I13,I20–I51)	503,096	25.4	249.4	1	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	620	35.5	5.2
2	Malignant neoplasms (C00–C97)	457,084	23.1	226.6	2	Malignant neoplasms (C00–C97)	249	14.3	2.1
3	Chronic lower respiratory diseases (J40–J47)	126,146	6.4	62.5	3	Intentional self-harm (suicide) (*U03,X60–X84,Y87.0)	145	8.3	1.2
4	Cerebrovascular diseases (I60–I69)	106,134	5.4	52.6	4	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	80	4.6	0.7
5	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	94,722	4.8	47.0	5	Diseases of heart . . . (I00–I09,I11,I13,I20–I51)	70	4.0	0.6
6	Alzheimer's disease (G30)	73,219	3.7	36.3	6	Assault (homicide) (*U01–*U02,X85–Y09,Y87.1)	63	3.6	0.5
7	Diabetes mellitus (E10–E14)	49,388	2.5	24.5	7	Influenza and pneumonia (J09–J18) ⁴	34	1.9	0.3
8	Influenza and pneumonia (J09–J18) ⁴	45,780	2.3	22.7	8	Cerebrovascular diseases (I60–I69)	26	1.5	0.2
9	Nephritis, nephrotic syndrome and nephrosis . . . (N00–N07,N17–N19,N25–N27)	35,439	1.8	17.6	9	Septicemia (A40–A41)	21	1.2	0.2
10	Intentional self-harm (suicide) (*U03,X60–X84,Y87.0)	30,281	1.5	15.0	10	In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior (D00–D48)	18	1.0	*
...	All other causes (residual)	459,745	23.2	227.9	...	All other causes (residual)	419	24.0	3.5

See footnotes at end of table.

Table 2. Deaths, percentage of total deaths, and death rates for the 10 leading causes of death in selected age groups, by Hispanic origin, race for non-Hispanic population, and sex: United States, 2008—Con.

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

Rank ¹	Cause of death (based on ICD-10, 2004), Hispanic origin, race, sex, and age	Number ²	Percent of total deaths	Death rate ²	Rank ¹	Cause of death (based on ICD-10, 2004), Hispanic origin, race, sex, and age	Number ²	Percent of total deaths	Death rate ²
Non-Hispanic white, both sexes, 15–19 years					Non-Hispanic white, both sexes, 35–44 years				
...	All causes	7,046	100.0	53.7	...	All causes	49,091	100.0	180.0
1	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	3,884	55.1	29.6	1	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	11,865	24.2	43.5
2	Intentional self-harm (suicide) (*U03,X60–X84,Y87.0)	1,105	15.7	8.4	3	Diseases of heart (I00–I09,I11,I13,I20–I51)	7,190	14.6	26.4
3	Malignant neoplasms (C00–C97)	380	5.4	2.9	4	Intentional self-harm (suicide) (*U03,X60–X84,Y87.0)	5,571	11.3	20.4
4	Assault (homicide) (*U01–*U02,X85–Y09,Y87.1)	324	4.6	2.5	5	Chronic liver disease and cirrhosis (K70,K73–K74)	1,687	3.4	6.2
5	Diseases of heart (I00–I09,I11,I13,I20–I51)	172	2.4	1.3	6	Assault (homicide) (*U01–*U02,X85–Y09,Y87.1)	1,058	2.2	3.9
6	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	129	1.8	1.0	7	Diabetes mellitus (E10–E14)	1,036	2.1	3.8
7	Cerebrovascular diseases (I60–I69)	43	0.6	0.3	8	Cerebrovascular diseases (I60–I69)	1,005	2.0	3.7
8	Influenza and pneumonia (J09–J18) ⁴	38	0.5	0.3	9	Human immunodeficiency virus (HIV) disease (B20–B24)	823	1.7	3.0
9	In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior (D00–D48)	31	0.4	0.2	10	Influenza and pneumonia (J09–J18) ⁴	545	1.1	2.0
10	Diabetes mellitus (E10–E14)	29	0.4	0.2	...	All other causes (residual)	10,065	20.5	36.9
...	All other causes (residual)	911	12.9	6.9	Non-Hispanic white, both sexes, 45–54 years				
Non-Hispanic white, both sexes, 20–24 years					...	All causes	130,423	100.0	410.3
...	All causes	11,514	100.0	87.7	1	Malignant neoplasms (C00–C97)	36,300	27.8	114.2
1	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	6,027	52.3	45.9	2	Diseases of heart (I00–I09,I11,I13,I20–I51)	26,243	20.1	82.6
2	Intentional self-harm (suicide) (*U03,X60–X84,Y87.0)	1,920	16.7	14.6	4	Intentional self-harm (suicide) (*U03,X60–X84,Y87.0)	7,342	5.6	23.1
3	Assault (homicide) (*U01–*U02,X85–Y09,Y87.1)	590	5.1	4.5	5	Chronic liver disease and cirrhosis (K70,K73–K74)	5,893	4.5	18.5
4	Malignant neoplasms (C00–C97)	569	4.9	4.3	6	Chronic lower respiratory diseases (J40–J47)	3,489	2.7	11.0
5	Diseases of heart (I00–I09,I11,I13,I20–I51)	339	2.9	2.6	7	Diabetes mellitus (E10–E14)	3,478	2.7	10.9
6	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	137	1.2	1.0	8	Cerebrovascular diseases (I60–I69)	3,249	2.5	10.2
7	Influenza and pneumonia (J09–J18) ⁴	87	0.8	0.7	9	Viral hepatitis (B15–B19)	1,862	1.4	5.9
8	Diabetes mellitus (E10–E14)	81	0.7	0.6	10	Septicemia (A40–A41)	1,548	1.2	4.9
9	Cerebrovascular diseases (I60–I69)	64	0.6	0.5	...	All other causes (residual)	25,322	19.4	79.7
10	Pregnancy, childbirth and the puerperium (O00–O99)	49	0.4	0.4	Non-Hispanic white, both sexes, 55–64 years				
...	All other causes (residual)	1,651	14.3	12.6	...	All causes	220,255	100.0	855.0
Non-Hispanic white, both sexes, 25–34 years					1	Malignant neoplasms (C00–C97)	80,232	36.4	311.4
...	All causes	24,852	100.0	101.6	2	Diseases of heart (I00–I09,I11,I13,I20–I51)	48,535	22.0	188.4
2	Intentional self-harm (suicide) (*U03,X60–X84,Y87.0)	3,977	16.0	16.3	3	Chronic lower respiratory diseases (J40–J47)	12,097	5.5	47.0
3	Malignant neoplasms (C00–C97)	2,084	8.4	8.5	4	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	9,936	4.5	38.6
4	Diseases of heart (I00–I09,I11,I13,I20–I51)	1,723	6.9	7.0	5	Diabetes mellitus (E10–E14)	7,422	3.4	28.8
5	Assault (homicide) (*U01–*U02,X85–Y09,Y87.1)	1,084	4.4	4.4	6	Cerebrovascular diseases (I60–I69)	6,606	3.0	25.6
6	Diabetes mellitus (E10–E14)	313	1.3	1.3	7	Chronic liver disease and cirrhosis (K70,K73–K74)	6,351	2.9	24.7
7	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	258	1.0	1.1	8	Intentional self-harm (suicide) (*U03,X60–X84,Y87.0)	4,993	2.3	19.4
8	Cerebrovascular diseases (I60–I69)	248	1.0	1.0	9	Septicemia (A40–A41)	3,080	1.4	12.0
9	Chronic liver disease and cirrhosis (K70,K73–K74)	233	0.9	1.0	10	Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27)	2,648	1.2	10.3
10	Influenza and pneumonia (J09–J18) ⁴	211	0.8	0.9	...	All other causes (residual)	38,355	17.4	148.9
...	All other causes (residual)	4,515	18.2	18.4					

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Rank ¹	Cause of death (based on ICD-10, 2004), Hispanic origin, race, sex, and age	Number ²	Percent of total deaths	Death rate ²	Rank ¹	Cause of death (based on ICD-10, 2004), Hispanic origin, race, sex, and age	Number ²	Percent of total deaths	Death rate ²
Non-Hispanic white, both sexes, 65 years and over					Non-Hispanic white, both sexes, 85 years and over				
...	All causes	1,519,812	100.0	4,843.4	...	All causes	654,044	100.0	13,556.7
1	Diseases of heart . . . (I00-I09,I11,I13,I20-I51)	418,513	27.5	1,333.7	1	Diseases of heart . . . (I00-I09,I11,I13,I20-I51)	210,693	32.2	4,367.1
2	Malignant neoplasms . . . (C00-C97)	328,499	21.6	1,046.9	2	Malignant neoplasms . . . (C00-C97)	77,880	11.9	1,614.3
3	Chronic lower respiratory diseases . . . (J40-J47)	109,795	7.2	349.9	3	Cerebrovascular diseases . . . (I60-I69)	48,563	7.4	1,006.6
4	Cerebrovascular diseases . . . (I60-I69)	94,771	6.2	302.0	4	Alzheimer's disease . . . (G30)	46,725	7.1	968.5
5	Alzheimer's disease . . . (G30)	72,486	4.8	231.0	5	Chronic lower respiratory diseases . . . (J40-J47)	34,124	5.2	707.3
6	Influenza and pneumonia . . . (J09-J18) ⁴	40,547	2.7	129.2	6	Influenza and pneumonia . . . (J09-J18) ⁴	23,236	3.6	481.6
7	Diabetes mellitus . . . (E10-E14)	37,006	2.4	117.9	7	Accidents (unintentional injuries) . . . (V01-X59,Y85-Y86)	15,133	2.3	313.7
8	Accidents (unintentional injuries) . . . (V01-X59,Y85-Y86)	34,543	2.3	110.1	8	Nephritis, nephrotic syndrome and nephrosis . . . (N00-N07,N17-N19,N25-N27)	14,232	2.2	295.0
9	Nephritis, nephrotic syndrome and nephrosis . . . (N00-N07,N17-N19,N25-N27)	31,068	2.0	99.0	9	Diabetes mellitus . . . (E10-E14)	12,205	1.9	253.0
10	Septicemia . . . (A40-A41)	21,110	1.4	67.3	10	Essential hypertension and hypertensive renal disease . . . (I10,I12,I15)	9,110	1.4	188.8
...	All other causes . . . (residual)	331,474	21.8	1,056.4	...	All other causes . . . (residual)	162,143	24.8	3,360.8
Non-Hispanic white, both sexes, 65-74 years					Non-Hispanic white, male, all ages ³				
...	All causes	316,682	100.0	1,994.4	...	All causes	969,288	100.0	978.2
1	Malignant neoplasms . . . (C00-C97)	114,417	36.1	720.6	1	Diseases of heart . . . (I00-I09,I11,I13,I20-I51)	252,572	26.1	254.9
2	Diseases of heart . . . (I00-I09,I11,I13,I20-I51)	69,415	21.9	437.2	2	Malignant neoplasms . . . (C00-C97)	238,846	24.6	241.1
3	Chronic lower respiratory diseases . . . (J40-J47)	28,687	9.1	180.7	3	Chronic lower respiratory diseases . . . (J40-J47)	59,284	6.1	59.8
4	Cerebrovascular diseases . . . (I60-I69)	12,910	4.1	81.3	4	Accidents (unintentional injuries) . . . (V01-X59,Y85-Y86)	59,173	6.1	59.7
5	Diabetes mellitus . . . (E10-E14)	10,223	3.2	64.4	5	Cerebrovascular diseases . . . (I60-I69)	41,092	4.2	41.5
6	Accidents (unintentional injuries) . . . (V01-X59,Y85-Y86)	7,257	2.3	45.7	6	Diabetes mellitus . . . (E10-E14)	25,303	2.6	25.5
7	Nephritis, nephrotic syndrome and nephrosis . . . (N00-N07,N17-N19,N25-N27)	5,355	1.7	33.7	7	Intentional self-harm (suicide) . . . (*U03,X60-X84,Y87.0)	23,835	2.5	24.1
8	Influenza and pneumonia . . . (J09-J18) ⁴	4,681	1.5	29.5	8	Alzheimer's disease . . . (G30)	21,780	2.2	22.0
9	Septicemia . . . (A40-A41)	4,633	1.5	29.2	9	Influenza and pneumonia . . . (J09-J18) ⁴	20,516	2.1	20.7
10	Chronic liver disease and cirrhosis . . . (K70,K73-K74)	4,118	1.3	25.9	10	Nephritis, nephrotic syndrome and nephrosis . . . (N00-N07,N17-N19,N25-N27)	17,535	1.8	17.7
...	All other causes . . . (residual)	54,986	17.4	346.3	...	All other causes . . . (residual)	209,352	21.6	211.3
Non-Hispanic white, both sexes, 75-84 years					Non-Hispanic white, male, 1-4 years				
...	All causes	549,086	100.0	5,143.0	...	All causes	1,365	100.0	29.3
1	Diseases of heart . . . (I00-I09,I11,I13,I20-I51)	138,405	25.2	1,296.4	1	Accidents (unintentional injuries) . . . (V01-X59,Y85-Y86)	479	35.1	10.3
2	Malignant neoplasms . . . (C00-C97)	136,202	24.8	1,275.7	2	Congenital malformations, deformations and chromosomal abnormalities . . . (Q00-Q99)	136	10.0	2.9
3	Chronic lower respiratory diseases . . . (J40-J47)	46,984	8.6	440.1	3	Malignant neoplasms . . . (C00-C97)	127	9.3	2.7
4	Cerebrovascular diseases . . . (I60-I69)	33,298	6.1	311.9	4	Assault (homicide) . . . (*U01-*U02,X85-Y09,Y87.1)	100	7.3	2.1
5	Alzheimer's disease . . . (G30)	22,140	4.0	207.4	5	Diseases of heart . . . (I00-I09,I11,I13,I20-I51)	39	2.9	0.8
6	Diabetes mellitus . . . (E10-E14)	14,578	2.7	136.5	6	Influenza and pneumonia . . . (J09-J18) ⁴	27	2.0	0.6
7	Influenza and pneumonia . . . (J09-J18) ⁴	12,630	2.3	118.3	7	Septicemia . . . (A40-A41)	17	1.2	*
8	Accidents (unintentional injuries) . . . (V01-X59,Y85-Y86)	12,153	2.2	113.8	8	Chronic lower respiratory diseases . . . (J40-J47)	14	1.0	*
9	Nephritis, nephrotic syndrome and nephrosis . . . (N00-N07,N17-N19,N25-N27)	11,481	2.1	107.5	9	In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior . . . (D00-D48)	13	1.0	*
10	Septicemia . . . (A40-A41)	8,411	1.5	78.8	9	Cerebrovascular diseases . . . (I60-I69)	13	1.0	*
...	All other causes . . . (residual)	112,804	20.5	1,056.6	...	All other causes . . . (residual)	400	29.3	8.6

See footnotes at end of table.

Table 2. Deaths, percentage of total deaths, and death rates for the 10 leading causes of death in selected age groups, by Hispanic origin, race for non-Hispanic population, and sex: United States, 2008—Con.

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

Rank ¹	Cause of death (based on ICD-10, 2004), Hispanic origin, race, sex, and age	Number ²	Percent of total deaths	Death rate ²	Rank ¹	Cause of death (based on ICD-10, 2004), Hispanic origin, race, sex, and age	Number ²	Percent of total deaths	Death rate ²
Non-Hispanic white, male, 5–9 years					Non-Hispanic white, male, 20–24 years				
...	All causes	737	100.0	12.5	...	All causes	8,635	100.0	128.1
1	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	288	39.1	4.9	1	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	4,677	54.2	69.4
2	Malignant neoplasms (C00–C97)	127	17.2	2.2	2	Intentional self-harm (suicide) (*U03,X60–X84,Y87.0)	1,625	18.8	24.1
3	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	44	6.0	0.7	3	Assault (homicide) (*U01–*U02,X85–Y09,Y87.1)	447	5.2	6.6
4	Diseases of heart (I00–I09,I11,I13,I20–I51)	32	4.3	0.5	4	Malignant neoplasms (C00–C97)	361	4.2	5.4
5	Assault (homicide) (*U01–*U02,X85–Y09,Y87.1)	24	3.3	0.4	5	Diseases of heart (I00–I09,I11,I13,I20–I51)	236	2.7	3.5
6	In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior (D00–D48)	17	2.3	*	6	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	76	0.9	1.1
7	Cerebrovascular diseases (I60–I69)	12	1.6	*	7	Influenza and pneumonia (J09–J18) [†]	64	0.7	0.9
8	Influenza and pneumonia (J09–J18) [†]	10	1.4	*	8	Diabetes mellitus (E10–E14)	52	0.6	0.8
9	Chronic lower respiratory diseases (J40–J47)	9	1.2	*	9	Cerebrovascular diseases (I60–I69)	38	0.4	0.6
10	Septicemia (A40–A41)	6	0.8	*	10	Chronic lower respiratory diseases (J40–J47)	23	0.3	0.3
10	Diabetes mellitus (E10–E14)	6	0.8	*	10	Legal intervention (Y35,Y89.0)	23	0.3	0.3
...	All other causes (residual)	162	22.0	2.7	...	All other causes (residual)	1,013	11.7	15.0
Non-Hispanic white, male, 10–14 years					Non-Hispanic white, male, 25–34 years				
...	All causes	1,069	100.0	17.5	...	All causes	17,330	100.0	140.4
1	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	417	39.0	6.8	1	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	7,732	44.6	62.6
2	Malignant neoplasms (C00–C97)	137	12.8	2.2	2	Intentional self-harm (suicide) (*U03,X60–X84,Y87.0)	3,202	18.5	25.9
3	Intentional self-harm (suicide) (*U03,X60–X84,Y87.0)	106	9.9	1.7	3	Diseases of heart (I00–I09,I11,I13,I20–I51)	1,188	6.9	9.6
4	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	42	3.9	0.7	4	Malignant neoplasms (C00–C97)	1,063	6.1	8.6
5	Diseases of heart (I00–I09,I11,I13,I20–I51)	37	3.5	0.6	5	Assault (homicide) (*U01–*U02,X85–Y09,Y87.1)	783	4.5	6.3
5	Assault (homicide) (*U01–*U02,X85–Y09,Y87.1)	37	3.5	0.6	6	Diabetes mellitus (E10–E14)	182	1.1	1.5
7	Influenza and pneumonia (J09–J18) [†]	17	1.6	*	7	Chronic liver disease and cirrhosis (K70,K73–K74)	150	0.9	1.2
8	Septicemia (A40–A41)	11	1.0	*	8	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	140	0.8	1.1
8	In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior (D00–D48)	11	1.0	*	9	Cerebrovascular diseases (I60–I69)	134	0.8	1.1
10	Cerebrovascular diseases (I60–I69)	9	0.8	*	10	Influenza and pneumonia (J09–J18) [†]	117	0.7	0.9
...	All other causes (residual)	245	22.9	4.0	...	All other causes (residual)	2,639	15.2	21.4
Non-Hispanic white, male, 15–19 years					Non-Hispanic white, male, 35–44 years				
...	All causes	4,940	100.0	73.4	...	All causes	30,810	100.0	225.3
1	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	2,705	54.8	40.2	1	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	8,158	26.5	59.7
2	Intentional self-harm (suicide) (*U03,X60–X84,Y87.0)	905	18.3	13.4	2	Diseases of heart (I00–I09,I11,I13,I20–I51)	5,108	16.6	37.4
3	Assault (homicide) (*U01–*U02,X85–Y09,Y87.1)	242	4.9	3.6	3	Intentional self-harm (suicide) (*U03,X60–X84,Y87.0)	4,215	13.7	30.8
4	Malignant neoplasms (C00–C97)	223	4.5	3.3	4	Malignant neoplasms (C00–C97)	3,663	11.9	26.8
5	Diseases of heart (I00–I09,I11,I13,I20–I51)	115	2.3	1.7	5	Chronic liver disease and cirrhosis (K70,K73–K74)	1,089	3.5	8.0
6	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	87	1.8	1.3	6	Assault (homicide) (*U01–*U02,X85–Y09,Y87.1)	722	2.3	5.3
7	Cerebrovascular diseases (I60–I69)	27	0.5	0.4	7	Human immunodeficiency virus (HIV) disease (B20–B24)	662	2.1	4.8
8	In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior (D00–D48)	25	0.5	0.4	8	Diabetes mellitus (E10–E14)	645	2.1	4.7
9	Influenza and pneumonia (J09–J18) [†]	20	0.4	0.3	9	Cerebrovascular diseases (I60–I69)	525	1.7	3.8
10	Diabetes mellitus (E10–E14)	17	0.3	*	10	Influenza and pneumonia (J09–J18) [†]	288	0.9	2.1
...	All other causes (residual)	574	11.6	8.5	...	All other causes (residual)	5,735	18.6	41.9

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Table 2. Deaths, percentage of total deaths, and death rates for the 10 leading causes of death in selected age groups, by Hispanic origin, race for non-Hispanic population, and sex: United States, 2008—Con.

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Rank ¹	Cause of death (based on ICD-10, 2004), Hispanic origin, race, sex, and age	Number ²	Percent of total deaths	Death rate ²	Rank ¹	Cause of death (based on ICD-10, 2004), Hispanic origin, race, sex, and age	Number ²	Percent of total deaths	Death rate ²
Non-Hispanic white, male, 45–54 years					Non-Hispanic white, male, 65–74 years				
...	All causes	81,331	100.0	515.8	...	All causes	178,730	100.0	2,413.0
1	Diseases of heart . . . (I00–I09,I11,I13,I20–I51)	19,308	23.7	122.4	1	Malignant neoplasms(C00–C97)	62,924	35.2	849.5
2	Malignant neoplasms(C00–C97)	18,717	23.0	118.7	2	Diseases of heart . . . (I00–I09,I11,I13,I20–I51)	44,081	24.7	595.1
3	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	10,515	12.9	66.7	3	Chronic lower respiratory diseases (J40–J47)	14,313	8.0	193.2
4	Intentional self-harm (suicide) (*U03,X60–X84,Y87.0)	5,512	6.8	35.0	4	Cerebrovascular diseases(I60–I69)	6,648	3.7	89.8
5	Chronic liver disease and cirrhosis (K70,K73–K74)	4,084	5.0	25.9	5	Diabetes mellitus(E10–E14)	5,834	3.3	78.8
6	Diabetes mellitus(E10–E14)	2,237	2.8	14.2	6	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	4,593	2.6	62.0
7	Cerebrovascular diseases(I60–I69)	1,768	2.2	11.2	7	Nephritis, nephrotic syndrome and nephrosis . . . (N00–N07,N17–N19,N25–N27)	2,921	1.6	39.4
8	Chronic lower respiratory diseases (J40–J47)	1,736	2.1	11.0	8	Influenza and pneumonia(J09–J18) ⁴	2,610	1.5	35.2
9	Viral hepatitis(B15–B19)	1,323	1.6	8.4	9	Chronic liver disease and cirrhosis (K70,K73–K74)	2,595	1.5	35.0
10	Human immunodeficiency virus (HIV) disease(B20–B24)	961	1.2	6.1	10	Septicemia(A40–A41)	2,327	1.3	31.4
...	All other causes(residual)	15,170	18.7	96.2	...	All other causes(residual)	29,884	16.7	403.5
Non-Hispanic white, male, 55–64 years					Non-Hispanic white, male, 75–84 years				
...	All causes	134,290	100.0	1,067.2	...	All causes	272,482	100.0	6,166.5
1	Malignant neoplasms(C00–C97)	44,417	33.1	353.0	1	Diseases of heart . . . (I00–I09,I11,I13,I20–I51)	72,515	26.6	1,641.1
2	Diseases of heart . . . (I00–I09,I11,I13,I20–I51)	34,524	25.7	274.4	2	Malignant neoplasms(C00–C97)	71,808	26.4	1,625.1
3	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	6,789	5.1	54.0	3	Chronic lower respiratory diseases (J40–J47)	22,596	8.3	511.4
4	Chronic lower respiratory diseases (J40–J47)	6,284	4.7	49.9	4	Cerebrovascular diseases(I60–I69)	14,218	5.2	321.8
5	Chronic liver disease and cirrhosis (K70,K73–K74)	4,529	3.4	36.0	5	Alzheimer's disease(G30)	8,143	3.0	184.3
6	Diabetes mellitus(E10–E14)	4,514	3.4	35.9	6	Diabetes mellitus(E10–E14)	7,181	2.6	162.5
7	Intentional self-harm (suicide) (*U03,X60–X84,Y87.0)	3,859	2.9	30.7	7	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	6,430	2.4	145.5
8	Cerebrovascular diseases(I60–I69)	3,700	2.8	29.4	8	Influenza and pneumonia(J09–J18) ⁴	6,297	2.3	142.5
9	Septicemia(A40–A41)	1,630	1.2	13.0	9	Nephritis, nephrotic syndrome and nephrosis . . . (N00–N07,N17–N19,N25–N27)	6,002	2.2	135.8
10	Nephritis, nephrotic syndrome and nephrosis . . . (N00–N07,N17–N19,N25–N27)	1,520	1.1	12.1	10	Parkinson's disease(G20–G21)	5,243	1.9	118.7
...	All other causes(residual)	22,524	16.8	179.0	...	All other causes(residual)	52,049	19.1	1,177.9
Non-Hispanic white, male, 65 years and over					Non-Hispanic white, male, 85 years and over				
...	All causes	681,707	100.0	5,090.6	...	All causes	230,495	100.0	14,721.8
1	Diseases of heart . . . (I00–I09,I11,I13,I20–I51)	191,887	28.1	1,432.9	1	Diseases of heart . . . (I00–I09,I11,I13,I20–I51)	75,291	32.7	4,808.9
2	Malignant neoplasms(C00–C97)	169,984	24.9	1,269.3	2	Malignant neoplasms(C00–C97)	35,252	15.3	2,251.6
3	Chronic lower respiratory diseases (J40–J47)	50,901	7.5	380.1	3	Chronic lower respiratory diseases (J40–J47)	13,992	6.1	893.7
4	Cerebrovascular diseases(I60–I69)	34,836	5.1	260.1	4	Cerebrovascular diseases(I60–I69)	13,970	6.1	892.3
5	Alzheimer's disease(G30)	21,452	3.1	160.2	5	Alzheimer's disease(G30)	11,767	5.1	751.6
6	Diabetes mellitus(E10–E14)	17,643	2.6	131.7	6	Influenza and pneumonia(J09–J18) ⁴	8,658	3.8	553.0
7	Influenza and pneumonia(J09–J18) ⁴	17,565	2.6	131.2	7	Nephritis, nephrotic syndrome and nephrosis . . . (N00–N07,N17–N19,N25–N27)	6,049	2.6	386.4
8	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	17,026	2.5	127.1	8	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	6,003	2.6	383.4
9	Nephritis, nephrotic syndrome and nephrosis . . . (N00–N07,N17–N19,N25–N27)	14,972	2.2	111.8	9	Diabetes mellitus(E10–E14)	4,628	2.0	295.6
10	Parkinson's disease(G20–G21)	10,589	1.6	79.1	10	Parkinson's disease(G20–G21)	3,903	1.7	249.3
...	All other causes(residual)	134,852	19.8	1,007.0	...	All other causes(residual)	50,982	22.1	3,256.2

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Rank ¹	Cause of death (based on ICD-10, 2004), Hispanic origin, race, sex, and age	Number ²	Percent of total deaths	Death rate ²	Rank ¹	Cause of death (based on ICD-10, 2004), Hispanic origin, race, sex, and age	Number ²	Percent of total deaths	Death rate ²
Non-Hispanic white, female, all ages ³					Non-Hispanic white, female, 10-14 years				
...	All causes	1,011,746	100.0	985.5	...	All causes	676	100.0	11.7
1	Diseases of heart . . . (I00-I09,I11,I13,I20-I51)	250,524	24.8	244.0	1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	203	30.0	3.5
2	Malignant neoplasms (C00-C97)	218,238	21.6	212.6	2	Malignant neoplasms (C00-C97)	112	16.6	1.9
3	Chronic lower respiratory diseases (J40-J47)	66,862	6.6	65.1	3	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	39	5.8	0.7
4	Cerebrovascular diseases (I60-I69)	65,042	6.4	63.4	4	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	38	5.6	0.7
5	Alzheimer's disease (G30)	51,439	5.1	50.1	5	Diseases of heart . . . (I00-I09,I11,I13,I20-I51)	33	4.9	0.6
6	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	35,549	3.5	34.6	6	Assault (homicide) . . . (*U01-*U02,X85-Y09,Y87.1)	26	3.8	0.4
7	Influenza and pneumonia (J09-J18) ⁴	25,264	2.5	24.6	7	Cerebrovascular diseases (I60-I69)	17	2.5	*
8	Diabetes mellitus (E10-E14)	24,085	2.4	23.5	7	Influenza and pneumonia (J09-J18) ⁴	17	2.5	*
9	Nephritis, nephrotic syndrome and nephrosis . . . (N00-N07,N17-N19,N25-N27)	17,904	1.8	17.4	9	Septicemia (A40-A41)	10	1.5	*
10	Septicemia (A40-A41)	14,600	1.4	14.2	10	In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior (D00-D48)	7	1.0	*
...	All other causes (residual)	242,239	23.9	236.0	...	All other causes (residual)	174	25.7	3.0
Non-Hispanic white, female, 1-4 years					Non-Hispanic white, female, 15-19 years				
...	All causes	1,008	100.0	22.7	...	All causes	2,106	100.0	33.0
1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	309	30.7	7.0	1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	1,179	56.0	18.5
2	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	120	11.9	2.7	2	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	200	9.5	3.1
3	Malignant neoplasms (C00-C97)	98	9.7	2.2	3	Malignant neoplasms (C00-C97)	157	7.5	2.5
4	Assault (homicide) . . . (*U01-*U02,X85-Y09,Y87.1)	68	6.7	1.5	4	Assault (homicide) . . . (*U01-*U02,X85-Y09,Y87.1)	82	3.9	1.3
5	Diseases of heart . . . (I00-I09,I11,I13,I20-I51)	41	4.1	0.9	5	Diseases of heart . . . (I00-I09,I11,I13,I20-I51)	57	2.7	0.9
6	Influenza and pneumonia (J09-J18) ⁴	33	3.3	0.7	6	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	42	2.0	0.7
7	Septicemia (A40-A41)	24	2.4	0.5	7	Influenza and pneumonia (J09-J18) ⁴	18	0.9	*
8	Cerebrovascular diseases (I60-I69)	17	1.7	*	8	Cerebrovascular diseases (I60-I69)	16	0.8	*
9	In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior (D00-D48)	14	1.4	*	9	Septicemia (A40-A41)	14	0.7	*
10	Chronic lower respiratory diseases (J40-J47)	8	0.8	*	9	Pregnancy, childbirth and the puerperium (O00-O99)	14	0.7	*
...	All other causes (residual)	276	27.4	6.2	...	All other causes (residual)	327	15.5	5.1
Non-Hispanic white, female, 5-9 years					Non-Hispanic white, female, 20-24 years				
...	All causes	588	100.0	10.5	...	All causes	2,879	100.0	45.0
1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	183	31.1	3.3	1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	1,350	46.9	21.1
2	Malignant neoplasms (C00-C97)	133	22.6	2.4	2	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	295	10.2	4.6
3	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	45	7.7	0.8	3	Malignant neoplasms (C00-C97)	208	7.2	3.3
4	Assault (homicide) . . . (*U01-*U02,X85-Y09,Y87.1)	17	2.9	*	4	Assault (homicide) . . . (*U01-*U02,X85-Y09,Y87.1)	143	5.0	2.2
5	Diseases of heart . . . (I00-I09,I11,I13,I20-I51)	15	2.6	*	5	Diseases of heart . . . (I00-I09,I11,I13,I20-I51)	103	3.6	1.6
6	In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior (D00-D48)	14	2.4	*	6	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	61	2.1	1.0
7	Cerebrovascular diseases (I60-I69)	9	1.5	*	7	Pregnancy, childbirth and the puerperium (O00-O99)	49	1.7	0.8
8	Certain conditions originating in the perinatal period (P00-P96)	8	1.4	*	8	Septicemia (A40-A41)	30	1.0	0.5
9	Chronic lower respiratory diseases (J40-J47)	6	1.0	*	9	Diabetes mellitus (E10-E14)	29	1.0	0.5
10	Septicemia (A40-A41)	5	0.9	*	10	Cerebrovascular diseases (I60-I69)	26	0.9	0.4
10	Influenza and pneumonia (J09-J18) ⁴	5	0.9	*	...	All other causes (residual)	585	20.3	9.1
...	All other causes (residual)	148	25.2	2.6					

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

Rank ¹	Cause of death (based on ICD-10, 2004), Hispanic origin, race, sex, and age	Number ²	Percent of total deaths	Death rate ²	Rank ¹	Cause of death (based on ICD-10, 2004), Hispanic origin, race, sex, and age	Number ²	Percent of total deaths	Death rate ²
Non-Hispanic white, female, 25–34 years					Non-Hispanic white, female, 55–64 years				
...	All causes	7,522	100.0	62.0	...	All causes	85,965	100.0	652.3
1	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	2,474	32.9	20.4	1	Malignant neoplasms (C00–C97)	35,815	41.7	271.8
2	Malignant neoplasms (C00–C97)	1,021	13.6	8.4	2	Diseases of heart (I00–I09,I11,I13,I20–I51)	14,011	16.3	106.3
3	Intentional self-harm (suicide) (*U03,X60–X84,Y87.0)	775	10.3	6.4	3	Chronic lower respiratory diseases (J40–J47)	5,813	6.8	44.1
4	Diseases of heart (I00–I09,I11,I13,I20–I51)	535	7.1	4.4	4	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	3,147	3.7	23.9
5	Assault (homicide) (*U01–*U02,X85–Y09,Y87.1)	301	4.0	2.5	5	Diabetes mellitus (E10–E14)	2,908	3.4	22.1
6	Pregnancy, childbirth and the puerperium (O00–O99)	147	2.0	1.2	6	Cerebrovascular diseases (I60–I69)	2,906	3.4	22.1
7	Diabetes mellitus (E10–E14)	131	1.7	1.1	7	Chronic liver disease and cirrhosis (K70,K73–K74)	1,822	2.1	13.8
8	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	118	1.6	1.0	8	Septicemia (A40–A41)	1,450	1.7	11.0
9	Cerebrovascular diseases (I60–I69)	114	1.5	0.9	9	Intentional self-harm (suicide) (*U03,X60–X84,Y87.0)	1,134	1.3	8.6
10	Influenza and pneumonia (J09–J18) ⁴	94	1.2	0.8	10	Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27)	1,128	1.3	8.6
...	All other causes (residual)	1,812	24.1	14.9	...	All other causes (residual)	15,831	18.4	120.1
Non-Hispanic white, female, 35–44 years					Non-Hispanic white, female, 65 years and over				
...	All causes	18,281	100.0	134.4	...	All causes	838,105	100.0	4,659.3
1	Malignant neoplasms (C00–C97)	4,583	25.1	33.7	1	Diseases of heart (I00–I09,I11,I13,I20–I51)	226,626	27.0	1,259.9
2	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	3,707	20.3	27.2	2	Malignant neoplasms (C00–C97)	158,515	18.9	881.2
3	Diseases of heart (I00–I09,I11,I13,I20–I51)	2,082	11.4	15.3	3	Cerebrovascular diseases (I60–I69)	59,935	7.2	333.2
4	Intentional self-harm (suicide) (*U03,X60–X84,Y87.0)	1,356	7.4	10.0	4	Chronic lower respiratory diseases (J40–J47)	58,894	7.0	327.4
5	Chronic liver disease and cirrhosis (K70,K73–K74)	598	3.3	4.4	5	Alzheimer's disease (G30)	51,034	6.1	283.7
6	Cerebrovascular diseases (I60–I69)	480	2.6	3.5	6	Influenza and pneumonia (J09–J18) ⁴	22,982	2.7	127.8
7	Diabetes mellitus (E10–E14)	391	2.1	2.9	7	Diabetes mellitus (E10–E14)	19,363	2.3	107.6
8	Assault (homicide) (*U01–*U02,X85–Y09,Y87.1)	336	1.8	2.5	8	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	17,517	2.1	97.4
9	Chronic lower respiratory diseases (J40–J47)	287	1.6	2.1	9	Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27)	16,096	1.9	89.5
10	Septicemia (A40–A41)	262	1.4	1.9	10	Septicemia (A40–A41)	11,945	1.4	66.4
...	All other causes (residual)	4,199	23.0	30.9	...	All other causes (residual)	195,198	23.3	1,085.2
Non-Hispanic white, female, 45–54 years					Non-Hispanic white, female, 65–74 years				
...	All causes	49,092	100.0	306.5	...	All causes	137,952	100.0	1,628.5
1	Malignant neoplasms (C00–C97)	17,583	35.8	109.8	1	Malignant neoplasms (C00–C97)	51,493	37.3	607.9
2	Diseases of heart (I00–I09,I11,I13,I20–I51)	6,935	14.1	43.3	2	Diseases of heart (I00–I09,I11,I13,I20–I51)	25,334	18.4	299.1
3	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	5,182	10.6	32.4	3	Chronic lower respiratory diseases (J40–J47)	14,374	10.4	169.7
4	Intentional self-harm (suicide) (*U03,X60–X84,Y87.0)	1,830	3.7	11.4	4	Cerebrovascular diseases (I60–I69)	6,262	4.5	73.9
5	Chronic liver disease and cirrhosis (K70,K73–K74)	1,809	3.7	11.3	5	Diabetes mellitus (E10–E14)	4,389	3.2	51.8
6	Chronic lower respiratory diseases (J40–J47)	1,753	3.6	10.9	6	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	2,664	1.9	31.4
7	Cerebrovascular diseases (I60–I69)	1,481	3.0	9.2	7	Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27)	2,434	1.8	28.7
8	Diabetes mellitus (E10–E14)	1,241	2.5	7.7	8	Septicemia (A40–A41)	2,306	1.7	27.2
9	Septicemia (A40–A41)	719	1.5	4.5	9	Alzheimer's disease (G30)	2,079	1.5	24.5
10	Influenza and pneumonia (J09–J18) ⁴	692	1.4	4.3	10	Influenza and pneumonia (J09–J18) ⁴	2,071	1.5	24.4
...	All other causes (residual)	9,867	20.1	61.6	...	All other causes (residual)	24,546	17.8	289.8

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Table 2. Deaths, percentage of total deaths, and death rates for the 10 leading causes of death in selected age groups, by Hispanic origin, race for non-Hispanic population, and sex: United States, 2008—Con.

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Rank ¹	Cause of death (based on ICD-10, 2004), Hispanic origin, race, sex, and age	Number ²	Percent of total deaths	Death rate ²	Rank ¹	Cause of death (based on ICD-10, 2004), Hispanic origin, race, sex, and age	Number ²	Percent of total deaths	Death rate ²
Non-Hispanic white, female, 75–84 years					Non-Hispanic black, both sexes, 1–4 years				
...	All causes	276,604	100.0	4,420.2	...	All causes	1,076	100.0	44.2
1	Diseases of heart . . . (I00–I09,I11,I13,I20–I51)	65,890	23.8	1,052.9	1	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	282	26.2	11.6
2	Malignant neoplasms (C00–C97)	64,394	23.3	1,029.0	2	Assault (homicide) (*U01–*U02,X85–Y09,Y87.1)	151	14.0	6.2
3	Chronic lower respiratory diseases (J40–J47)	24,388	8.8	389.7	3	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	112	10.4	4.6
4	Cerebrovascular diseases (I60–I69)	19,080	6.9	304.9	4	Diseases of heart . . . (I00–I09,I11,I13,I20–I51)	64	5.9	2.6
5	Alzheimer's disease (G30)	13,997	5.1	223.7	5	Malignant neoplasms (C00–C97)	51	4.7	2.1
6	Diabetes mellitus (E10–E14)	7,397	2.7	118.2	6	Influenza and pneumonia (J09–J18) ⁴	44	4.1	1.8
7	Influenza and pneumonia (J09–J18) ⁴	6,333	2.3	101.2	7	Chronic lower respiratory diseases (J40–J47)	22	2.0	0.9
8	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	5,723	2.1	91.5	8	Septicemia (A40–A41)	21	2.0	0.9
9	Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27)	5,479	2.0	87.6	9	Anemias (D50–D64)	18	1.7	*
10	Septicemia (A40–A41)	4,498	1.6	71.9	10	Certain conditions originating in the perinatal period (P00–P96)	15	1.4	*
...	All other causes (residual)	59,425	21.5	949.6	...	All other causes (residual)	296	27.5	12.2
Non-Hispanic white, female, 85 years and over					Non-Hispanic black, both sexes, 5–9 years				
...	All causes	423,549	100.0	12,996.9	...	All causes	560	100.0	19.0
1	Diseases of heart . . . (I00–I09,I11,I13,I20–I51)	135,402	32.0	4,154.9	1	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	196	35.0	6.6
2	Malignant neoplasms (C00–C97)	42,628	10.1	1,308.1	2	Malignant neoplasms (C00–C97)	77	13.8	2.6
3	Alzheimer's disease (G30)	34,958	8.3	1,072.7	3	Assault (homicide) (*U01–*U02,X85–Y09,Y87.1)	39	7.0	1.3
4	Cerebrovascular diseases (I60–I69)	34,593	8.2	1,061.5	4	Chronic lower respiratory diseases (J40–J47)	31	5.5	1.0
5	Chronic lower respiratory diseases (J40–J47)	20,132	4.8	617.8	4	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	31	5.5	1.0
6	Influenza and pneumonia (J09–J18) ⁴	14,578	3.4	447.3	6	Diseases of heart . . . (I00–I09,I11,I13,I20–I51)	22	3.9	0.7
7	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	9,130	2.2	280.2	7	In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior (D00–D48)	15	2.7	*
8	Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27)	8,183	1.9	251.1	8	Cerebrovascular diseases (I60–I69)	11	2.0	*
9	Diabetes mellitus (E10–E14)	7,577	1.8	232.5	9	Influenza and pneumonia (J09–J18) ⁴	9	1.6	*
10	Essential hypertension and hypertensive renal disease (I10,I12,I15)	6,585	1.6	202.1	10	Anemias (D50–D64)	8	1.4	*
...	All other causes (residual)	109,783	25.9	3,368.8	...	All other causes (residual)	121	21.6	4.1
Non-Hispanic black, both sexes, all ages ³					Non-Hispanic black, both sexes, 10–14 years				
...	All causes	285,522	100.0	745.2	...	All causes	698	100.0	22.8
1	Diseases of heart . . . (I00–I09,I11,I13,I20–I51)	69,918	24.5	182.5	1	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	184	26.4	6.0
2	Malignant neoplasms (C00–C97)	63,279	22.2	165.2	2	Assault (homicide) (*U01–*U02,X85–Y09,Y87.1)	94	13.5	3.1
3	Cerebrovascular diseases (I60–I69)	16,527	5.8	43.1	3	Malignant neoplasms (C00–C97)	71	10.2	2.3
4	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	12,215	4.3	31.9	4	Diseases of heart . . . (I00–I09,I11,I13,I20–I51)	42	6.0	1.4
5	Diabetes mellitus (E10–E14)	11,934	4.2	31.1	4	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	42	6.0	1.4
6	Chronic lower respiratory diseases (J40–J47)	8,679	3.0	22.7	6	Chronic lower respiratory diseases (J40–J47)	41	5.9	1.3
7	Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27)	8,564	3.0	22.4	7	Intentional self-harm (suicide) (*U03,X60–X84,Y87.0)	28	4.0	0.9
8	Assault (homicide) (*U01–*U02,X85–Y09,Y87.1)	8,206	2.9	21.4	8	Diabetes mellitus (E10–E14)	10	1.4	*
9	Septicemia (A40–A41)	6,359	2.2	16.6	9	Cerebrovascular diseases (I60–I69)	8	1.1	*
10	Human immunodeficiency virus (HIV) disease (B20–B24)	5,686	2.0	14.8	10	Influenza and pneumonia (J09–J18) ⁴	7	1.0	*
...	All other causes (residual)	74,155	26.0	193.6	...	All other causes (residual)	171	24.5	5.6

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Rank ¹	Cause of death (based on ICD-10, 2004), Hispanic origin, race, sex, and age	Number ²	Percent of total deaths	Death rate ²	Rank ¹	Cause of death (based on ICD-10, 2004), Hispanic origin, race, sex, and age	Number ²	Percent of total deaths	Death rate ²
Non-Hispanic black, both sexes, 15–19 years					Non-Hispanic black, both sexes, 35–44 years				
...	All causes	2,806	100.0	82.3	...	All causes	15,579	100.0	291.5
1	Assault (homicide) (*U01–*U02,X85–Y09,Y87.1)	1,217	43.4	35.7	1	Diseases of heart . . . (I00–I09,I11,I13,I20–I51)	2,872	18.4	53.7
2	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	632	22.5	18.5	2	Malignant neoplasms (C00–C97)	2,313	14.8	43.3
3	Intentional self-harm (suicide) (*U03,X60–X84,Y87.0)	189	6.7	5.5	3	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	1,838	11.8	34.4
4	Diseases of heart . . . (I00–I09,I11,I13,I20–I51)	129	4.6	3.8	4	Human immunodeficiency virus (HIV) disease (B20–B24)	1,542	9.9	28.9
5	Malignant neoplasms (C00–C97)	111	4.0	3.3	5	Assault (homicide) (*U01–*U02,X85–Y09,Y87.1)	1,203	7.7	22.5
6	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	53	1.9	1.6	6	Cerebrovascular diseases (I60–I69)	613	3.9	11.5
7	Chronic lower respiratory diseases (J40–J47)	37	1.3	1.1	7	Diabetes mellitus (E10–E14)	522	3.4	9.8
8	Human immunodeficiency virus (HIV) disease (B20–B24)	21	0.7	0.6	8	Intentional self-harm (suicide) (*U03,X60–X84,Y87.0)	392	2.5	7.3
8	Anemias (D50–D64)	21	0.7	0.6	9	Nephritis, nephrotic syndrome and nephrosis . . . (N00–N07,N17–N19,N25–N27)	301	1.9	5.6
10	Septicemia (A40–A41)	17	0.6	*	10	Septicemia (A40–A41)	247	1.6	4.6
10	Pregnancy, childbirth and the puerperium (O00–O99)	17	0.6	*	...	All other causes (residual)	3,736	24.0	69.9
...	All other causes (residual)	362	12.9	10.6	Non-Hispanic black, both sexes, 45–54 years				
Non-Hispanic black, both sexes, 20–24 years					...	All causes	35,527	100.0	682.0
...	All causes	4,286	100.0	138.4	1	Malignant neoplasms (C00–C97)	8,654	24.4	166.1
1	Assault (homicide) (*U01–*U02,X85–Y09,Y87.1)	1,775	41.4	57.3	2	Diseases of heart . . . (I00–I09,I11,I13,I20–I51)	8,200	23.1	157.4
2	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	848	19.8	27.4	3	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	2,504	7.0	48.1
3	Intentional self-harm (suicide) (*U03,X60–X84,Y87.0)	312	7.3	10.1	4	Human immunodeficiency virus (HIV) disease (B20–B24)	2,018	5.7	38.7
4	Diseases of heart . . . (I00–I09,I11,I13,I20–I51)	243	5.7	7.8	5	Cerebrovascular diseases (I60–I69)	1,898	5.3	36.4
5	Malignant neoplasms (C00–C97)	169	3.9	5.5	6	Diabetes mellitus (E10–E14)	1,344	3.8	25.8
6	Human immunodeficiency virus (HIV) disease (B20–B24)	92	2.1	3.0	7	Chronic liver disease and cirrhosis (K70,K73–K74)	820	2.3	15.7
7	Diabetes mellitus (E10–E14)	51	1.2	1.6	8	Nephritis, nephrotic syndrome and nephrosis . . . (N00–N07,N17–N19,N25–N27)	801	2.3	15.4
8	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	50	1.2	1.6	9	Assault (homicide) (*U01–*U02,X85–Y09,Y87.1)	760	2.1	14.6
9	Anemias (D50–D64)	43	1.0	1.4	10	Septicemia (A40–A41)	705	2.0	13.5
10	Pregnancy, childbirth and the puerperium (O00–O99)	39	0.9	1.3	...	All other causes (residual)	7,823	22.0	150.2
...	All other causes (residual)	664	15.5	21.4	Non-Hispanic black, both sexes, 55–64 years				
Non-Hispanic black, both sexes, 25–34 years					...	All causes	48,228	100.0	1,416.8
...	All causes	9,116	100.0	166.0	1	Malignant neoplasms (C00–C97)	14,841	30.8	436.0
1	Assault (homicide) (*U01–*U02,X85–Y09,Y87.1)	2,439	26.8	44.4	2	Diseases of heart . . . (I00–I09,I11,I13,I20–I51)	12,295	25.5	361.2
2	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	1,543	16.9	28.1	3	Cerebrovascular diseases (I60–I69)	2,542	5.3	74.7
3	Diseases of heart . . . (I00–I09,I11,I13,I20–I51)	1,043	11.4	19.0	4	Diabetes mellitus (E10–E14)	2,280	4.7	67.0
4	Human immunodeficiency virus (HIV) disease (B20–B24)	603	6.6	11.0	5	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	1,591	3.3	46.7
5	Malignant neoplasms (C00–C97)	567	6.2	10.3	6	Nephritis, nephrotic syndrome and nephrosis . . . (N00–N07,N17–N19,N25–N27)	1,501	3.1	44.1
6	Intentional self-harm (suicide) (*U03,X60–X84,Y87.0)	491	5.4	8.9	7	Chronic lower respiratory diseases (J40–J47)	1,343	2.8	39.5
7	Diabetes mellitus (E10–E14)	173	1.9	3.1	8	Septicemia (A40–A41)	1,068	2.2	31.4
8	Cerebrovascular diseases (I60–I69)	142	1.6	2.6	9	Human immunodeficiency virus (HIV) disease (B20–B24)	1,066	2.2	31.3
9	Anemias (D50–D64)	125	1.4	2.3	10	Chronic liver disease and cirrhosis (K70,K73–K74)	849	1.8	24.9
10	Septicemia (A40–A41)	113	1.2	2.1	...	All other causes (residual)	8,852	18.4	260.0
...	All other causes (residual)	1,877	20.6	34.2					

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Non-Hispanic black, both sexes, 65 years and over					Non-Hispanic black, both sexes, 85 years and over				
...	All causes	159,439	100.0	4,888.0	...	All causes	49,738	100.0	12,239.0
1	Diseases of heart . . . (I00–I09,I11,I13,I20–I51)	44,893	28.2	1,376.3	1	Diseases of heart . . . (I00–I09,I11,I13,I20–I51)	15,343	30.8	3,775.4
2	Malignant neoplasms . . . (C00–C97)	36,409	22.8	1,116.2	2	Malignant neoplasms . . . (C00–C97)	6,672	13.4	1,641.8
3	Cerebrovascular diseases . . . (I60–I69)	11,219	7.0	343.9	3	Cerebrovascular diseases . . . (I60–I69)	3,885	7.8	956.0
4	Diabetes mellitus . . . (E10–E14)	7,532	4.7	230.9	4	Alzheimer's disease . . . (G30)	2,875	5.8	707.5
5	Chronic lower respiratory diseases . . . (J40–J47)	6,189	3.9	189.7	5	Diabetes mellitus . . . (E10–E14)	1,758	3.5	432.6
6	Nephritis, nephrotic syndrome and nephrosis . . . (N00–N07,N17–N19,N25–N27)	5,780	3.6	177.2	6	Nephritis, nephrotic syndrome and nephrosis . . . (N00–N07,N17–N19,N25–N27)	1,730	3.5	425.7
7	Alzheimer's disease . . . (G30)	4,956	3.1	151.9	7	Chronic lower respiratory diseases . . . (J40–J47)	1,604	3.2	394.7
8	Septicemia . . . (A40–A41)	4,043	2.5	123.9	8	Influenza and pneumonia . . . (J09–J18) ⁴	1,530	3.1	376.5
9	Influenza and pneumonia . . . (J09–J18) ⁴	3,816	2.4	117.0	9	Essential hypertension and hypertensive renal disease . . . (I10,I12,I15)	1,241	2.5	305.4
10	Essential hypertension and hypertensive renal disease . . . (I10,I12,I15)	3,322	2.1	101.8	10	Septicemia . . . (A40–A41)	1,230	2.5	302.7
...	All other causes . . . (residual)	31,280	19.6	959.0	...	All other causes . . . (residual)	11,870	23.9	2,920.8
Non-Hispanic black, both sexes, 65–74 years					Non-Hispanic black, male, all ages ³				
...	All causes	51,220	100.0	2,787.1	...	All causes	145,168	100.0	794.3
1	Malignant neoplasms . . . (C00–C97)	15,965	31.2	868.7	1	Diseases of heart . . . (I00–I09,I11,I13,I20–I51)	34,965	24.1	191.3
2	Diseases of heart . . . (I00–I09,I11,I13,I20–I51)	13,395	26.2	728.9	2	Malignant neoplasms . . . (C00–C97)	32,654	22.5	178.7
3	Cerebrovascular diseases . . . (I60–I69)	3,032	5.9	165.0	3	Accidents (unintentional injuries) . . . (V01–X59,Y85–Y86)	8,282	5.7	45.3
4	Diabetes mellitus . . . (E10–E14)	2,851	5.6	155.1	4	Cerebrovascular diseases . . . (I60–I69)	7,135	4.9	39.0
5	Chronic lower respiratory diseases . . . (J40–J47)	2,100	4.1	114.3	5	Assault (homicide) . . . (*U01–*U02,X85–Y09,Y87.1)	7,047	4.9	38.6
6	Nephritis, nephrotic syndrome and nephrosis . . . (N00–N07,N17–N19,N25–N27)	1,938	3.8	105.5	6	Diabetes mellitus . . . (E10–E14)	5,378	3.7	29.4
7	Septicemia . . . (A40–A41)	1,264	2.5	68.8	7	Chronic lower respiratory diseases . . . (J40–J47)	4,497	3.1	24.6
8	Essential hypertension and hypertensive renal disease . . . (I10,I12,I15)	909	1.8	49.5	8	Nephritis, nephrotic syndrome and nephrosis . . . (N00–N07,N17–N19,N25–N27)	3,893	2.7	21.3
9	Influenza and pneumonia . . . (J09–J18) ⁴	885	1.7	48.2	9	Human immunodeficiency virus (HIV) disease . . . (B20–B24)	3,724	2.6	20.4
10	Accidents (unintentional injuries) . . . (V01–X59,Y85–Y86)	876	1.7	47.7	10	Septicemia . . . (A40–A41)	2,841	2.0	15.5
...	All other causes . . . (residual)	8,005	15.6	435.6	...	All other causes . . . (residual)	34,752	23.9	190.2
Non-Hispanic black, both sexes, 75–84 years					Non-Hispanic black, male, 1–4 years				
...	All causes	58,481	100.0	5,746.4	...	All causes	619	100.0	50.0
1	Diseases of heart . . . (I00–I09,I11,I13,I20–I51)	16,155	27.6	1,587.4	1	Accidents (unintentional injuries) . . . (V01–X59,Y85–Y86)	170	27.5	13.7
2	Malignant neoplasms . . . (C00–C97)	13,772	23.5	1,353.3	2	Assault (homicide) . . . (*U01–*U02,X85–Y09,Y87.1)	90	14.5	7.3
3	Cerebrovascular diseases . . . (I60–I69)	4,302	7.4	422.7	3	Congenital malformations, deformations and chromosomal abnormalities . . . (Q00–Q99)	64	10.3	5.2
4	Diabetes mellitus . . . (E10–E14)	2,923	5.0	287.2	4	Diseases of heart . . . (I00–I09,I11,I13,I20–I51)	35	5.7	2.8
5	Chronic lower respiratory diseases . . . (J40–J47)	2,485	4.2	244.2	5	Malignant neoplasms . . . (C00–C97)	32	5.2	2.6
6	Nephritis, nephrotic syndrome and nephrosis . . . (N00–N07,N17–N19,N25–N27)	2,112	3.6	207.5	6	Influenza and pneumonia . . . (J09–J18) ⁴	26	4.2	2.1
7	Alzheimer's disease . . . (G30)	1,685	2.9	165.6	7	Septicemia . . . (A40–A41)	11	1.8	*
8	Septicemia . . . (A40–A41)	1,549	2.6	152.2	7	Chronic lower respiratory diseases . . . (J40–J47)	11	1.8	*
9	Influenza and pneumonia . . . (J09–J18) ⁴	1,401	2.4	137.7	9	Anemias . . . (D50–D64)	9	1.5	*
10	Essential hypertension and hypertensive renal disease . . . (I10,I12,I15)	1,172	2.0	115.2	10	Cerebrovascular diseases . . . (I60–I69)	8	1.3	*
...	All other causes . . . (residual)	10,925	18.7	1,073.5	...	All other causes . . . (residual)	163	26.3	13.2

See footnotes at end of table.

Table 2. Deaths, percentage of total deaths, and death rates for the 10 leading causes of death in selected age groups, by Hispanic origin, race for non-Hispanic population, and sex: United States, 2008—Con.

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

Rank ¹	Cause of death (based on ICD-10, 2004), Hispanic origin, race, sex, and age	Number ²	Percent of total deaths	Death rate ²	Rank ¹	Cause of death (based on ICD-10, 2004), Hispanic origin, race, sex, and age	Number ²	Percent of total deaths	Death rate ²
Non-Hispanic black, male, 5–9 years					Non-Hispanic black, male, 20–24 years				
...	All causes	336	100.0	22.4	...	All causes	3,279	100.0	209.5
1	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	121	36.0	8.1	1	Assault (homicide) (*U01–*U02,X85–Y09,Y87.1)	1,588	48.4	101.5
2	Malignant neoplasms (C00–C97)	37	11.0	2.5	2	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	632	19.3	40.4
3	Chronic lower respiratory diseases (J40–J47)	25	7.4	1.7	3	Intentional self-harm (suicide) (*U03,X60–X84,Y87.0)	265	8.1	16.9
4	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	23	6.8	1.5	4	Diseases of heart (I00–I09,I11,I13,I20–I51)	167	5.1	10.7
5	Assault (homicide) (*U01–*U02,X85–Y09,Y87.1)	20	6.0	1.3	5	Malignant neoplasms (C00–C97)	94	2.9	6.0
6	In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior (D00–D48)	12	3.6	*	6	Human immunodeficiency virus (HIV) disease (B20–B24)	52	1.6	3.3
7	Diseases of heart (I00–I09,I11,I13,I20–I51)	10	3.0	*	7	Diabetes mellitus (E10–E14)	33	1.0	2.1
8	Cerebrovascular diseases (I60–I69)	7	2.1	*	7	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	33	1.0	2.1
8	Influenza and pneumonia (J09–J18) ⁴	7	2.1	*	9	Anemias (D50–D64)	30	0.9	1.9
10	Anemias (D50–D64)	4	1.2	*	10	Legal intervention (Y35,Y89.0)	26	0.8	1.7
...	All other causes (residual)	70	20.8	4.7	...	All other causes (residual)	359	10.9	22.9
Non-Hispanic black, male, 10–14 years					Non-Hispanic black, male, 25–34 years				
...	All causes	414	100.0	26.6	...	All causes	6,248	100.0	234.1
1	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	121	29.2	7.8	1	Assault (homicide) (*U01–*U02,X85–Y09,Y87.1)	2,190	35.1	82.0
2	Assault (homicide) (*U01–*U02,X85–Y09,Y87.1)	63	15.2	4.0	2	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	1,171	18.7	43.9
3	Malignant neoplasms (C00–C97)	31	7.5	2.0	3	Diseases of heart (I00–I09,I11,I13,I20–I51)	634	10.1	23.8
4	Diseases of heart (I00–I09,I11,I13,I20–I51)	25	6.0	1.6	4	Intentional self-harm (suicide) (*U03,X60–X84,Y87.0)	413	6.6	15.5
5	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	23	5.6	1.5	5	Human immunodeficiency virus (HIV) disease (B20–B24)	334	5.3	12.5
6	Intentional self-harm (suicide) (*U03,X60–X84,Y87.0)	20	4.8	1.3	6	Malignant neoplasms (C00–C97)	260	4.2	9.7
7	Chronic lower respiratory diseases (J40–J47)	19	4.6	*	7	Diabetes mellitus (E10–E14)	84	1.3	3.1
8	Diabetes mellitus (E10–E14)	7	1.7	*	8	Cerebrovascular diseases (I60–I69)	66	1.1	2.5
8	Cerebrovascular diseases (I60–I69)	7	1.7	*	9	Chronic lower respiratory diseases (J40–J47)	59	0.9	2.2
10	Septicemia (A40–A41)	3	0.7	*	10	Anemias (D50–D64)	56	0.9	2.1
10	Influenza and pneumonia (J09–J18) ⁴	3	0.7	*	...	All other causes (residual)	981	15.7	36.8
...	All other causes (residual)	92	22.2	5.9	Non-Hispanic black, male, 35–44 years				
Non-Hispanic black, male, 15–19 years					...	All causes	9,070	100.0	361.1
...	All causes	2,144	100.0	124.1	1	Diseases of heart (I00–I09,I11,I13,I20–I51)	1,780	19.6	70.9
1	Assault (homicide) (*U01–*U02,X85–Y09,Y87.1)	1,084	50.6	62.7	2	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	1,297	14.3	51.6
2	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	469	21.9	27.1	3	Assault (homicide) (*U01–*U02,X85–Y09,Y87.1)	1,002	11.0	39.9
3	Intentional self-harm (suicide) (*U03,X60–X84,Y87.0)	152	7.1	8.8	4	Human immunodeficiency virus (HIV) disease (B20–B24)	934	10.3	37.2
4	Diseases of heart (I00–I09,I11,I13,I20–I51)	88	4.1	5.1	5	Malignant neoplasms (C00–C97)	891	9.8	35.5
5	Malignant neoplasms (C00–C97)	69	3.2	4.0	6	Intentional self-harm (suicide) (*U03,X60–X84,Y87.0)	323	3.6	12.9
6	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	30	1.4	1.7	7	Cerebrovascular diseases (I60–I69)	302	3.3	12.0
7	Chronic lower respiratory diseases (J40–J47)	20	0.9	1.2	8	Diabetes mellitus (E10–E14)	293	3.2	11.7
8	Anemias (D50–D64)	13	0.6	*	9	Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27)	168	1.9	6.7
9	Septicemia (A40–A41)	10	0.5	*	10	Septicemia (A40–A41)	137	1.5	5.5
9	Legal intervention (Y35,Y89.0)	10	0.5	*	...	All other causes (residual)	1,943	21.4	77.4
...	All other causes (residual)	199	9.3	11.5					

See footnotes at end of table.

Table 2. Deaths, percentage of total deaths, and death rates for the 10 leading causes of death in selected age groups, by Hispanic origin, race for non-Hispanic population, and sex: United States, 2008—Con.

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

Rank ¹	Cause of death (based on ICD-10, 2004), Hispanic origin, race, sex, and age	Number ²	Percent of total deaths	Death rate ²	Rank ¹	Cause of death (based on ICD-10, 2004), Hispanic origin, race, sex, and age	Number ²	Percent of total deaths	Death rate ²
Non-Hispanic black, male, 45–54 years					Non-Hispanic black, male, 65–74 years				
...	All causes	20,404	100.0	848.5	...	All causes	27,653	100.0	3,610.9
1	Diseases of heart (I00–I09,I11,I13,I20–I51)	4,971	24.4	206.7	1	Malignant neoplasms (C00–C97)	8,650	31.3	1,129.5
2	Malignant neoplasms (C00–C97)	4,272	20.9	177.6	2	Diseases of heart (I00–I09,I11,I13,I20–I51)	7,651	27.7	999.1
3	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	1,739	8.5	72.3	3	Cerebrovascular diseases (I60–I69)	1,609	5.8	210.1
4	Human immunodeficiency virus (HIV) disease (B20–B24)	1,377	6.7	57.3	4	Diabetes mellitus (E10–E14)	1,350	4.9	176.3
5	Cerebrovascular diseases (I60–I69)	1,015	5.0	42.2	5	Chronic lower respiratory diseases (J40–J47)	1,152	4.2	150.4
6	Diabetes mellitus (E10–E14)	753	3.7	31.3	6	Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27)	934	3.4	122.0
7	Assault (homicide) (*U01–*U02,X85–Y09,Y87.1)	631	3.1	26.2	7	Septicemia (A40–A41)	600	2.2	78.3
8	Chronic liver disease and cirrhosis (K70,K73–K74)	547	2.7	22.7	8	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	579	2.1	75.6
9	Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27)	436	2.1	18.1	9	Influenza and pneumonia (J09–J18) ^d	458	1.7	59.8
10	Septicemia (A40–A41)	358	1.8	14.9	10	Essential hypertension and hypertensive renal disease (I10,I12,I15)	442	1.6	57.7
...	All other causes (residual)	4,305	21.1	179.0	...	All other causes (residual)	4,228	15.3	552.1
Non-Hispanic black, male, 55–64 years					Non-Hispanic black, male, 75–84 years				
...	All causes	28,344	100.0	1,869.1	...	All causes	26,761	100.0	7,234.0
1	Malignant neoplasms (C00–C97)	8,269	29.2	545.3	1	Diseases of heart (I00–I09,I11,I13,I20–I51)	7,386	27.6	1,996.6
2	Diseases of heart (I00–I09,I11,I13,I20–I51)	7,647	27.0	504.3	2	Malignant neoplasms (C00–C97)	7,088	26.5	1,916.0
3	Cerebrovascular diseases (I60–I69)	1,400	4.9	92.3	3	Cerebrovascular diseases (I60–I69)	1,676	6.3	453.1
4	Diabetes mellitus (E10–E14)	1,200	4.2	79.1	4	Chronic lower respiratory diseases (J40–J47)	1,328	5.0	359.0
5	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	1,162	4.1	76.6	5	Diabetes mellitus (E10–E14)	1,176	4.4	317.9
6	Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27)	813	2.9	53.6	6	Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27)	898	3.4	242.7
7	Human immunodeficiency virus (HIV) disease (B20–B24)	785	2.8	51.8	7	Influenza and pneumonia (J09–J18) ^d	678	2.5	183.3
8	Chronic lower respiratory diseases (J40–J47)	737	2.6	48.6	8	Septicemia (A40–A41)	653	2.4	176.5
9	Chronic liver disease and cirrhosis (K70,K73–K74)	615	2.2	40.6	9	Alzheimer's disease (G30)	574	2.1	155.2
10	Septicemia (A40–A41)	551	1.9	36.3	10	Essential hypertension and hypertensive renal disease (I10,I12,I15)	460	1.7	124.3
...	All other causes (residual)	5,165	18.2	340.6	...	All other causes (residual)	4,844	18.1	1,309.4
Non-Hispanic black, male, 65 years and over					Non-Hispanic black, male, 85 years and over				
...	All causes	69,750	100.0	5,552.9	...	All causes	15,336	100.0	12,742.6
1	Diseases of heart (I00–I09,I11,I13,I20–I51)	19,543	28.0	1,555.9	1	Diseases of heart (I00–I09,I11,I13,I20–I51)	4,506	29.4	3,744.0
2	Malignant neoplasms (C00–C97)	18,687	26.8	1,487.7	2	Malignant neoplasms (C00–C97)	2,949	19.2	2,450.3
3	Cerebrovascular diseases (I60–I69)	4,286	6.1	341.2	3	Cerebrovascular diseases (I60–I69)	1,001	6.5	831.7
4	Chronic lower respiratory diseases (J40–J47)	3,162	4.5	251.7	4	Chronic lower respiratory diseases (J40–J47)	682	4.4	566.7
5	Diabetes mellitus (E10–E14)	2,997	4.3	238.6	5	Alzheimer's disease (G30)	614	4.0	510.2
6	Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27)	2,386	3.4	190.0	6	Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27)	554	3.6	460.3
7	Septicemia (A40–A41)	1,648	2.4	131.2	7	Influenza and pneumonia (J09–J18) ^d	503	3.3	417.9
8	Influenza and pneumonia (J09–J18) ^d	1,639	2.3	130.5	8	Diabetes mellitus (E10–E14)	471	3.1	391.4
9	Alzheimer's disease (G30)	1,363	2.0	108.5	9	Septicemia (A40–A41)	395	2.6	328.2
10	Essential hypertension and hypertensive renal disease (I10,I12,I15)	1,221	1.8	97.2	10	Essential hypertension and hypertensive renal disease (I10,I12,I15)	319	2.1	265.1
...	All other causes (residual)	12,818	18.4	1,020.5	...	All other causes (residual)	3,342	21.8	2,776.9

See footnotes at end of table.

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

Rank ¹	Cause of death (based on ICD-10, 2004), Hispanic origin, race, sex, and age	Number ²	Percent of total deaths	Death rate ²	Rank ¹	Cause of death (based on ICD-10, 2004), Hispanic origin, race, sex, and age	Number ²	Percent of total deaths	Death rate ²
Non-Hispanic black, female, all ages ³					Non-Hispanic black, female, 10–14 years				
...	All causes	140,354	100.0	700.5	...	All causes	284	100.0	18.8
1	Diseases of heart (I00–I09,I11,I13,I20–I51)	34,953	24.9	174.4	1	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	63	22.2	4.2
2	Malignant neoplasms (C00–C97)	30,625	21.8	152.8	2	Malignant neoplasms (C00–C97)	40	14.1	2.7
3	Cerebrovascular diseases (I60–I69)	9,392	6.7	46.9	3	Assault (homicide) (*U01–*U02,X85–Y09,Y87.1)	31	10.9	2.1
4	Diabetes mellitus (E10–E14)	6,556	4.7	32.7	4	Chronic lower respiratory diseases (J40–J47)	22	7.7	1.5
5	Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27)	4,671	3.3	23.3	5	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	19	6.7	*
6	Chronic lower respiratory diseases (J40–J47)	4,182	3.0	20.9	6	Diseases of heart (I00–I09,I11,I13,I20–I51)	17	6.0	*
7	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	3,933	2.8	19.6	7	Intentional self-harm (suicide) (*U03,X60–X84,Y87.0)	8	2.8	*
8	Alzheimer's disease (G30)	3,630	2.6	18.1	8	In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior (D00–D48)	5	1.8	*
9	Septicemia (A40–A41)	3,518	2.5	17.6	9	Anemias (D50–D64)	4	1.4	*
10	Influenza and pneumonia (J09–J18) ⁴	2,854	2.0	14.2	9	Influenza and pneumonia (J09–J18) ⁴	4	1.4	*
...	All other causes (residual)	36,040	25.7	179.9	...	All other causes (residual)	71	25.0	4.7
Non-Hispanic black, female, 1–4 years					Non-Hispanic black, female, 15–19 years				
...	All causes	457	100.0	38.2	...	All causes	662	100.0	39.4
1	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	112	24.5	9.4	1	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	163	24.6	9.7
2	Assault (homicide) (*U01–*U02,X85–Y09,Y87.1)	61	13.3	5.1	2	Assault (homicide) (*U01–*U02,X85–Y09,Y87.1)	133	20.1	7.9
3	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	48	10.5	4.0	3	Malignant neoplasms (C00–C97)	42	6.3	2.5
4	Diseases of heart (I00–I09,I11,I13,I20–I51)	29	6.3	2.4	4	Diseases of heart (I00–I09,I11,I13,I20–I51)	41	6.2	2.4
5	Malignant neoplasms (C00–C97)	19	4.2	*	5	Intentional self-harm (suicide) (*U03,X60–X84,Y87.0)	37	5.6	2.2
6	Influenza and pneumonia (J09–J18) ⁴	18	3.9	*	6	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	23	3.5	1.4
7	Chronic lower respiratory diseases (J40–J47)	11	2.4	*	7	Chronic lower respiratory diseases (J40–J47)	17	2.6	*
8	Septicemia (A40–A41)	10	2.2	*	7	Pregnancy, childbirth and the puerperium (O00–O99)	17	2.6	*
9	Anemias (D50–D64)	9	2.0	*	9	Human immunodeficiency virus (HIV) disease (B20–B24)	14	2.1	*
10	Certain conditions originating in the perinatal period (P00–P96)	8	1.8	*	10	Anemias (D50–D64)	8	1.2	*
...	All other causes (residual)	132	28.9	11.0	10	Diabetes mellitus (E10–E14)	8	1.2	*
Non-Hispanic black, female, 5–9 years					...	All other causes (residual)	159	24.0	9.5
...	All causes	224	100.0	15.4	...	All other causes (residual)	159	24.0	9.5
1	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	75	33.5	5.2					
2	Malignant neoplasms (C00–C97)	40	17.9	2.8					
3	Assault (homicide) (*U01–*U02,X85–Y09,Y87.1)	19	8.5	*					
4	Diseases of heart (I00–I09,I11,I13,I20–I51)	12	5.4	*					
5	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	8	3.6	*					
6	Chronic lower respiratory diseases (J40–J47)	6	2.7	*					
7	Septicemia (A40–A41)	4	1.8	*					
7	Anemias (D50–D64)	4	1.8	*					
7	Cerebrovascular diseases (I60–I69)	4	1.8	*					
10	In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior (D00–D48)	3	1.3	*					
10	Certain conditions originating in the perinatal period (P00–P96)	3	1.3	*					
...	All other causes (residual)	46	20.5	3.2					

See footnotes at end of table.

Table 2. Deaths, percentage of total deaths, and death rates for the 10 leading causes of death in selected age groups, by Hispanic origin, race for non-Hispanic population, and sex: United States, 2008—Con.

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

Rank ¹	Cause of death (based on ICD-10, 2004), Hispanic origin, race, sex, and age	Number ²	Percent of total deaths	Death rate ²	Rank ¹	Cause of death (based on ICD-10, 2004), Hispanic origin, race, sex, and age	Number ²	Percent of total deaths	Death rate ²
Non-Hispanic black, female, 20–24 years					Non-Hispanic black, female, 45–54 years				
...	All causes	1,007	100.0	65.8	...	All causes	15,123	100.0	539.2
1	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	216	21.4	14.1	1	Malignant neoplasms (C00–C97)	4,382	29.0	156.2
2	Assault (homicide) (*U01–*U02,X85–Y09,Y87.1)	187	18.6	12.2	2	Diseases of heart (I00–I09,I11,I13,I20–I51)	3,229	21.4	115.1
3	Diseases of heart (I00–I09,I11,I13,I20–I51)	76	7.5	5.0	3	Cerebrovascular diseases (I60–I69)	883	5.8	31.5
4	Malignant neoplasms (C00–C97)	75	7.4	4.9	4	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	765	5.1	27.3
5	Intentional self-harm (suicide) (*U03,X60–X84,Y87.0)	47	4.7	3.1	5	Human immunodeficiency virus (HIV) disease (B20–B24)	641	4.2	22.9
6	Human immunodeficiency virus (HIV) disease (B20–B24)	40	4.0	2.6	6	Diabetes mellitus (E10–E14)	591	3.9	21.1
7	Pregnancy, childbirth and the puerperium (O00–O99)	39	3.9	2.5	7	Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27)	365	2.4	13.0
8	Diabetes mellitus (E10–E14)	18	1.8	*	8	Septicemia (A40–A41)	347	2.3	12.4
9	Influenza and pneumonia (J09–J18) ⁴	17	1.7	*	9	Chronic lower respiratory diseases (J40–J47)	336	2.2	12.0
9	Chronic lower respiratory diseases (J40–J47)	17	1.7	*	10	Chronic liver disease and cirrhosis (K70,K73–K74)	273	1.8	9.7
9	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	17	1.7	*	...	All other causes (residual)	3,311	21.9	118.1
...	All other causes (residual)	258	25.6	16.9	Non-Hispanic black, female, 55–64 years				
Non-Hispanic black, female, 25–34 years					...	All causes	19,884	100.0	1,053.4
...	All causes	2,868	100.0	101.6	1	Malignant neoplasms (C00–C97)	6,572	33.1	348.2
1	Diseases of heart (I00–I09,I11,I13,I20–I51)	409	14.3	14.5	2	Diseases of heart (I00–I09,I11,I13,I20–I51)	4,648	23.4	246.2
2	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	372	13.0	13.2	3	Cerebrovascular diseases (I60–I69)	1,142	5.7	60.5
3	Malignant neoplasms (C00–C97)	307	10.7	10.9	4	Diabetes mellitus (E10–E14)	1,080	5.4	57.2
4	Human immunodeficiency virus (HIV) disease (B20–B24)	269	9.4	9.5	5	Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27)	688	3.5	36.4
5	Assault (homicide) (*U01–*U02,X85–Y09,Y87.1)	249	8.7	8.8	6	Chronic lower respiratory diseases (J40–J47)	606	3.0	32.1
6	Pregnancy, childbirth and the puerperium (O00–O99)	105	3.7	3.7	7	Septicemia (A40–A41)	517	2.6	27.4
7	Diabetes mellitus (E10–E14)	89	3.1	3.2	8	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	429	2.2	22.7
8	Intentional self-harm (suicide) (*U03,X60–X84,Y87.0)	78	2.7	2.8	9	Essential hypertension and hypertensive renal disease (I10,I12,I15)	356	1.8	18.9
9	Cerebrovascular diseases (I60–I69)	76	2.6	2.7	10	Influenza and pneumonia (J09–J18) ⁴	283	1.4	15.0
10	Anemias (D50–D64)	69	2.4	2.4	...	All other causes (residual)	3,563	17.9	188.8
...	All other causes (residual)	845	29.5	29.9	Non-Hispanic black, female, 65 years and over				
Non-Hispanic black, female, 35–44 years					...	All causes	89,689	100.0	4,471.6
...	All causes	6,509	100.0	229.8	1	Diseases of heart (I00–I09,I11,I13,I20–I51)	25,350	28.3	1,263.9
1	Malignant neoplasms (C00–C97)	1,422	21.8	50.2	2	Malignant neoplasms (C00–C97)	17,722	19.8	883.6
2	Diseases of heart (I00–I09,I11,I13,I20–I51)	1,092	16.8	38.6	3	Cerebrovascular diseases (I60–I69)	6,933	7.7	345.7
3	Human immunodeficiency virus (HIV) disease (B20–B24)	608	9.3	21.5	4	Diabetes mellitus (E10–E14)	4,535	5.1	226.1
4	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	541	8.3	19.1	5	Alzheimer's disease (G30)	3,593	4.0	179.1
5	Cerebrovascular diseases (I60–I69)	311	4.8	11.0	6	Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27)	3,394	3.8	169.2
6	Diabetes mellitus (E10–E14)	229	3.5	8.1	7	Chronic lower respiratory diseases (J40–J47)	3,027	3.4	150.9
7	Assault (homicide) (*U01–*U02,X85–Y09,Y87.1)	201	3.1	7.1	8	Septicemia (A40–A41)	2,395	2.7	119.4
8	Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27)	133	2.0	4.7	9	Influenza and pneumonia (J09–J18) ⁴	2,177	2.4	108.5
9	Septicemia (A40–A41)	110	1.7	3.9	10	Essential hypertension and hypertensive renal disease (I10,I12,I15)	2,101	2.3	104.7
10	Chronic lower respiratory diseases (J40–J47)	99	1.5	3.5	...	All other causes (residual)	18,462	20.6	920.5
...	All other causes (residual)	1,763	27.1	62.3					

See footnotes at end of table.

Table 2. Deaths, percentage of total deaths, and death rates for the 10 leading causes of death in selected age groups, by Hispanic origin, race for non-Hispanic population, and sex: United States, 2008—Con.

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

Rank ¹	Cause of death (based on ICD-10, 2004), Hispanic origin, race, sex, and age	Number ²	Percent of total deaths	Death rate ²	Rank ¹	Cause of death (based on ICD-10, 2004), Hispanic origin, race, sex, and age	Number ²	Percent of total deaths	Death rate ²
Non-Hispanic black, female, 65–74 years					Non-Hispanic black, female, 85 years and over				
...	All causes	23,567	100.0	2,198.5	...	All causes	34,402	100.0	12,027.1
1	Malignant neoplasms(C00–C97)	7,315	31.0	682.4	1	Diseases of heart . . . (I00–I09,I11,I13,I20–I51)	10,837	31.5	3,788.7
2	Diseases of heart . . . (I00–I09,I11,I13,I20–I51)	5,744	24.4	535.9	2	Malignant neoplasms(C00–C97)	3,723	10.8	1,301.6
3	Diabetes mellitus(E10–E14)	1,501	6.4	140.0	3	Cerebrovascular diseases(I60–I69)	2,884	8.4	1,008.3
4	Cerebrovascular diseases(I60–I69)	1,423	6.0	132.7	4	Alzheimer's disease(G30)	2,261	6.6	790.5
5	Nephritis, nephrotic syndrome and nephrosis . . . (N00–N07,N17–N19,N25–N27)	1,004	4.3	93.7	5	Diabetes mellitus(E10–E14)	1,287	3.7	449.9
6	Chronic lower respiratory diseases(J40–J47)	948	4.0	88.4	6	Nephritis, nephrotic syndrome and nephrosis . . . (N00–N07,N17–N19,N25–N27)	1,176	3.4	411.1
7	Septicemia(A40–A41)	664	2.8	61.9	7	Influenza and pneumonia(J09–J18) ⁴	1,027	3.0	359.0
8	Essential hypertension and hypertensive renal disease(I10,I12,I15)	467	2.0	43.6	8	Essential hypertension and hypertensive renal disease(I10,I12,I15)	922	2.7	322.3
9	Influenza and pneumonia(J09–J18) ⁴	427	1.8	39.8	8	Chronic lower respiratory diseases(J40–J47)	922	2.7	322.3
10	Accidents (unintentional injuries)(V01–X59,Y85–Y86)	297	1.3	27.7	10	Septicemia(A40–A41)	835	2.4	291.9
...	All other causes(residual)	3,777	16.0	352.4	...	All other causes(residual)	8,528	24.8	2,981.4
Non-Hispanic black, female, 75–84 years									
...	All causes	31,720	100.0	4,896.9					
1	Diseases of heart . . . (I00–I09,I11,I13,I20–I51)	8,769	27.6	1,353.7					
2	Malignant neoplasms(C00–C97)	6,684	21.1	1,031.9					
3	Cerebrovascular diseases(I60–I69)	2,626	8.3	405.4					
4	Diabetes mellitus(E10–E14)	1,747	5.5	269.7					
5	Nephritis, nephrotic syndrome and nephrosis . . . (N00–N07,N17–N19,N25–N27)	1,214	3.8	187.4					
6	Chronic lower respiratory diseases(J40–J47)	1,157	3.6	178.6					
7	Alzheimer's disease(G30)	1,111	3.5	171.5					
8	Septicemia(A40–A41)	896	2.8	138.3					
9	Influenza and pneumonia(J09–J18) ⁴	723	2.3	111.6					
10	Essential hypertension and hypertensive renal disease(I10,I12,I15)	712	2.2	109.9					
...	All other causes(residual)	6,081	19.2	938.8					

... Category not applicable.

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

¹Based on number of deaths; see "Technical Notes."

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

³Includes deaths for "Under 1 year."

⁴ICD-10 code J09 (Influenza due to identified avian influenza virus) was added to the category in 2007.

Table 3. Infant, neonatal, and postneonatal deaths, percentage of total deaths, and mortality rates for the 10 leading causes of infant death, by race and sex: United States, 2008

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

Rank ¹	Cause of death (based on ICD–10, 2004), age, race, and sex	Number	Percent of total deaths	Mortality rate	Rank ¹	Cause of death (based on ICD–10, 2004), age, race, and sex	Number	Percent of total deaths	Mortality rate
Infants, all races, both sexes					Infants, white, both sexes				
...	All causes	28,059	100.0	660.6	...	All causes	18,164	100.0	554.8
1	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	5,638	20.1	132.7	1	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	4,291	23.6	131.1
2	Disorders related to short gestation and low birth weight, not elsewhere classified (P07)	4,754	16.9	111.9	2	Disorders related to short gestation and low birth weight, not elsewhere classified (P07)	2,656	14.6	81.1
3	Sudden infant death syndrome (R95)	2,353	8.4	55.4	3	Sudden infant death syndrome (R95)	1,497	8.2	45.7
4	Newborn affected by maternal complications of pregnancy (P01)	1,765	6.3	41.6	4	Newborn affected by maternal complications of pregnancy (P01)	1,124	6.2	34.3
5	Accidents (unintentional injuries) (V01–X59)	1,315	4.7	31.0	5	Accidents (unintentional injuries) (V01–X59)	846	4.7	25.8
6	Newborn affected by complications of placenta, cord and membranes (P02)	1,080	3.8	25.4	6	Newborn affected by complications of placenta, cord and membranes (P02)	697	3.8	21.3
7	Bacterial sepsis of newborn (P36)	700	2.5	16.5	7	Bacterial sepsis of newborn (P36)	433	2.4	13.2
8	Respiratory distress of newborn (P22)	630	2.2	14.8	8	Respiratory distress of newborn (P22)	391	2.2	11.9
9	Diseases of the circulatory system . . (I00–I99)	594	2.1	14.0	9	Diseases of the circulatory system . . (I00–I99)	385	2.1	11.8
10	Neonatal hemorrhage (P50–P52,P54)	556	2.0	13.1	10	Neonatal hemorrhage (P50–P52,P54)	365	2.0	11.1
...	All other causes (residual)	8,674	30.9	204.2	...	All other causes (residual)	5,479	30.2	167.3
Infants, all races, male					Infants, white, male				
...	All causes	15,669	100.0	720.9	...	All causes	10,151	100.0	605.4
1	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	2,967	18.9	136.5	1	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	2,262	22.3	134.9
2	Disorders related to short gestation and low birth weight, not elsewhere classified (P07)	2,677	17.1	123.2	2	Disorders related to short gestation and low birth weight, not elsewhere classified (P07)	1,496	14.7	89.2
3	Sudden infant death syndrome (R95)	1,379	8.8	63.4	3	Sudden infant death syndrome (R95)	887	8.7	52.9
4	Newborn affected by maternal complications of pregnancy (P01)	1,010	6.4	46.5	4	Newborn affected by maternal complications of pregnancy (P01)	659	6.5	39.3
5	Accidents (unintentional injuries) (V01–X59)	729	4.7	33.5	5	Accidents (unintentional injuries) (V01–X59)	483	4.8	28.8
6	Newborn affected by complications of placenta, cord and membranes (P02)	577	3.7	26.5	6	Newborn affected by complications of placenta, cord and membranes (P02)	370	3.6	22.1
7	Bacterial sepsis of newborn (P36)	398	2.5	18.3	7	Respiratory distress of newborn (P22)	245	2.4	14.6
8	Respiratory distress of newborn (P22)	381	2.4	17.5	8	Bacterial sepsis of newborn (P36)	242	2.4	14.4
9	Diseases of the circulatory system . . (I00–I99)	329	2.1	15.1	9	Neonatal hemorrhage (P50–P52,P54)	217	2.1	12.9
10	Neonatal hemorrhage (P50–P52,P54)	328	2.1	15.1	10	Diseases of the circulatory system . . (I00–I99)	206	2.0	12.3
...	All other causes (residual)	4,894	31.2	225.2	...	All other causes (residual)	3,084	30.4	183.9
Infants, all races, female					Infants, white, female				
...	All causes	12,390	100.0	597.3	...	All causes	8,013	100.0	501.6
1	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	2,671	21.6	128.8	1	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	2,029	25.3	127.0
2	Disorders related to short gestation and low birth weight, not elsewhere classified (P07)	2,077	16.8	100.1	2	Disorders related to short gestation and low birth weight, not elsewhere classified (P07)	1,160	14.5	72.6
3	Sudden infant death syndrome (R95)	974	7.9	47.0	3	Sudden infant death syndrome (R95)	610	7.6	38.2
4	Newborn affected by maternal complications of pregnancy (P01)	755	6.1	36.4	4	Newborn affected by maternal complications of pregnancy (P01)	465	5.8	29.1
5	Accidents (unintentional injuries) (V01–X59)	586	4.7	28.3	5	Accidents (unintentional injuries) (V01–X59)	363	4.5	22.7
6	Newborn affected by complications of placenta, cord and membranes (P02)	503	4.1	24.2	6	Newborn affected by complications of placenta, cord and membranes (P02)	327	4.1	20.5
7	Bacterial sepsis of newborn (P36)	302	2.4	14.6	7	Bacterial sepsis of newborn (P36)	191	2.4	12.0
8	Diseases of the circulatory system . . (I00–I99)	265	2.1	12.8	8	Diseases of the circulatory system . . (I00–I99)	179	2.2	11.2
9	Respiratory distress of newborn (P22)	249	2.0	12.0	9	Neonatal hemorrhage (P50–P52,P54)	148	1.8	9.3
10	Necrotizing enterocolitis of newborn . . . (P77)	233	1.9	11.2	10	Respiratory distress of newborn (P22)	146	1.8	9.1
...	All other causes (residual)	3,775	30.5	182.0	...	All other causes (residual)	2,395	29.9	149.9

See footnotes at end of table.

Table 3. Infant, neonatal, and postneonatal deaths, percentage of total deaths, and mortality rates for the 10 leading causes of infant death, by race and sex: United States, 2008—Con.

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

Rank ¹	Cause of death (based on ICD–10, 2004), age, race, and sex	Number	Percent of total deaths	Mortality rate	Rank ¹	Cause of death (based on ICD–10, 2004), age, race, and sex	Number	Percent of total deaths	Mortality rate
Infants, black, both sexes					Infants, American Indian or Alaska Native, both sexes				
...	All causes	8,543	100.0	1,273.5	...	All causes	403	100.0	813.5
1	Disorders related to short gestation and low birth weight, not elsewhere classified (P07)	1,881	22.0	280.4	1	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	78	19.4	157.5
2	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	1,069	12.5	159.4	2	Sudden infant death syndrome (R95)	49	12.2	98.9
3	Sudden infant death syndrome (R95)	758	8.9	113.0	3	Disorders related to short gestation and low birth weight, not elsewhere classified (P07)	36	8.9	72.7
4	Newborn affected by maternal complications of pregnancy (P01)	574	6.7	85.6	4	Accidents (unintentional injuries) (V01–X59)	31	7.7	62.6
5	Accidents (unintentional injuries) (V01–X59)	409	4.8	61.0	5	Newborn affected by complications of placenta, cord and membranes (P02)	19	4.7	*
6	Newborn affected by complications of placenta, cord and membranes (P02)	330	3.9	49.2	6	Newborn affected by maternal complications of pregnancy (P01)	17	4.2	*
7	Bacterial sepsis of newborn (P36)	226	2.6	33.7	7	Diseases of the circulatory system . . (I00–I99)	16	4.0	*
8	Respiratory distress of newborn (P22)	221	2.6	32.9	8	Assault (homicide) (*U01,X85–Y09)	11	2.7	*
8	Necrotizing enterocolitis of newborn . . . (P77)	221	2.6	32.9	9	Influenza and pneumonia (J09–J18) ²	9	2.2	*
10	Diseases of the circulatory system . . (I00–I99)	169	2.0	25.2	9	Bacterial sepsis of newborn (P36)	9	2.2	*
...	All other causes (residual)	2,685	31.4	400.3	...	All other causes (residual)	128	31.8	258.4
Infants, black, male					Infants, American Indian or Alaska Native, male				
...	All causes	4,748	100.0	1,392.8	...	All causes	234	100.0	928.7
1	Disorders related to short gestation and low birth weight, not elsewhere classified (P07)	1,062	22.4	311.5	1	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	52	22.2	206.4
2	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	544	11.5	159.6	2	Sudden infant death syndrome (R95)	21	9.0	83.3
3	Sudden infant death syndrome (R95)	439	9.2	128.8	3	Disorders related to short gestation and low birth weight, not elsewhere classified (P07)	17	7.3	*
4	Newborn affected by maternal complications of pregnancy (P01)	308	6.5	90.4	3	Accidents (unintentional injuries) (V01–X59)	17	7.3	*
5	Accidents (unintentional injuries) (V01–X59)	215	4.5	63.1	5	Diseases of the circulatory system . . (I00–I99)	10	4.3	*
6	Newborn affected by complications of placenta, cord and membranes (P02)	178	3.7	52.2	5	Newborn affected by maternal complications of pregnancy (P01)	10	4.3	*
7	Bacterial sepsis of newborn (P36)	132	2.8	38.7	5	Newborn affected by complications of placenta, cord and membranes (P02)	10	4.3	*
8	Respiratory distress of newborn (P22)	124	2.6	36.4	8	Bacterial sepsis of newborn (P36)	8	3.4	*
9	Necrotizing enterocolitis of newborn . . . (P77)	121	2.5	35.5	8	Assault (homicide) (*U01,X85–Y09)	8	3.4	*
10	Diseases of the circulatory system . . (I00–I99)	98	2.1	28.7	10	Influenza and pneumonia (J09–J18) ²	5	2.1	*
...	All other causes (residual)	1,527	32.2	448.0	10	Respiratory distress of newborn (P22)	5	2.1	*
Infants, black, female					...				
...	All causes	3,795	100.0	1,150.3	10	Neonatal hemorrhage (P50–P52,P54)	5	2.1	*
1	Disorders related to short gestation and low birth weight, not elsewhere classified (P07)	819	21.6	248.2	...	All other causes (residual)	66	28.2	261.9
2	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	525	13.8	159.1					
3	Sudden infant death syndrome (R95)	319	8.4	96.7					
4	Newborn affected by maternal complications of pregnancy (P01)	266	7.0	80.6					
5	Accidents (unintentional injuries) (V01–X59)	194	5.1	58.8					
6	Newborn affected by complications of placenta, cord and membranes (P02)	152	4.0	46.1					
7	Necrotizing enterocolitis of newborn . . . (P77)	100	2.6	30.3					
8	Respiratory distress of newborn (P22)	97	2.6	29.4					
9	Bacterial sepsis of newborn (P36)	94	2.5	28.5					
10	Diseases of the circulatory system . . (I00–I99)	71	1.9	21.5					
10	Neonatal hemorrhage (P50–P52,P54)	71	1.9	21.5					
...	All other causes (residual)	1,087	28.6	329.5					

See footnotes at end of table.

Table 3. Infant, neonatal, and postneonatal deaths, percentage of total deaths, and mortality rates for the 10 leading causes of infant death, by race and sex: United States, 2008—Con.

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

Rank ¹	Cause of death (based on ICD–10, 2004), age, race, and sex	Number	Percent of total deaths	Mortality rate	Rank ¹	Cause of death (based on ICD–10, 2004), age, race, and sex	Number	Percent of total deaths	Mortality rate
Infants, American Indian or Alaska Native, female					Infants, Asian or Pacific Islander, male				
...	All causes	169	100.0	694.3	...	All causes	536	100.0	410.4
1	Sudden infant death syndrome (R95)	28	16.6	115.0	1	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	109	20.3	83.5
2	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	26	15.4	106.8	2	Disorders related to short gestation and low birth weight, not elsewhere classified (P07)	102	19.0	78.1
3	Disorders related to short gestation and low birth weight, not elsewhere classified (P07)	19	11.2	*	3	Newborn affected by maternal complications of pregnancy (P01)	33	6.2	25.3
4	Accidents (unintentional injuries) (V01–X59)	14	8.3	*	4	Sudden infant death syndrome (R95)	32	6.0	24.5
5	Newborn affected by complications of placenta, cord and membranes (P02)	9	5.3	*	5	Newborn affected by complications of placenta, cord and membranes (P02)	19	3.5	*
6	Newborn affected by maternal complications of pregnancy (P01)	7	4.1	*	6	Bacterial sepsis of newborn (P36)	16	3.0	*
7	Diseases of the circulatory system (I00–I99)	6	3.6	*	7	Diseases of the circulatory system (I00–I99)	15	2.8	*
8	Influenza and pneumonia (J09–J18) ²	4	2.4	*	8	Accidents (unintentional injuries) (V01–X59)	14	2.6	*
9	Newborn affected by noxious influences transmitted via placenta or breast milk (P04)	3	1.8	*	9	Gastritis, duodenitis, and noninfective enteritis and colitis (K29,K50–K55)	12	2.2	*
9	Neonatal hemorrhage (P50–P52,P54)	3	1.8	*	9	Intrauterine hypoxia and birth asphyxia (P20–P21)	12	2.2	*
9	Assault (homicide) (*U01,X85–Y09)	3	1.8	*	...	All other causes (residual)	172	32.1	131.7
...	All other causes (residual)	47	27.8	193.1	Infants, Asian or Pacific Islander, female				
Infants, Asian or Pacific Islander, both sexes					...	All causes	413	100.0	336.9
...	All causes	949	100.0	374.8	1	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	91	22.0	74.2
1	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	200	21.1	79.0	2	Disorders related to short gestation and low birth weight, not elsewhere classified (P07)	79	19.1	64.4
2	Disorders related to short gestation and low birth weight, not elsewhere classified (P07)	181	19.1	71.5	3	Newborn affected by maternal complications of pregnancy (P01)	17	4.1	*
3	Newborn affected by maternal complications of pregnancy (P01)	50	5.3	19.7	3	Sudden infant death syndrome (R95)	17	4.1	*
4	Sudden infant death syndrome (R95)	49	5.2	19.4	5	Bacterial sepsis of newborn (P36)	16	3.9	*
5	Newborn affected by complications of placenta, cord and membranes (P02)	34	3.6	13.4	6	Newborn affected by complications of placenta, cord and membranes (P02)	15	3.6	*
6	Bacterial sepsis of newborn (P36)	32	3.4	12.6	6	Accidents (unintentional injuries) (V01–X59)	15	3.6	*
7	Accidents (unintentional injuries) (V01–X59)	29	3.1	11.5	8	Diseases of the circulatory system (I00–I99)	9	2.2	*
8	Diseases of the circulatory system (I00–I99)	24	2.5	9.5	8	Necrotizing enterocolitis of newborn (P77)	9	2.2	*
9	Intrauterine hypoxia and birth asphyxia (P20–P21)	17	1.8	*	10	Neonatal hemorrhage (P50–P52,P54)	6	1.5	*
9	Neonatal hemorrhage (P50–P52,P54)	17	1.8	*	10	Hydrops fetalis not due to hemolytic disease (P83.2)	6	1.5	*
9	Necrotizing enterocolitis of newborn (P77)	17	1.8	*	...	All other causes (residual)	133	32.2	108.5
...	All other causes (residual)	299	31.5	118.1					

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Table 3. Infant, neonatal, and postneonatal deaths, percentage of total deaths, and mortality rates for the 10 leading causes of infant death, by race and sex: United States, 2008—Con.

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

Rank ¹	Cause of death (based on ICD–10, 2004), age, race, and sex	Number	Percent of total deaths	Mortality rate	Rank ¹	Cause of death (based on ICD–10, 2004), age, race, and sex	Number	Percent of total deaths	Mortality rate
Neonates, all races, both sexes					Neonates, white, both sexes				
...	All causes	18,211	100.0	428.7	...	All causes	11,843	100.0	361.7
1	Disorders related to short gestation and low birth weight, not elsewhere classified (P07)	4,629	25.4	109.0	1	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	3,084	26.0	94.2
2	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	3,954	21.7	93.1	2	Disorders related to short gestation and low birth weight, not elsewhere classified (P07)	2,592	21.9	79.2
3	Newborn affected by maternal complications of pregnancy (P01)	1,743	9.6	41.0	3	Newborn affected by maternal complications of pregnancy (P01)	1,107	9.3	33.8
4	Newborn affected by complications of placenta, cord and membranes (P02)	1,067	5.9	25.1	4	Newborn affected by complications of placenta, cord and membranes (P02)	687	5.8	21.0
5	Bacterial sepsis of newborn (P36)	674	3.7	15.9	5	Bacterial sepsis of newborn (P36)	419	3.5	12.8
6	Respiratory distress of newborn (P22)	617	3.4	14.5	6	Respiratory distress of newborn (P22)	384	3.2	11.7
7	Neonatal hemorrhage (P50–P52,P54)	540	3.0	12.7	7	Neonatal hemorrhage (P50–P52,P54)	357	3.0	10.9
8	Necrotizing enterocolitis of newborn . . . (P77)	463	2.5	10.9	8	Necrotizing enterocolitis of newborn . . . (P77)	269	2.3	8.2
9	Intrauterine hypoxia and birth asphyxia (P20–P21)	364	2.0	8.6	9	Intrauterine hypoxia and birth asphyxia (P20–P21)	244	2.1	7.5
10	Atelectasis (P28.0–P28.1)	324	1.8	7.6	10	Atelectasis (P28.0–P28.1)	216	1.8	6.6
...	All other causes (residual)	3,836	21.1	90.3	...	All other causes (residual)	2,484	21.0	75.9
Neonates, all races, male					Neonates, white, male				
...	All causes	10,144	100.0	466.7	...	All causes	6,598	100.0	393.5
1	Disorders related to short gestation and low birth weight, not elsewhere classified (P07)	2,604	25.7	119.8	1	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	1,637	24.8	97.6
2	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	2,106	20.8	96.9	2	Disorders related to short gestation and low birth weight, not elsewhere classified (P07)	1,460	22.1	87.1
3	Newborn affected by maternal complications of pregnancy (P01)	996	9.8	45.8	3	Newborn affected by maternal complications of pregnancy (P01)	650	9.9	38.8
4	Newborn affected by complications of placenta, cord and membranes (P02)	569	5.6	26.2	4	Newborn affected by complications of placenta, cord and membranes (P02)	363	5.5	21.6
5	Bacterial sepsis of newborn (P36)	381	3.8	17.5	5	Respiratory distress of newborn (P22)	239	3.6	14.3
6	Respiratory distress of newborn (P22)	372	3.7	17.1	6	Bacterial sepsis of newborn (P36)	234	3.5	14.0
7	Neonatal hemorrhage (P50–P52,P54)	321	3.2	14.8	7	Neonatal hemorrhage (P50–P52,P54)	213	3.2	12.7
8	Necrotizing enterocolitis of newborn . . . (P77)	272	2.7	12.5	8	Necrotizing enterocolitis of newborn . . . (P77)	163	2.5	9.7
9	Intrauterine hypoxia and birth asphyxia (P20–P21)	219	2.2	10.1	9	Intrauterine hypoxia and birth asphyxia (P20–P21)	149	2.3	8.9
10	Atelectasis (P28.0–P28.1)	195	1.9	9.0	10	Atelectasis (P28.0–P28.1)	122	1.8	7.3
...	All other causes (residual)	2,109	20.8	97.0	...	All other causes (residual)	1,368	20.7	81.6
Neonates, all races, female					Neonates, white, female				
...	All causes	8,067	100.0	388.9	...	All causes	5,245	100.0	328.3
1	Disorders related to short gestation and low birth weight, not elsewhere classified (P07)	2,025	25.1	97.6	1	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	1,447	27.6	90.6
2	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	1,848	22.9	89.1	2	Disorders related to short gestation and low birth weight, not elsewhere classified (P07)	1,132	21.6	70.9
3	Newborn affected by maternal complications of pregnancy (P01)	747	9.3	36.0	3	Newborn affected by maternal complications of pregnancy (P01)	457	8.7	28.6
4	Newborn affected by complications of placenta, cord and membranes (P02)	498	6.2	24.0	4	Newborn affected by complications of placenta, cord and membranes (P02)	324	6.2	20.3
5	Bacterial sepsis of newborn (P36)	293	3.6	14.1	5	Bacterial sepsis of newborn (P36)	185	3.5	11.6
6	Respiratory distress of newborn (P22)	245	3.0	11.8	6	Respiratory distress of newborn (P22)	145	2.8	9.1
7	Neonatal hemorrhage (P50–P52,P54)	219	2.7	10.6	7	Neonatal hemorrhage (P50–P52,P54)	144	2.7	9.0
8	Necrotizing enterocolitis of newborn . . . (P77)	191	2.4	9.2	8	Necrotizing enterocolitis of newborn . . . (P77)	106	2.0	6.6
9	Intrauterine hypoxia and birth asphyxia (P20–P21)	145	1.8	7.0	9	Intrauterine hypoxia and birth asphyxia (P20–P21)	95	1.8	5.9
10	Atelectasis (P28.0–P28.1)	129	1.6	6.2	10	Atelectasis (P28.0–P28.1)	94	1.8	5.9
...	All other causes (residual)	1,727	21.4	83.3	...	All other causes (residual)	1,116	21.3	69.9

See footnotes at end of table.

Table 3. Infant, neonatal, and postneonatal deaths, percentage of total deaths, and mortality rates for the 10 leading causes of infant death, by race and sex: United States, 2008—Con.

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Rank ¹	Cause of death (based on ICD–10, 2004), age, race, and sex	Number	Percent of total deaths	Mortality rate	Rank ¹	Cause of death (based on ICD–10, 2004), age, race, and sex	Number	Percent of total deaths	Mortality rate
Neonates, black, both sexes					Neonates, American Indian or Alaska Native, both sexes				
...	All causes	5,523	100.0	823.3	...	All causes	203	100.0	409.8
1	Disorders related to short gestation and low birth weight, not elsewhere classified (P07)	1,826	33.1	272.2	1	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	51	25.1	103.0
2	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	685	12.4	102.1	2	Disorders related to short gestation and low birth weight, not elsewhere classified (P07)	33	16.3	66.6
3	Newborn affected by maternal complications of pregnancy (P01)	569	10.3	84.8	3	Newborn affected by complications of placenta, cord and membranes (P02)	19	9.4	*
4	Newborn affected by complications of placenta, cord and membranes (P02)	327	5.9	48.7	4	Newborn affected by maternal complications of pregnancy (P01)	17	8.4	*
5	Respiratory distress of newborn (P22)	216	3.9	32.2	5	Bacterial sepsis of newborn (P36)	9	4.4	*
5	Bacterial sepsis of newborn (P36)	216	3.9	32.2	6	Neonatal hemorrhage (P50–P52,P54)	8	3.9	*
7	Necrotizing enterocolitis of newborn . . . (P77)	177	3.2	26.4	7	Respiratory distress of newborn (P22)	6	3.0	*
8	Neonatal hemorrhage (P50–P52,P54)	158	2.9	23.6	8	Sudden infant death syndrome (R95)	5	2.5	*
9	Intrauterine hypoxia and birth asphyxia (P20–P21)	100	1.8	14.9	9	Intrauterine hypoxia and birth asphyxia (P20–P21)	4	2.0	*
10	Atelectasis (P28.0–P28.1)	98	1.8	14.6	9	Necrotizing enterocolitis of newborn . . . (P77)	4	2.0	*
...	All other causes (residual)	1,151	20.8	171.6	9	Accidents (unintentional injuries) (V01–X59)	4	2.0	*
Neonates, black, male					Neonates, American Indian or Alaska Native, male				
...	All causes	3,066	100.0	899.4	...	All causes	116	100.0	460.4
1	Disorders related to short gestation and low birth weight, not elsewhere classified (P07)	1,029	33.6	301.9	1	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	32	27.6	127.0
2	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	360	11.7	105.6	2	Disorders related to short gestation and low birth weight, not elsewhere classified (P07)	14	12.1	*
3	Newborn affected by maternal complications of pregnancy (P01)	303	9.9	88.9	3	Newborn affected by maternal complications of pregnancy (P01)	10	8.6	*
4	Newborn affected by complications of placenta, cord and membranes (P02)	177	5.8	51.9	3	Newborn affected by complications of placenta, cord and membranes (P02)	10	8.6	*
5	Bacterial sepsis of newborn (P36)	124	4.0	36.4	5	Bacterial sepsis of newborn (P36)	8	6.9	*
6	Respiratory distress of newborn (P22)	122	4.0	35.8	6	Respiratory distress of newborn (P22)	5	4.3	*
7	Necrotizing enterocolitis of newborn . . . (P77)	100	3.3	29.3	6	Neonatal hemorrhage (P50–P52,P54)	5	4.3	*
8	Neonatal hemorrhage (P50–P52,P54)	92	3.0	27.0	8	Necrotizing enterocolitis of newborn . . . (P77)	3	2.6	*
9	Atelectasis (P28.0–P28.1)	70	2.3	20.5	8	Accidents (unintentional injuries) (V01–X59)	3	2.6	*
10	Intrauterine hypoxia and birth asphyxia (P20–P21)	57	1.9	16.7	10	Intrauterine hypoxia and birth asphyxia (P20–P21)	2	1.7	*
...	All other causes (residual)	632	20.6	185.4	...	All other causes (residual)	24	20.7	95.3
Neonates, black, female									
...	All causes	2,457	100.0	744.7					
1	Disorders related to short gestation and low birth weight, not elsewhere classified (P07)	797	32.4	241.6					
2	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	325	13.2	98.5					
3	Newborn affected by maternal complications of pregnancy (P01)	266	10.8	80.6					
4	Newborn affected by complications of placenta, cord and membranes (P02)	150	6.1	45.5					
5	Respiratory distress of newborn (P22)	94	3.8	28.5					
6	Bacterial sepsis of newborn (P36)	92	3.7	27.9					
7	Necrotizing enterocolitis of newborn . . . (P77)	77	3.1	23.3					
8	Neonatal hemorrhage (P50–P52,P54)	66	2.7	20.0					
9	Intrauterine hypoxia and birth asphyxia (P20–P21)	43	1.8	13.0					
10	Pulmonary hemorrhage originating in the perinatal period (P26)	33	1.3	10.0					
...	All other causes (residual)	514	20.9	155.8					

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Rank ¹	Cause of death (based on ICD–10, 2004), age, race, and sex	Number	Percent of total deaths	Mortality rate	Rank ¹	Cause of death (based on ICD–10, 2004), age, race, and sex	Number	Percent of total deaths	Mortality rate
Neonates, American Indian or Alaska Native, female					Neonates, Asian or Pacific Islander, male				
...	All causes	87	100.0	357.4	...	All causes	364	100.0	278.7
1	Disorders related to short gestation and low birth weight, not elsewhere classified (P07)	19	21.8	*	1	Disorders related to short gestation and low birth weight, not elsewhere classified (P07)	101	27.7	77.3
1	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	19	21.8	*	2	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	77	21.2	59.0
3	Newborn affected by complications of placenta, cord and membranes (P02)	9	10.3	*	3	Newborn affected by maternal complications of pregnancy (P01)	33	9.1	25.3
4	Newborn affected by maternal complications of pregnancy (P01)	7	8.0	*	4	Newborn affected by complications of placenta, cord and membranes (P02)	19	5.2	*
5	Sudden infant death syndrome (R95)	4	4.6	*	5	Bacterial sepsis of newborn (P36)	15	4.1	*
6	Newborn affected by noxious influences transmitted via placenta or breast milk (P04)	3	3.4	*	6	Intrauterine hypoxia and birth asphyxia (P20–P21)	11	3.0	*
6	Neonatal hemorrhage (P50–P52,P54)	3	3.4	*	6	Neonatal hemorrhage (P50–P52,P54)	11	3.0	*
8	Intrauterine hypoxia and birth asphyxia (P20–P21)	2	2.3	*	8	Interstitial emphysema and related conditions originating in the perinatal period (P25)	7	1.9	*
8	Pulmonary hemorrhage originating in the perinatal period (P26)	2	2.3	*	9	Respiratory distress of newborn (P22)	6	1.6	*
8	Atelectasis (P28.0–P28.1)	2	2.3	*	9	Necrotizing enterocolitis of newborn (P77)	6	1.6	*
...	All other causes (residual)	17	19.5	*	...	All other causes (residual)	72	19.8	55.1
Neonates, Asian or Pacific Islander, both sexes					Neonates, Asian or Pacific Islander, female				
...	All causes	642	100.0	253.6	...	All causes	278	100.0	226.8
1	Disorders related to short gestation and low birth weight, not elsewhere classified (P07)	178	27.7	70.3	1	Disorders related to short gestation and low birth weight, not elsewhere classified (P07)	77	27.7	62.8
2	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	134	20.9	52.9	2	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	57	20.5	46.5
3	Newborn affected by maternal complications of pregnancy (P01)	50	7.8	19.7	3	Newborn affected by maternal complications of pregnancy (P01)	17	6.1	*
4	Newborn affected by complications of placenta, cord and membranes (P02)	34	5.3	13.4	4	Newborn affected by complications of placenta, cord and membranes (P02)	15	5.4	*
5	Bacterial sepsis of newborn (P36)	30	4.7	11.8	4	Bacterial sepsis of newborn (P36)	15	5.4	*
6	Neonatal hemorrhage (P50–P52,P54)	17	2.6	*	6	Necrotizing enterocolitis of newborn (P77)	7	2.5	*
7	Intrauterine hypoxia and birth asphyxia (P20–P21)	16	2.5	*	7	Neonatal hemorrhage (P50–P52,P54)	6	2.2	*
8	Necrotizing enterocolitis of newborn (P77)	13	2.0	*	7	Hydrops fetalis not due to hemolytic disease (P83.2)	6	2.2	*
9	Hydrops fetalis not due to hemolytic disease (P83.2)	12	1.9	*	9	Newborn affected by maternal hypertensive disorders (P00.0)	5	1.8	*
10	Respiratory distress of newborn (P22)	11	1.7	*	9	Intrauterine hypoxia and birth asphyxia (P20–P21)	5	1.8	*
...	All other causes (residual)	147	22.9	58.1	9	Respiratory distress of newborn (P22)	5	1.8	*
					9	Atelectasis (P28.0–P28.1)	5	1.8	*
					...	All other causes (residual)	58	20.9	47.3

See footnotes at end of table.

Table 3. Infant, neonatal, and postneonatal deaths, percentage of total deaths, and mortality rates for the 10 leading causes of infant death, by race and sex: United States, 2008—Con.

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

Rank ¹	Cause of death (based on ICD–10, 2004), age, race, and sex	Number	Percent of total deaths	Mortality rate	Rank ¹	Cause of death (based on ICD–10, 2004), age, race, and sex	Number	Percent of total deaths	Mortality rate
Postneonates, all races, both sexes					Postneonates, white, both sexes				
...	All causes	9,848	100.0	231.8	...	All causes	6,321	100.0	193.1
1	Sudden infant death syndrome (R95)	2,141	21.7	50.4	1	Sudden infant death syndrome (R95)	1,353	21.4	41.3
2	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	1,684	17.1	39.6	2	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	1,207	19.1	36.9
3	Accidents (unintentional injuries) (V01–X59)	1,183	12.0	27.9	3	Accidents (unintentional injuries) (V01–X59)	758	12.0	23.2
4	Diseases of the circulatory system (I00–I99)	487	4.9	11.5	4	Diseases of the circulatory system (I00–I99)	307	4.9	9.4
5	Gastritis, duodenitis, and noninfective enteritis and colitis (K29,K50–K55)	335	3.4	7.9	5	Assault (homicide) (*U01,X85–Y09)	187	3.0	5.7
6	Assault (homicide) (*U01,X85–Y09)	308	3.1	7.3	6	Gastritis, duodenitis, and noninfective enteritis and colitis (K29,K50–K55)	183	2.9	5.6
7	Septicemia (A40–A41)	288	2.9	6.8	7	Septicemia (A40–A41)	170	2.7	5.2
8	Influenza and pneumonia (J09–J18) ²	226	2.3	5.3	8	Influenza and pneumonia (J09–J18) ²	147	2.3	4.5
9	Chronic respiratory disease originating in the perinatal period (P27)	212	2.2	5.0	9	Chronic respiratory disease originating in the perinatal period (P27)	106	1.7	3.2
10	Disorders related to short gestation and low birth weight, not elsewhere classified (P07)	125	1.3	2.9	10	Disorders related to short gestation and low birth weight, not elsewhere classified (P07)	64	1.0	2.0
...	All other causes (residual)	2,859	29.0	67.3	...	All other causes (residual)	1,839	29.1	56.2
Postneonates, all races, male					Postneonates, white, male				
...	All causes	5,525	100.0	254.2	...	All causes	3,553	100.0	211.9
1	Sudden infant death syndrome (R95)	1,265	22.9	58.2	1	Sudden infant death syndrome (R95)	809	22.8	48.2
2	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	861	15.6	39.6	2	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	625	17.6	37.3
3	Accidents (unintentional injuries) (V01–X59)	659	11.9	30.3	3	Accidents (unintentional injuries) (V01–X59)	434	12.2	25.9
4	Diseases of the circulatory system (I00–I99)	280	5.1	12.9	4	Diseases of the circulatory system (I00–I99)	175	4.9	10.4
5	Gastritis, duodenitis, and noninfective enteritis and colitis (K29,K50–K55)	179	3.2	8.2	5	Assault (homicide) (*U01,X85–Y09)	108	3.0	6.4
6	Assault (homicide) (*U01,X85–Y09)	174	3.1	8.0	6	Gastritis, duodenitis, and noninfective enteritis and colitis (K29,K50–K55)	96	2.7	5.7
7	Septicemia (A40–A41)	148	2.7	6.8	7	Septicemia (A40–A41)	84	2.4	5.0
8	Influenza and pneumonia (J09–J18) ²	124	2.2	5.7	8	Influenza and pneumonia (J09–J18) ²	81	2.3	4.8
8	Chronic respiratory disease originating in the perinatal period (P27)	124	2.2	5.7	9	Chronic respiratory disease originating in the perinatal period (P27)	67	1.9	4.0
10	Disorders related to short gestation and low birth weight, not elsewhere classified (P07)	73	1.3	3.4	10	Disorders related to short gestation and low birth weight, not elsewhere classified (P07)	36	1.0	2.1
...	All other causes (residual)	1,638	29.6	75.4	...	All other causes (residual)	1,038	29.2	61.9
Postneonates, all races, female					Postneonates, white, female				
...	All causes	4,323	100.0	208.4	...	All causes	2,768	100.0	173.3
1	Sudden infant death syndrome (R95)	876	20.3	42.2	1	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	582	21.0	36.4
2	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	823	19.0	39.7	2	Sudden infant death syndrome (R95)	544	19.7	34.1
3	Accidents (unintentional injuries) (V01–X59)	524	12.1	25.3	3	Accidents (unintentional injuries) (V01–X59)	324	11.7	20.3
4	Diseases of the circulatory system (I00–I99)	207	4.8	10.0	4	Diseases of the circulatory system (I00–I99)	132	4.8	8.3
5	Gastritis, duodenitis, and noninfective enteritis and colitis (K29,K50–K55)	156	3.6	7.5	5	Gastritis, duodenitis, and noninfective enteritis and colitis (K29,K50–K55)	87	3.1	5.4
6	Septicemia (A40–A41)	140	3.2	6.7	6	Septicemia (A40–A41)	86	3.1	5.4
7	Assault (homicide) (*U01,X85–Y09)	134	3.1	6.5	7	Assault (homicide) (*U01,X85–Y09)	79	2.9	4.9
8	Influenza and pneumonia (J09–J18) ²	102	2.4	4.9	8	Influenza and pneumonia (J09–J18) ²	66	2.4	4.1
9	Chronic respiratory disease originating in the perinatal period (P27)	88	2.0	4.2	9	Chronic respiratory disease originating in the perinatal period (P27)	39	1.4	2.4
10	Disorders related to short gestation and low birth weight, not elsewhere classified (P07)	52	1.2	2.5	10	Disorders related to short gestation and low birth weight, not elsewhere classified (P07)	28	1.0	1.8
...	All other causes (residual)	1,221	28.2	58.9	...	All other causes (residual)	801	28.9	50.1

See footnotes at end of table.

Table 3. Infant, neonatal, and postneonatal deaths, percentage of total deaths, and mortality rates for the 10 leading causes of infant death, by race and sex: United States, 2008—Con.

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

Rank ¹	Cause of death (based on ICD–10, 2004), age, race, and sex	Number	Percent of total deaths	Mortality rate	Rank ¹	Cause of death (based on ICD–10, 2004), age, race, and sex	Number	Percent of total deaths	Mortality rate
Postneonates, black, both sexes					Postneonates, American Indian or Alaska Native, both sexes				
...	All causes	3,020	100.0	450.2	...	All causes	200	100.0	403.7
1	Sudden infant death syndrome (R95)	700	23.2	104.4	1	Sudden infant death syndrome (R95)	44	22.0	88.8
2	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	384	12.7	57.2	2	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	27	13.5	54.5
3	Accidents (unintentional injuries) (V01–X59)	372	12.3	55.5	2	Accidents (unintentional injuries) (V01–X59)	27	13.5	54.5
4	Diseases of the circulatory system (I00–I99)	148	4.9	22.1	4	Diseases of the circulatory system (I00–I99)	15	7.5	*
5	Gastritis, duodenitis, and noninfective enteritis and colitis (K29,K50–K55)	131	4.3	19.5	5	Assault (homicide) (*U01,X85–Y09)	11	5.5	*
6	Septicemia (A40–A41)	107	3.5	16.0	6	Influenza and pneumonia (J09–J18) ²	9	4.5	*
7	Assault (homicide) (*U01,X85–Y09)	104	3.4	15.5	7	Gastritis, duodenitis, and noninfective enteritis and colitis (K29,K50–K55)	6	3.0	*
8	Chronic respiratory disease originating in the perinatal period (P27)	97	3.2	14.5	8	Septicemia (A40–A41)	3	1.5	*
9	Influenza and pneumonia (J09–J18) ²	64	2.1	9.5	8	Disorders related to short gestation and low birth weight, not elsewhere classified (P07)	3	1.5	*
10	Disorders related to short gestation and low birth weight, not elsewhere classified (P07)	55	1.8	8.2	10	Whooping cough (A37)	2	1.0	*
...	All other causes (residual)	858	28.4	127.9	10	Meningitis (G00,G03)	2	1.0	*
Postneonates, black, male					Postneonates, American Indian or Alaska Native, male				
...	All causes	1,682	100.0	493.4	10	Anoxic brain damage, not elsewhere classified (G93.1)	2	1.0	*
1	Sudden infant death syndrome (R95)	409	24.3	120.0	10	Acute bronchitis and acute bronchiolitis (J20–J21)	2	1.0	*
2	Accidents (unintentional injuries) (V01–X59)	197	11.7	57.8	10	Hernia of abdominal cavity and intestinal obstruction without hernia (K40–K46,K56)	2	1.0	*
3	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	184	10.9	54.0	...	All other causes (residual)	45	22.5	90.8
4	Diseases of the circulatory system (I00–I99)	86	5.1	25.2	Postneonates, American Indian or Alaska Native, female				
5	Gastritis, duodenitis, and noninfective enteritis and colitis (K29,K50–K55)	67	4.0	19.7	...	All causes	118	100.0	468.3
6	Septicemia (A40–A41)	57	3.4	16.7	1	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	20	16.9	79.4
7	Assault (homicide) (*U01,X85–Y09)	55	3.3	16.1	1	Sudden infant death syndrome (R95)	20	16.9	79.4
8	Chronic respiratory disease originating in the perinatal period (P27)	53	3.2	15.5	3	Accidents (unintentional injuries) (V01–X59)	14	11.9	*
9	Influenza and pneumonia (J09–J18) ²	34	2.0	10.0	4	Diseases of the circulatory system (I00–I99)	9	7.6	*
10	Disorders related to short gestation and low birth weight, not elsewhere classified (P07)	33	2.0	9.7	5	Assault (homicide) (*U01,X85–Y09)	8	6.8	*
...	All other causes (residual)	507	30.1	148.7	6	Influenza and pneumonia (J09–J18) ²	5	4.2	*
Postneonates, black, female					Postneonates, American Indian or Alaska Native, female				
...	All causes	1,338	100.0	405.5	7	Gastritis, duodenitis, and noninfective enteritis and colitis (K29,K50–K55)	4	3.4	*
1	Sudden infant death syndrome (R95)	291	21.7	88.2	8	Disorders related to short gestation and low birth weight, not elsewhere classified (P07)	3	2.5	*
2	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	200	14.9	60.6	9	Whooping cough (A37)	2	1.7	*
3	Accidents (unintentional injuries) (V01–X59)	175	13.1	53.0	9	Anoxic brain damage, not elsewhere classified (G93.1)	2	1.7	*
4	Gastritis, duodenitis, and noninfective enteritis and colitis (K29,K50–K55)	64	4.8	19.4	...	All other causes (residual)	31	26.3	123.0
5	Diseases of the circulatory system (I00–I99)	62	4.6	18.8					
6	Septicemia (A40–A41)	50	3.7	15.2					
7	Assault (homicide) (*U01,X85–Y09)	49	3.7	14.9					
8	Chronic respiratory disease originating in the perinatal period (P27)	44	3.3	13.3					
9	Influenza and pneumonia (J09–J18) ²	30	2.2	9.1					
10	Necrotizing enterocolitis of newborn (P77)	23	1.7	7.0					
...	All other causes (residual)	350	26.2	106.1					

See footnotes at end of table.

Table 3. Infant, neonatal, and postneonatal deaths, percentage of total deaths, and mortality rates for the 10 leading causes of infant death, by race and sex: United States, 2008—Con.

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

Rank ¹	Cause of death (based on ICD–10, 2004), age, race, and sex	Number	Percent of total deaths	Mortality rate	Rank ¹	Cause of death (based on ICD–10, 2004), age, race, and sex	Number	Percent of total deaths	Mortality rate
Postneonates, American Indian or Alaska Native, female					Postneonates, Asian or Pacific Islander, male				
...	All causes	82	100.0	336.9	...	All causes	172	100.0	131.7
1	Sudden infant death syndrome (R95)	24	29.3	98.6	1	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	32	18.6	24.5
2	Accidents (unintentional injuries) (V01–X59)	13	15.9	*	2	Sudden infant death syndrome (R95)	27	15.7	20.7
3	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	7	8.5	*	3	Accidents (unintentional injuries) (V01–X59)	14	8.1	*
4	Diseases of the circulatory system (I00–I99)	6	7.3	*	4	Gastritis, duodenitis, and noninfective enteritis and colitis (K29,K50–K55)	12	7.0	*
5	Influenza and pneumonia (J09–J18) ²	4	4.9	*	5	Diseases of the circulatory system (I00–I99)	10	5.8	*
6	Assault (homicide) (*U01,X85–Y09)	3	3.7	*	6	Septicemia (A40–A41)	6	3.5	*
7	Septicemia (A40–A41)	2	2.4	*	7	Influenza and pneumonia (J09–J18) ²	4	2.3	*
7	Gastritis, duodenitis, and noninfective enteritis and colitis (K29,K50–K55)	2	2.4	*	7	Acute bronchitis and acute bronchiolitis (J20–J21)	4	2.3	*
9	Diseases of the blood and blood-forming organs and certain disorders involving the immune mechanism (D50–D89)	1	1.2	*	7	Chronic respiratory disease originating in the perinatal period (P27)	4	2.3	*
9	Malnutrition and other nutritional deficiencies (E40–E64)	1	1.2	*	10	Renal failure and other disorders of kidney (N17–N19,N25,N27)	3	1.7	*
9	Meningitis (G00,G03)	1	1.2	*	10	Assault (homicide) (*U01,X85–Y09)	3	1.7	*
9	Acute bronchitis and acute bronchiolitis (J20–J21)	1	1.2	*	...	All other causes (residual)	53	30.8	40.6
9	Hernia of abdominal cavity and intestinal obstruction without hernia (K40–K46,K56)	1	1.2	*	Postneonates, Asian or Pacific Islander, female				
9	Congenital pneumonia (P23)	1	1.2	*	...	All causes	135	100.0	110.1
...	All other causes (residual)	15	18.3	*	1	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	34	25.2	27.7
Postneonates, Asian or Pacific Islander, both sexes					2	Sudden infant death syndrome (R95)	17	12.6	*
...	All causes	307	100.0	121.3	3	Accidents (unintentional injuries) (V01–X59)	12	8.9	*
1	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	66	21.5	26.1	4	Diseases of the circulatory system (I00–I99)	7	5.2	*
2	Sudden infant death syndrome (R95)	44	14.3	17.4	5	Chronic respiratory disease originating in the perinatal period (P27)	5	3.7	*
3	Accidents (unintentional injuries) (V01–X59)	26	8.5	10.3	6	Gastritis, duodenitis, and noninfective enteritis and colitis (K29,K50–K55)	3	2.2	*
4	Diseases of the circulatory system (I00–I99)	17	5.5	*	6	Assault (homicide) (*U01,X85–Y09)	3	2.2	*
5	Gastritis, duodenitis, and noninfective enteritis and colitis (K29,K50–K55)	15	4.9	*	8	Septicemia (A40–A41)	2	1.5	*
6	Chronic respiratory disease originating in the perinatal period (P27)	9	2.9	*	8	Anoxic brain damage, not elsewhere classified (G93.1)	2	1.5	*
7	Septicemia (A40–A41)	8	2.6	*	8	Influenza and pneumonia (J09–J18) ²	2	1.5	*
8	Influenza and pneumonia (J09–J18) ²	6	2.0	*	8	Disorders related to short gestation and low birth weight, not elsewhere classified (P07)	2	1.5	*
8	Assault (homicide) (*U01,X85–Y09)	6	2.0	*	8	Necrotizing enterocolitis of newborn (P77)	2	1.5	*
10	Acute bronchitis and acute bronchiolitis (J20–J21)	4	1.3	*	...	All other causes (residual)	44	32.6	35.9
10	Necrotizing enterocolitis of newborn (P77)	4	1.3	*					
...	All other causes (residual)	102	33.2	40.3					

... Category not applicable.

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

¹Based on number of deaths; see "Technical Notes."

²New ICD–10 code J09 (Influenza due to identified avian influenza virus) was added to the category in 2007.

Table 4. Infant, neonatal, and postneonatal deaths, percentage of total deaths, and mortality rates for the 10 leading causes of infant death, by Hispanic origin, race for non-Hispanic population, and sex: United States, 2008

[Rates are infant (under 1 year), neonatal (under 28 days), and postneonatal (28 days–11 months) deaths per 100,000 live births in specified group. Race and Hispanic origin are reported separately on the death certificate. Persons of Hispanic origin may be of any race. Data for Hispanic persons are not tabulated separately by race; data for non-Hispanic persons are tabulated by race. Data for Hispanic origin should be interpreted with caution because of inconsistencies between reporting Hispanic origin on birth and death certificates; see "Technical Notes." National linked files should be used to measure infant mortality for specific Hispanic subgroups. An asterisk (*) preceding a cause-of-death code indicates that the code is not included in the *International Classification of Diseases, Tenth Revision (ICD-10)*, Second Edition; see "Technical Notes"]

Rank ¹	Cause of death (based on ICD-10, 2004), age, Hispanic origin, race, and sex	Number	Percent of total deaths	Mortality rate	Rank ¹	Cause of death (based on ICD-10, 2004), age, Hispanic origin, race, and sex	Number	Percent of total deaths	Mortality rate
Infants, Hispanic, both sexes					Infants, non-Hispanic white, both sexes				
...	All causes	5,890	100.0	565.7	...	All causes	12,519	100.0	552.0
1	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	1,502	25.5	144.3	1	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	2,831	22.6	124.8
2	Disorders related to short gestation and low birth weight, not elsewhere classified (P07)	939	15.9	90.2	2	Disorders related to short gestation and low birth weight, not elsewhere classified (P07)	1,744	13.9	76.9
3	Newborn affected by maternal complications of pregnancy (P01)	366	6.2	35.2	3	Sudden infant death syndrome (R95)	1,197	9.6	52.8
4	Sudden infant death syndrome (R95)	331	5.6	31.8	4	Newborn affected by maternal complications of pregnancy (P01)	767	6.1	33.8
5	Newborn affected by complications of placenta, cord and membranes (P02)	237	4.0	22.8	5	Accidents (unintentional injuries) . . . (V01–X59)	675	5.4	29.8
6	Accidents (unintentional injuries) . . . (V01–X59)	184	3.1	17.7	6	Newborn affected by complications of placenta, cord and membranes (P02)	472	3.8	20.8
7	Bacterial sepsis of newborn (P36)	138	2.3	13.3	7	Bacterial sepsis of newborn (P36)	300	2.4	13.2
8	Respiratory distress of newborn (P22)	137	2.3	13.2	8	Respiratory distress of newborn (P22)	260	2.1	11.5
9	Diseases of the circulatory system (I00–I99)	132	2.2	12.7	9	Diseases of the circulatory system (I00–I99)	257	2.1	11.3
10	Neonatal hemorrhage (P50–P52,P54)	130	2.2	12.5	10	Neonatal hemorrhage (P50–P52,P54)	245	2.0	10.8
...	All other causes (residual)	1,794	30.5	172.3	...	All other causes (residual)	3,771	30.1	166.3
Infants, Hispanic, male					Infants, non-Hispanic white, male				
...	All causes	3,279	100.0	616.4	...	All causes	7,022	100.0	604.0
1	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	796	24.3	149.6	1	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	1,488	21.2	128.0
2	Disorders related to short gestation and low birth weight, not elsewhere classified (P07)	545	16.6	102.4	2	Disorders related to short gestation and low birth weight, not elsewhere classified (P07)	973	13.9	83.7
3	Newborn affected by maternal complications of pregnancy (P01)	212	6.5	39.8	3	Sudden infant death syndrome (R95)	723	10.3	62.2
4	Sudden infant death syndrome (R95)	188	5.7	35.3	4	Newborn affected by maternal complications of pregnancy (P01)	448	6.4	38.5
5	Newborn affected by complications of placenta, cord and membranes (P02)	125	3.8	23.5	5	Accidents (unintentional injuries) . . . (V01–X59)	380	5.4	32.7
6	Accidents (unintentional injuries) . . . (V01–X59)	111	3.4	20.9	6	Newborn affected by complications of placenta, cord and membranes (P02)	252	3.6	21.7
7	Respiratory distress of newborn (P22)	87	2.7	16.4	7	Bacterial sepsis of newborn (P36)	170	2.4	14.6
8	Neonatal hemorrhage (P50–P52,P54)	79	2.4	14.8	8	Respiratory distress of newborn (P22)	160	2.3	13.8
9	Bacterial sepsis of newborn (P36)	78	2.4	14.7	9	Neonatal hemorrhage (P50–P52,P54)	144	2.1	12.4
10	Diseases of the circulatory system (I00–I99)	74	2.3	13.9	10	Diseases of the circulatory system (I00–I99)	135	1.9	11.6
...	All other causes (residual)	984	30.0	185.0	...	All other causes (residual)	2,149	30.6	184.8
Infants, Hispanic, female					Infants, non-Hispanic white, female				
...	All causes	2,611	100.0	512.7	...	All causes	5,497	100.0	497.4
1	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	706	27.0	138.6	1	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	1,343	24.4	121.5
2	Disorders related to short gestation and low birth weight, not elsewhere classified (P07)	394	15.1	77.4	2	Disorders related to short gestation and low birth weight, not elsewhere classified (P07)	771	14.0	69.8
3	Newborn affected by maternal complications of pregnancy (P01)	154	5.9	30.2	3	Sudden infant death syndrome (R95)	474	8.6	42.9
4	Sudden infant death syndrome (R95)	143	5.5	28.1	4	Newborn affected by maternal complications of pregnancy (P01)	319	5.8	28.9
5	Newborn affected by complications of placenta, cord and membranes (P02)	112	4.3	22.0	5	Accidents (unintentional injuries) . . . (V01–X59)	295	5.4	26.7
6	Accidents (unintentional injuries) . . . (V01–X59)	73	2.8	14.3	6	Newborn affected by complications of placenta, cord and membranes (P02)	220	4.0	19.9
7	Bacterial sepsis of newborn (P36)	60	2.3	11.8	7	Bacterial sepsis of newborn (P36)	130	2.4	11.8
8	Diseases of the circulatory system (I00–I99)	58	2.2	11.4	8	Diseases of the circulatory system (I00–I99)	122	2.2	11.0
9	Neonatal hemorrhage (P50–P52,P54)	51	2.0	10.0	9	Neonatal hemorrhage (P50–P52,P54)	101	1.8	9.1
10	Respiratory distress of newborn (P22)	50	1.9	9.8	10	Respiratory distress of newborn (P22)	100	1.8	9.0
...	All other causes (residual)	810	31.0	159.1	...	All other causes (residual)	1,622	29.5	146.8

See footnotes at end of table.

Table 4. Infant, neonatal, and postneonatal deaths, percentage of total deaths, and mortality rates for the 10 leading causes of infant death, by Hispanic origin, race for non-Hispanic population, and sex: United States, 2008—Con.

[Rates are infant (under 1 year), neonatal (under 28 days), and postneonatal (28 days–11 months) deaths per 100,000 live births in specified group. Race and Hispanic origin are reported separately on the death certificate. Persons of Hispanic origin may be of any race. Data for Hispanic persons are not tabulated separately by race; data for non-Hispanic persons are tabulated by race. Data for Hispanic origin should be interpreted with caution because of inconsistencies between reporting Hispanic origin on birth and death certificates; see "Technical Notes." National linked files should be used to measure infant mortality for specific Hispanic subgroups. An asterisk (*) preceding a cause-of-death code indicates that the code is not included in the *International Classification of Diseases, Tenth Revision (ICD-10)*, Second Edition; see "Technical Notes"]

Rank ¹	Cause of death (based on ICD-10, 2004), age, Hispanic origin, race, and sex	Number	Percent of total deaths	Mortality rate	Rank ¹	Cause of death (based on ICD-10, 2004), age, Hispanic origin, race, and sex	Number	Percent of total deaths	Mortality rate
Infants, non-Hispanic black, both sexes					Neonates, Hispanic, both sexes				
...	All causes	8,187	100.0	1,314.1	...	All causes	3,970	100.0	381.3
1	Disorders related to short gestation and low birth weight, not elsewhere classified (P07)	1,800	22.0	288.9	1	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	1,064	26.8	102.2
2	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	1,012	12.4	162.4	2	Disorders related to short gestation and low birth weight, not elsewhere classified (P07)	914	23.0	87.8
3	Sudden infant death syndrome (R95)	731	8.9	117.3	3	Newborn affected by maternal complications of pregnancy (P01)	359	9.0	34.5
4	Newborn affected by maternal complications of pregnancy (P01)	543	6.6	87.2	4	Newborn affected by complications of placenta, cord and membranes (P02)	234	5.9	22.5
5	Accidents (unintentional injuries) . . . (V01–X59)	399	4.9	64.0	5	Bacterial sepsis of newborn (P36)	137	3.5	13.2
6	Newborn affected by complications of placenta, cord and membranes (P02)	312	3.8	50.1	6	Respiratory distress of newborn (P22)	135	3.4	13.0
7	Bacterial sepsis of newborn (P36)	218	2.7	35.0	7	Neonatal hemorrhage (P50–P52,P54)	126	3.2	12.1
8	Necrotizing enterocolitis of newborn . . . (P77)	211	2.6	33.9	8	Necrotizing enterocolitis of newborn . . . (P77)	94	2.4	9.0
9	Respiratory distress of newborn (P22)	210	2.6	33.7	9	Intrauterine hypoxia and birth asphyxia (P20–P21)	78	2.0	7.5
10	Diseases of the circulatory system (I00–I99)	164	2.0	26.3	10	Atelectasis (P28.0–P28.1)	70	1.8	6.7
...	All other causes (residual)	2,587	31.6	415.2	...	All other causes (residual)	759	19.1	72.9
Infants, non-Hispanic black, male					Neonates, Hispanic, male				
...	All causes	4,546	100.0	1,436.6	...	All causes	2,215	100.0	416.4
1	Disorders related to short gestation and low birth weight, not elsewhere classified (P07)	1,012	22.3	319.8	1	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	574	25.9	107.9
2	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	513	11.3	162.1	2	Disorders related to short gestation and low birth weight, not elsewhere classified (P07)	527	23.8	99.1
3	Sudden infant death syndrome (R95)	420	9.2	132.7	3	Newborn affected by maternal complications of pregnancy (P01)	209	9.4	39.3
4	Newborn affected by maternal complications of pregnancy (P01)	292	6.4	92.3	4	Newborn affected by complications of placenta, cord and membranes (P02)	123	5.6	23.1
5	Accidents (unintentional injuries) . . . (V01–X59)	210	4.6	66.4	5	Respiratory distress of newborn (P22)	85	3.8	16.0
6	Newborn affected by complications of placenta, cord and membranes (P02)	169	3.7	53.4	6	Bacterial sepsis of newborn (P36)	78	3.5	14.7
7	Bacterial sepsis of newborn (P36)	127	2.8	40.1	7	Neonatal hemorrhage (P50–P52,P54)	76	3.4	14.3
8	Necrotizing enterocolitis of newborn . . . (P77)	118	2.6	37.3	8	Necrotizing enterocolitis of newborn . . . (P77)	51	2.3	9.6
9	Respiratory distress of newborn (P22)	117	2.6	37.0	9	Intrauterine hypoxia and birth asphyxia (P20–P21)	44	2.0	8.3
10	Diseases of the circulatory system (I00–I99)	95	2.1	30.0	10	Atelectasis (P28.0–P28.1)	41	1.9	7.7
...	All other causes (residual)	1,473	32.4	465.5	...	All other causes (residual)	407	18.4	76.5
Infants, non-Hispanic black, female					Neonates, Hispanic, female				
...	All causes	3,641	100.0	1,187.6	...	All causes	1,755	100.0	344.6
1	Disorders related to short gestation and low birth weight, not elsewhere classified (P07)	788	21.6	257.0	1	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	490	27.9	96.2
2	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	499	13.7	162.8	2	Disorders related to short gestation and low birth weight, not elsewhere classified (P07)	387	22.1	76.0
3	Sudden infant death syndrome (R95)	311	8.5	101.4	3	Newborn affected by maternal complications of pregnancy (P01)	150	8.5	29.5
4	Newborn affected by maternal complications of pregnancy (P01)	251	6.9	81.9	4	Newborn affected by complications of placenta, cord and membranes (P02)	111	6.3	21.8
5	Accidents (unintentional injuries) . . . (V01–X59)	189	5.2	61.6	5	Bacterial sepsis of newborn (P36)	59	3.4	11.6
6	Newborn affected by complications of placenta, cord and membranes (P02)	143	3.9	46.6	6	Respiratory distress of newborn (P22)	50	2.8	9.8
7	Respiratory distress of newborn (P22)	93	2.6	30.3	6	Neonatal hemorrhage (P50–P52,P54)	50	2.8	9.8
7	Necrotizing enterocolitis of newborn . . . (P77)	93	2.6	30.3	8	Necrotizing enterocolitis of newborn . . . (P77)	43	2.5	8.4
9	Bacterial sepsis of newborn (P36)	91	2.5	29.7	9	Intrauterine hypoxia and birth asphyxia (P20–P21)	34	1.9	6.7
10	Diseases of the circulatory system (I00–I99)	69	1.9	22.5	10	Atelectasis (P28.0–P28.1)	29	1.7	5.7
...	All other causes (residual)	1,114	30.6	363.4	...	All other causes (residual)	352	20.1	69.1

See footnotes at end of table.

Table 4. Infant, neonatal, and postneonatal deaths, percentage of total deaths, and mortality rates for the 10 leading causes of infant death, by Hispanic origin, race for non-Hispanic population, and sex: United States, 2008—Con.

[Rates are infant (under 1 year), neonatal (under 28 days), and postneonatal (28 days–11 months) deaths per 100,000 live births in specified group. Race and Hispanic origin are reported separately on the death certificate. Persons of Hispanic origin may be of any race. Data for Hispanic persons are not tabulated separately by race; data for non-Hispanic persons are tabulated by race. Data for Hispanic origin should be interpreted with caution because of inconsistencies between reporting Hispanic origin on birth and death certificates; see "Technical Notes." National linked files should be used to measure infant mortality for specific Hispanic subgroups. An asterisk (*) preceding a cause-of-death code indicates that the code is not included in the *International Classification of Diseases, Tenth Revision (ICD-10)*, Second Edition; see "Technical Notes"]

Rank ¹	Cause of death (based on ICD-10, 2004), age, Hispanic origin, race, and sex	Number	Percent of total deaths	Mortality rate	Rank ¹	Cause of death (based on ICD-10, 2004), age, Hispanic origin, race, and sex	Number	Percent of total deaths	Mortality rate
Neonates, non-Hispanic white, both sexes					Neonates, non-Hispanic black, both sexes				
...	All causes	8,011	100.0	353.2	...	All causes	5,268	100.0	845.5
1	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	2,045	25.5	90.2	1	Disorders related to short gestation and low birth weight, not elsewhere classified (P07)	1,747	33.2	280.4
2	Disorders related to short gestation and low birth weight, not elsewhere classified (P07)	1,703	21.3	75.1	2	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	648	12.3	104.0
3	Newborn affected by maternal complications of pregnancy (P01)	757	9.4	33.4	3	Newborn affected by maternal complications of pregnancy (P01)	538	10.2	86.4
4	Newborn affected by complications of placenta, cord and membranes (P02)	465	5.8	20.5	4	Newborn affected by complications of placenta, cord and membranes (P02)	309	5.9	49.6
5	Bacterial sepsis of newborn (P36)	287	3.6	12.7	5	Bacterial sepsis of newborn (P36)	208	3.9	33.4
6	Respiratory distress of newborn (P22)	255	3.2	11.2	6	Respiratory distress of newborn (P22)	205	3.9	32.9
7	Neonatal hemorrhage (P50–P52,P54)	240	3.0	10.6	7	Necrotizing enterocolitis of newborn . . . (P77)	169	3.2	27.1
8	Necrotizing enterocolitis of newborn . . . (P77)	181	2.3	8.0	8	Neonatal hemorrhage (P50–P52,P54)	150	2.8	24.1
9	Intrauterine hypoxia and birth asphyxia (P20–P21)	167	2.1	7.4	9	Intrauterine hypoxia and birth asphyxia (P20–P21)	97	1.8	15.6
10	Atelectasis (P28.0–P28.1)	151	1.9	6.7	10	Atelectasis (P28.0–P28.1)	92	1.7	14.8
...	All other causes (residual)	1,760	22.0	77.6	...	All other causes (residual)	1,105	21.0	177.4
Neonates, non-Hispanic white, male					Neonates, non-Hispanic black, male				
...	All causes	4,460	100.0	383.6	...	All causes	2,925	100.0	924.3
1	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	1,075	24.1	92.5	2	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	342	11.7	108.1
2	Disorders related to short gestation and low birth weight, not elsewhere classified (P07)	952	21.3	81.9	3	Newborn affected by maternal complications of pregnancy (P01)	287	9.8	90.7
3	Newborn affected by maternal complications of pregnancy (P01)	442	9.9	38.0	4	Newborn affected by complications of placenta, cord and membranes (P02)	168	5.7	53.1
4	Newborn affected by complications of placenta, cord and membranes (P02)	247	5.5	21.2	5	Bacterial sepsis of newborn (P36)	119	4.1	37.6
5	Bacterial sepsis of newborn (P36)	162	3.6	13.9	6	Respiratory distress of newborn (P22)	115	3.9	36.3
6	Respiratory distress of newborn (P22)	156	3.5	13.4	7	Necrotizing enterocolitis of newborn . . . (P77)	98	3.4	31.0
7	Neonatal hemorrhage (P50–P52,P54)	142	3.2	12.2	8	Neonatal hemorrhage (P50–P52,P54)	89	3.0	28.1
8	Necrotizing enterocolitis of newborn . . . (P77)	112	2.5	9.6	9	Atelectasis (P28.0–P28.1)	68	2.3	21.5
9	Intrauterine hypoxia and birth asphyxia (P20–P21)	106	2.4	9.1	10	Intrauterine hypoxia and birth asphyxia (P20–P21)	55	1.9	17.4
10	Atelectasis (P28.0–P28.1)	82	1.8	7.1	...	All other causes (residual)	603	20.6	190.6
...	All other causes (residual)	984	22.1	84.6	Neonates, non-Hispanic black, female				
Neonates, non-Hispanic white, female					...	All causes	2,343	100.0	764.2
...	All causes	3,551	100.0	321.3	1	Disorders related to short gestation and low birth weight, not elsewhere classified (P07)	766	32.7	249.8
1	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	970	27.3	87.8	3	Newborn affected by maternal complications of pregnancy (P01)	251	10.7	81.9
2	Disorders related to short gestation and low birth weight, not elsewhere classified (P07)	751	21.1	68.0	4	Newborn affected by complications of placenta, cord and membranes (P02)	141	6.0	46.0
3	Newborn affected by maternal complications of pregnancy (P01)	315	8.9	28.5	5	Respiratory distress of newborn (P22)	90	3.8	29.4
4	Newborn affected by complications of placenta, cord and membranes (P02)	218	6.1	19.7	6	Bacterial sepsis of newborn (P36)	89	3.8	29.0
5	Bacterial sepsis of newborn (P36)	125	3.5	11.3	7	Necrotizing enterocolitis of newborn . . . (P77)	71	3.0	23.2
6	Respiratory distress of newborn (P22)	99	2.8	9.0	8	Neonatal hemorrhage (P50–P52,P54)	61	2.6	19.9
7	Neonatal hemorrhage (P50–P52,P54)	98	2.8	8.9	9	Intrauterine hypoxia and birth asphyxia (P20–P21)	42	1.8	13.7
8	Atelectasis (P28.0–P28.1)	69	1.9	6.2	10	Pulmonary hemorrhage originating in the perinatal period (P26)	33	1.4	10.8
8	Necrotizing enterocolitis of newborn . . . (P77)	69	1.9	6.2	...	All other causes (residual)	493	21.0	160.8
10	Intrauterine hypoxia and birth asphyxia (P20–P21)	61	1.7	5.5					
...	All other causes (residual)	776	21.9	70.2					

See footnotes at end of table.

Table 4. Infant, neonatal, and postneonatal deaths, percentage of total deaths, and mortality rates for the 10 leading causes of infant death, by Hispanic origin, race for non-Hispanic population, and sex: United States, 2008—Con.

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Rank ¹	Cause of death (based on ICD-10, 2004), age, Hispanic origin, race, and sex	Number	Percent of total deaths	Mortality rate	Rank ¹	Cause of death (based on ICD-10, 2004), age, Hispanic origin, race, and sex	Number	Percent of total deaths	Mortality rate
Postneonates, Hispanic, both sexes					Postneonates, non-Hispanic white, both sexes				
...	All causes	1,920	100.0	184.4	...	All causes	4,508	100.0	198.8
1	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	438	22.8	42.1	1	Sudden infant death syndrome (R95)	1,081	24.0	47.7
2	Sudden infant death syndrome (R95)	302	15.7	29.0	2	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	786	17.4	34.7
3	Accidents (unintentional injuries) . . . (V01–X59)	165	8.6	15.8	3	Accidents (unintentional injuries) . . . (V01–X59)	603	13.4	26.6
4	Diseases of the circulatory system (I00–I99)	111	5.8	10.7	4	Diseases of the circulatory system (I00–I99)	199	4.4	8.8
5	Septicemia (A40–A41)	69	3.6	6.6	5	Assault (homicide) (*U01.X85–Y09)	128	2.8	5.6
6	Gastritis, duodenitis, and noninfective enteritis and colitis (K29,K50–K55)	67	3.5	6.4	6	Gastritis, duodenitis, and noninfective enteritis and colitis (K29,K50–K55)	121	2.7	5.3
7	Assault (homicide) (*U01.X85–Y09)	64	3.3	6.1	7	Influenza and pneumonia (J09–J18) ²	106	2.4	4.7
8	Influenza and pneumonia (J09–J18) ²	46	2.4	4.4	8	Septicemia (A40–A41)	102	2.3	4.5
9	Chronic respiratory disease originating in the perinatal period (P27)	32	1.7	3.1	9	Chronic respiratory disease originating in the perinatal period (P27)	75	1.7	3.3
10	Disorders related to short gestation and low birth weight, not elsewhere classified (P07)	25	1.3	2.4	10	Disorders related to short gestation and low birth weight, not elsewhere classified (P07)	41	0.9	1.8
...	All other causes (residual)	601	31.3	57.7	...	All other causes (residual)	1,266	28.1	55.8
Postneonates, Hispanic, male					Postneonates, non-Hispanic white, male				
...	All causes	1,064	100.0	200.0	...	All causes	2,562	100.0	220.4
1	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	222	20.9	41.7	1	Sudden infant death syndrome (R95)	662	25.8	56.9
2	Sudden infant death syndrome (R95)	170	16.0	32.0	2	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	413	16.1	35.5
3	Accidents (unintentional injuries) . . . (V01–X59)	100	9.4	18.8	3	Accidents (unintentional injuries) . . . (V01–X59)	340	13.3	29.2
4	Diseases of the circulatory system (I00–I99)	67	6.3	12.6	4	Diseases of the circulatory system (I00–I99)	109	4.3	9.4
5	Assault (homicide) (*U01.X85–Y09)	38	3.6	7.1	5	Assault (homicide) (*U01.X85–Y09)	71	2.8	6.1
6	Septicemia (A40–A41)	37	3.5	7.0	6	Gastritis, duodenitis, and noninfective enteritis and colitis (K29,K50–K55)	68	2.7	5.8
7	Gastritis, duodenitis, and noninfective enteritis and colitis (K29,K50–K55)	31	2.9	5.8	7	Influenza and pneumonia (J09–J18) ²	60	2.3	5.2
8	Influenza and pneumonia (J09–J18) ²	23	2.2	4.3	8	Chronic respiratory disease originating in the perinatal period (P27)	50	2.0	4.3
9	Disorders related to short gestation and low birth weight, not elsewhere classified (P07)	18	1.7	*	9	Septicemia (A40–A41)	48	1.9	4.1
9	Chronic respiratory disease originating in the perinatal period (P27)	18	1.7	*	10	Disorders related to short gestation and low birth weight, not elsewhere classified (P07)	21	0.8	1.8
...	All other causes (residual)	340	32.0	63.9	...	All other causes (residual)	720	28.1	61.9
Postneonates, Hispanic, female					Postneonates, non-Hispanic white, female				
...	All causes	856	100.0	168.1	...	All causes	1,946	100.0	176.1
1	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	216	25.2	42.4	1	Sudden infant death syndrome (R95)	419	21.5	37.9
2	Sudden infant death syndrome (R95)	132	15.4	25.9	2	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	373	19.2	33.7
3	Accidents (unintentional injuries) . . . (V01–X59)	65	7.6	12.8	3	Accidents (unintentional injuries) . . . (V01–X59)	263	13.5	23.8
4	Diseases of the circulatory system (I00–I99)	44	5.1	8.6	4	Diseases of the circulatory system (I00–I99)	90	4.6	8.1
5	Gastritis, duodenitis, and noninfective enteritis and colitis (K29,K50–K55)	36	4.2	7.1	5	Assault (homicide) (*U01.X85–Y09)	57	2.9	5.2
6	Septicemia (A40–A41)	32	3.7	6.3	6	Septicemia (A40–A41)	54	2.8	4.9
7	Assault (homicide) (*U01.X85–Y09)	26	3.0	5.1	7	Gastritis, duodenitis, and noninfective enteritis and colitis (K29,K50–K55)	53	2.7	4.8
8	Influenza and pneumonia (J09–J18) ²	23	2.7	4.5	8	Influenza and pneumonia (J09–J18) ²	46	2.4	4.2
9	Chronic respiratory disease originating in the perinatal period (P27)	14	1.6	*	9	Chronic respiratory disease originating in the perinatal period (P27)	25	1.3	2.3
10	Acute bronchitis and acute bronchiolitis (J20–J21)	10	1.2	*	10	Disorders related to short gestation and low birth weight, not elsewhere classified (P07)	20	1.0	1.8
...	All other causes (residual)	258	30.1	50.7	...	All other causes (residual)	546	28.1	49.4

See footnotes at end of table.

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Postneonates, non-Hispanic black, both sexes					Postneonates, non-Hispanic black, female				
...	All causes	2,919	100.0	468.5	...	All causes	1,298	100.0	423.4
1	Sudden infant death syndrome (R95)	674	23.1	108.2	1	Sudden infant death syndrome (R95)	283	21.8	92.3
2	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	364	12.5	58.4	2	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	193	14.9	63.0
3	Accidents (unintentional injuries) (V01–X59)	363	12.4	58.3	3	Accidents (unintentional injuries) (V01–X59)	170	13.1	55.4
4	Diseases of the circulatory system (I00–I99)	144	4.9	23.1	4	Gastritis, duodenitis, and noninfective enteritis and colitis (K29,K50–K55)	62	4.8	20.2
5	Gastritis, duodenitis, and noninfective enteritis and colitis (K29,K50–K55)	127	4.4	20.4	5	Diseases of the circulatory system (I00–I99)	60	4.6	19.6
6	Septicemia (A40–A41)	103	3.5	16.5	6	Septicemia (A40–A41)	49	3.8	16.0
7	Assault (homicide) (*U01,X85–Y09)	100	3.4	16.1	7	Assault (homicide) (*U01,X85–Y09)	46	3.5	15.0
8	Chronic respiratory disease originating in the perinatal period (P27)	96	3.3	15.4	8	Chronic respiratory disease originating in the perinatal period (P27)	44	3.4	14.4
9	Influenza and pneumonia (J09–J18) ²	61	2.1	9.8	9	Influenza and pneumonia (J09–J18) ²	28	2.2	9.1
10	Disorders related to short gestation and low birth weight, not elsewhere classified (P07)	53	1.8	8.5	10	Disorders related to short gestation and low birth weight, not elsewhere classified (P07)	22	1.7	7.2
...	All other causes (residual)	834	28.6	133.9	10	Necrotizing enterocolitis of newborn (P77)	22	1.7	7.2
...					...	All other causes (residual)	319	24.6	104.0
Postneonates, non-Hispanic black, male									
...	All causes	1,621	100.0	512.3					
1	Sudden infant death syndrome (R95)	391	24.1	123.6					
2	Accidents (unintentional injuries) (V01–X59)	193	11.9	61.0					
3	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	171	10.5	54.0					
4	Diseases of the circulatory system (I00–I99)	84	5.2	26.5					
5	Gastritis, duodenitis, and noninfective enteritis and colitis (K29,K50–K55)	65	4.0	20.5					
6	Septicemia (A40–A41)	54	3.3	17.1					
6	Assault (homicide) (*U01,X85–Y09)	54	3.3	17.1					
8	Chronic respiratory disease originating in the perinatal period (P27)	52	3.2	16.4					
9	Influenza and pneumonia (J09–J18) ²	33	2.0	10.4					
10	Disorders related to short gestation and low birth weight, not elsewhere classified (P07)	31	1.9	9.8					
...	All other causes (residual)	493	30.4	155.8					

... Category not applicable.

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

¹Based on number of deaths; see "Technical Notes."

²ICD-10 code J09 (Influenza due to identified avian influenza virus) was added to the category in 2007.

Technical Notes

Nature and sources of data

Data in this report are based on information from all death certificates filed in the 50 states and the District of Columbia in 2008 and processed by the Centers for Disease Control and Prevention's National Center for Health Statistics (NCHS). The U.S. Standard Certificate of Death, which is used as a model by the states, was revised in 2003 (16,17). Prior to this, it had last been revised in 1989 (18,19). This report includes data for the District of Columbia and 30 states that used the 2003 revision in 2008 (Arkansas, California, Connecticut, Delaware, Florida, Georgia, Idaho, Illinois, Indiana, Kansas, Michigan, Montana, Nebraska, Nevada, New Hampshire, New Jersey, New Mexico, New York, North Dakota, Ohio, Oklahoma, Oregon, Rhode Island, South Carolina, South Dakota, Texas, Utah, Vermont, Washington, and Wyoming) and the remaining 20 states that continued to use the 1989 revision in 2008. Vermont implemented the 2003 revision in July 2008, so data for the first half of the year were based on the 1989 revision. Most of the items presented in this report are largely comparable despite changes to item wording and format in 2003; hence, data from both groups of reporting areas are combined unless otherwise stated.

Mortality statistics are based on information from death certificates coded by the states and provided to NCHS through the Vital Statistics Cooperative Program and from copies of original certificates received by NCHS from the state registration offices. In 2008, all of the states and the District of Columbia participated in this program and submitted part or all of the mortality data for 2008 in electronic data files to NCHS. All states provided precoded medical (cause-of-death) data to NCHS except Georgia, New Jersey, and West Virginia. All states provide precoded demographic data for deaths. However, because Georgia experienced problems implementing the 2003 revision of the death certificate in 2008, its demographic data had to be compiled from various sources (3). In addition, variables normally included in vital statistics data were omitted from a large proportion of Georgia's 2008 file, such as birthplace of decedent, place (type of institution or home) of death, marital status of decedent, and county of death. Additional details are provided in the "Technical Notes" of "Deaths: Final Data for 2008." These variable omissions did not adversely impact the data for this report.

Cause-of-death classification

The mortality statistics presented here were compiled in accordance with the World Health Organization (WHO) regulations, which specify that member nations classify and code causes of death in accordance with the current revision of the *International Statistical Classification of Diseases and Related Health Problems* (ICD). The ICD provides the basic guidance used in virtually all countries to code and classify causes of death. Effective with deaths occurring in 1999, the United States began using the 10th revision of this classification (ICD-10) (4).

The ICD not only details disease classification but also provides definitions, tabulation lists, the format of the death certificate, and the rules for coding cause of death. Cause-of-death data presented in this publication were coded by procedures outlined in annual issues of the *NCHS Instruction Manuals* (20-22). The manuals include rules for

selecting the underlying cause of death for tabulation purposes, definitions, tabulation lists, and regulations on the use of the classification.

Prior to 1968, mortality medical data were based on manual coding of an underlying cause of death for each certificate in accordance with WHO rules. Effective with data year 1968, NCHS converted to computerized coding of the underlying cause and manual coding of all causes (multiple causes) on the death certificate. In this system, called "Automated Classification of Medical Entities" (ACME) (23), multiple-cause codes serve as inputs to computer software that employs WHO rules to select the underlying cause. Many states have implemented ACME and provide multiple-cause and underlying-cause data to NCHS in electronic form; for those states that have not, NCHS coded the mortality medical data using ACME.

ACME is used to select the underlying cause of death for all death certificates in the United States. In addition, NCHS has developed two computer systems as inputs to ACME. Beginning with 1990 data, the Mortality Medical Indexing, Classification, and Retrieval (MICAR) system (24,25), was introduced to automate coding multiple causes of death. In addition, MICAR provides more detailed information on the conditions reported on death certificates than is available through the ICD code structure. Then, beginning with data year 1993, SuperMICAR, an enhancement of the MICAR system, was introduced. SuperMICAR allows for literal entry of the multiple cause-of-death text as reported by the certifier. This information is then processed automatically by MICAR and ACME. Records that cannot be processed automatically by MICAR or SuperMICAR are multiple-cause coded manually and then further processed through ACME.

In this report, tabulations of cause-of-death statistics are based solely on the underlying cause of death. The underlying cause is defined by WHO as the disease or injury that initiated the train of events leading directly to death, or the circumstances of the accident or violence that produced the fatal injury (4). The underlying cause is selected from the conditions entered by the physician in the cause-of-death section of the death certificate. When more than one cause or condition is entered by the physician, the underlying cause is determined by the sequence of conditions on the certificate, provisions of the ICD, and associated selection rules and modifications. Generally, more medical information is reported on death certificates than is directly reflected in the underlying cause of death. This information is captured in NCHS multiple cause-of-death statistics (26-28).

Terrorism-related deaths

Starting in 2001, terrorism deaths are classified using a set of codes and guidelines developed by NCHS within the framework of ICD-10 (29,30). The codes developed include *U01-*U02 for terrorism involving an assault (homicide) and *U03 for terrorism involving intentional self-harm (suicide). The asterisk (*) preceding these codes indicates that the code was introduced by the United States but is not officially part of the ICD. Codes from the "U" Chapter of ICD-10 were selected because this chapter was reserved specifically for "future additions and changes and for possible interim classifications to solve difficulties arising at the national and international levels between revisions" (4). To maintain international comparability in reporting homicide and suicide rates, deaths coded to *U01-*U02 are included in tabulations of leading causes of death with other homicides (*U01-*U02, X85-Y09, and

Y87.1), and deaths coded to *U03 are included with other suicides (*U03, X60–X84, and Y87.0). No terrorism deaths were represented in 2008 mortality statistics.

Coding and processing changes in 2008

Rules for coding a cause or causes of death may sometimes require modification when evidence suggests that such modifications will improve the quality of cause-of-death data. Prior to 1999, such modifications were made only when a new revision of the ICD was implemented. A process for updating the ICD was introduced with ICD–10 that allows for midrevision changes. These changes, however, may affect comparability of data between years for select causes of death. Minor changes may be implemented every year, whereas major changes may be implemented every 3 years.

In data year 2008, no ICD codes were added or deleted. However, some changes in coding rules were implemented, which had an impact on several causes of death (3):

- From 2007 to 2008, there was an increase in deaths from Chronic obstructive pulmonary disease with acute lower respiratory infection, ICD–10 code J44.0. Consequently, an increase in deaths followed in the larger rankable category Chronic lower respiratory diseases (CLRD), J40–J47. These changes occurred because many deaths that had previously been assigned to Chronic obstructive pulmonary disease, unspecified (J44.9); Pneumonia (J12–J18); and Other acute lower respiratory infections (J20–J22 and U04) were instead classified to J44.0. The latter two reassignments contributed in part to the increase in deaths from CLRD. In 2007, J44.0 accounted for 0.2 percent of all CLRD deaths; in 2008, it accounted for 17.3 percent.
- Deaths from Cerebrovascular diseases, I60–I69, and Atherosclerosis, I70, decreased from 2007 to 2008 partly because deaths that had been previously assigned to these causes were instead assigned to Vascular dementia, F01.
- Some deaths that had previously been coded to other causes were instead coded to Alzheimer’s disease, G30, contributing in part to an increase in deaths from Alzheimer’s disease in 2008.
- An increase in deaths from Essential hypertension and hypertensive renal disease (hypertension), I10, I12, and I15, was observed in 2008. This may be due, in part, to the reassignment of deaths from Aortic aneurysm and dissection, I71, to Essential (primary) hypertension, I10, a component of the larger rankable hypertension category.

Changes in mortality statistics for each of the causes mentioned above should be interpreted with caution.

In addition to changes in coding rules in 2008, processing problems with Georgia’s vital statistics data occurred. Along with difficulties associated with implementing the 2003 revision of the death certificate, Georgia also experienced difficulties resolving the cause of death on some death certificates. Consequently, from 2007 to 2008, the number of deaths in Georgia classified to Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified, R99, increased from 280 to 2,443. More than half of the R99 deaths were classified only as “pending investigation.” A disproportionate number of deaths with this classification tended to be deaths from external causes of injury, which require referrals to coroners and medical examiners. Therefore, cause-of-death data

from Georgia, especially concerning external causes, should be interpreted with caution. Changes in the rank order of deaths in Georgia from 2007 to 2008, especially for unintentional injuries, may be due in part to Georgia’s processing problems (for rankings by state, see http://www.cdc.gov/nchs/nvss/mortality_tables.htm). However, the impact of these problems on the rank order of deaths at the national level seems to be negligible.

Race and Hispanic origin

Race and Hispanic origin are reported separately on the death certificate. Therefore, data shown by race include persons of Hispanic or non-Hispanic origin, and data for Hispanic origin include persons of any race. In this report, unless otherwise specified, decedents of Hispanic origin are included in the totals for each race group—white, black, American Indian or Alaska Native (AIAN), and Asian or Pacific Islander (API)—according to the decedent’s race as reported on the death certificate. Data shown for Hispanic persons include all persons of Hispanic origin of any race.

The 2003 revision of the U.S. Standard Certificate of Death allows the reporting of more than one race (multiple races) (17). This change was implemented to reflect the increasing diversity of the U.S. population and is consistent with the decennial census. The race and ethnicity items on the revised certificate are compliant with the most recent standards issued by the Office of Management and Budget (OMB) in 1997, which mandate the collection of more than one race for federal data (31). In addition, the new certificate is compliant with the OMB-mandated minimum of five races to be reported for federal data. Multiple race includes any combination of white, black or African American, AIAN, and API. If two or more specific subgroups such as Korean and Chinese are reported, they count as a single race (Asian) rather than as multiple races.

In 2008, multiple race was reported for the entire year on the revised death certificates of Arkansas, California, Connecticut, Delaware, District of Columbia, Florida, Georgia, Idaho, Illinois, Indiana, Kansas, Michigan, Montana, Nebraska, Nevada, New Hampshire, New Jersey, New Mexico, New York, North Dakota, Ohio, Oklahoma, Oregon, Rhode Island, South Carolina, South Dakota, Texas, Utah, Washington, and Wyoming, as well as on the unrevised certificates of Hawaii, Maine, Minnesota, and Wisconsin. In addition, multiple race was reported for Vermont as of July 2008 once the revised certificate had been implemented. More than one race was reported for 0.4 percent of the records in the District of Columbia and the 33 states that reported multiple-race information for the entire year (excluding Vermont). Data from the remaining states are based on the 1989 revision of the U.S. Standard Certificate of Death, which follows the older 1977 OMB standard of allowing only a single race to be reported (18,32). In addition, these states report a minimum of four races as stipulated by said standard: white, black or African American, AIAN, and API.

To provide uniformity and comparability of data during the transition to the new multiple-race format, it was necessary to bridge the responses of those who reported multiple races to a single race in a procedure similar to that used to bridge multiracial population estimates (33,34). Multiracial decedents are imputed to a single race (either white, black, AIAN, or API) according to their combination of races, Hispanic origin, sex, and age indicated on the death certificate. The imputation procedure is described in detail at http://www.cdc.gov/nchs/data/dvs/Multiple_race_docu_5-10-04.pdf.

Mortality data for the Hispanic-origin population are based on deaths of residents of all 50 states and the District of Columbia. Data year 1997 was the first year in which mortality data for the Hispanic population were available for the entire United States.

Quality of race and Hispanic origin data

Death counts and rates for Hispanic, AIAN, and API persons should be interpreted with caution because of misreporting of race on the death certificate. A number of studies (11–14) have been conducted on the reliability of race reported on the death certificate by comparing race on the death certificate with that reported on another data collection instrument, such as the census or a survey. Differences may arise because of differences in who provides race information on the compared records. Race information on the death certificate is reported by the funeral director as provided by an informant or, in the absence of an informant, on the basis of observation. In contrast, race on the census or on the Current Population Survey is obtained while the individual is alive and is self-reported or reported by another household member familiar with the individual and, therefore, may be considered more valid. A high level of agreement between the death certificate and the census or survey report is essential to assure unbiased death rates by race.

Studies (11–14,35) have shown that a person self-reported as AIAN, API, or Hispanic origin on census or survey records was sometimes reported as white on the death certificate. The net effect of misclassification is an underestimation of deaths and death rates for races other than white and black and for Hispanic origin. Deaths for the AIAN population are underreported by 30 percent, the API population by 7 percent, and the Hispanic-origin population by 5 percent (14). In addition, undercoverage of some minority groups in the census and resultant population estimates introduces biases into death rates by race and Hispanic origin (11–14,35,36). Unlike the 1990 census, coverage error in the 2000 census was statistically significant only for the non-Hispanic white population (overcounted by an estimated 1.13 percent) and the non-Hispanic black population (undercounted by an estimated 1.84 percent) (36). For a more detailed discussion, see “Deaths: Final Data for 2008” (3).

Other races and race not stated

Beginning in 1992, all records coded as “Other races” (0.40 percent of total deaths in 2008) were assigned to the specified race of the previous record. Records for which race was unknown, not stated, or not classifiable (0.22 percent) were assigned the racial designation of the previous record.

Infant mortality rates

For 2008, as in previous years, infant deaths continued to be tabulated by the race of the decedent. However, beginning with the 1989 data year, the method of tabulating live births by race was changed from race of parents to race of mother as stated on the birth certificate. This change affects infant mortality rates because live births are the denominators of these rates (19,37,38).

Quantitatively, the change to tabulating live births by race of mother results in more white births and fewer black births and births of other races. Consequently, infant and maternal mortality rates under the new tabulating procedure tend to be about 2 percent lower for

white infants and about 5 percent higher for black infants than when they are computed by the previous method of tabulating live births by race of parents. Rates for most other minority races also are higher when computed by race of mother (19,37,38).

Infant mortality rates for the Hispanic-origin population are based on numbers of resident infant deaths reported to be of Hispanic origin and numbers of resident live births by Hispanic origin of mother for the United States. In computing infant mortality rates, deaths and live births of unknown origin are not distributed among the specified Hispanic and non-Hispanic groups. The percentage of infant deaths of unknown origin was 0.8 percent, and the percentage of live births to mothers of unknown origin was 0.8 percent for the United States in 2008.

Infant mortality rates for specified race and Hispanic origin are subject to error because of reporting problems that affect the classification of race and Hispanic origin on the birth and death certificates for the same infant. Infant mortality rates by specified race and Hispanic origin are more accurate when based on the linked file of infant deaths and live births (15). 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 information on the birth certificate is considered to be more accurate than that on the death certificate because, on the birth certificate, race and Hispanic origin are generally reported by the mother at the time of delivery. In contrast, on the death certificate, race and Hispanic origin are reported by an informant—often the mother, but sometimes the funeral director. Estimates of reporting errors have been made by comparing rates based on the linked files with those in which the race of the infant decedent is based on information from the death certificate (11,15).

Computation of rates and population bases

Rates in this report (except for infant mortality rates) are crude death rates presented per 100,000 estimated population in a specified group. Population estimates represent the population at risk of dying in a specified group. The populations used for computing death rates in this report are estimates for July 1, 2008, and were produced under a collaborative arrangement with the U.S. Census Bureau (39). Population estimates for the AIAN population increased significantly from 2007 to 2008, especially for younger age groups, so death rates for this population may not be comparable to rates for previous years. For additional information, see “Deaths: Final Data for 2008” (3).

Reflecting the current standards for the classification of race and ethnicity issued in 1997 by OMB, U.S. Census 2000 included an option for individuals to report more than one race, as appropriate, for themselves and household members (31). In addition, the standards specified five minimum race categories to be used for tabulation: AIAN, Asian, black or African American, Native Hawaiian or Other Pacific Islander (NHOPI), and white. This is a modification of the previous 1977 OMB standards in which only four race categories were specified (Asian and Pacific Islander persons were treated as a single group) and respondents reported only one of the four (32). Death certificates from some reporting areas currently collect only one race for the decedent according to the 1977 OMB guidelines and are thus incompatible with population data based on the 2000 census for calculating death rates. In 2008, multiple-race information was reported on the

revised death certificates of 34 states (including Vermont as of July 2008) and the District of Columbia, as well as on the unrevised certificates of four states (referenced above). A total of 16 states reported single-race information on unrevised death certificates.

To produce year 2000 populations with race categories comparable with those still used on some death certificates, the enumerated population data with multiple-race categories was bridged back to single-race categories. In addition, the 2000 census counts were modified to be consistent with the older (1977) OMB racial categories (i.e., data for Asian persons and NHOPI persons were combined into a single category, API). The procedures used to produce the bridged populations are described in separate publications (33,34). It is anticipated that bridged population data will be used over the next few years for computing population-based rates. Beginning with deaths occurring in 2003, some states collected multiple-race data on the death certificate. Once all states begin collecting data on race according to the 1997 OMB standards, the use of bridged populations is expected to be discontinued.

It is important to emphasize that the population data used to calculate the race-specific mortality statistics presented in this report are based on special estimation procedures and are not true counts. The estimation procedures used to develop these populations are subject to error. Smaller populations (e.g., AIAN) are likely to be affected much more than larger populations (33). Although the nature and magnitude of these errors are unknown, the potential for error should be kept in mind when evaluating trends and differentials. Over the next several years, additional information will be incorporated in the estimation procedures, resulting in more robust race-specific population estimates.

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

Infant mortality rates are the most commonly used index for measuring the risk of dying during the first year of life. Infant mortality rates use the number of live births to approximate the population at risk of dying before the first birthday. They are calculated by dividing the number of infant deaths in a calendar year by the number of live births registered for the same period and are presented as rates per 100,000 live births. Neonatal and postneonatal mortality rates are also calculated using live births in the denominator. For final birth figures used in the denominator for infant mortality rates, see "Births: Final Data for 2008" (40).

Random variation

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

variability (see Reference 3 for a more detailed discussion of random variation and formulas for calculating standard errors for death rates and infant mortality rates).

Table I. Estimated population, by age, race, and sex: United States, July 1, 2008

Age	All races			White			Black			American Indian or Alaska Native			Asian or Pacific Islander		
	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female
Total	304,059,724	149,924,604	154,135,120	245,240,252	121,605,170	123,635,082	40,366,208	19,292,523	21,073,685	3,421,898	1,709,310	1,712,588	15,031,366	7,317,601	7,713,765
Less than 1 year	4,313,132	2,207,690	2,105,442	3,303,657	1,691,150	1,612,507	714,935	365,598	349,337	69,589	35,470	34,119	224,951	115,472	109,479
1-4 years	16,692,720	8,540,168	8,152,552	12,869,936	6,590,971	6,278,965	2,687,827	1,368,244	1,319,583	256,864	130,335	126,529	878,093	450,618	427,475
5-9 years	20,065,249	10,259,114	9,806,135	15,632,076	8,006,377	7,625,699	3,156,812	1,603,424	1,553,388	281,965	142,924	139,041	994,396	506,389	488,007
10-14 years	20,054,627	10,262,469	9,792,158	15,574,533	7,988,740	7,585,793	3,253,351	1,652,701	1,600,650	272,130	138,302	133,828	954,613	482,726	471,887
15-19 years	21,514,358	11,027,264	10,487,094	16,662,559	8,559,130	8,103,429	3,586,485	1,819,323	1,767,162	305,291	154,438	150,853	960,023	494,373	465,650
20-24 years	21,058,981	10,845,428	10,213,553	16,524,874	8,544,406	7,980,468	3,250,780	1,644,797	1,605,983	297,384	152,033	145,351	985,943	504,192	481,751
25-34 years	40,931,565	20,900,039	20,031,526	32,105,575	16,569,463	15,536,112	5,810,759	2,829,377	2,981,382	512,674	266,340	246,334	2,502,557	1,234,859	1,267,698
35-44 years	42,501,130	21,314,357	21,186,773	33,822,754	17,170,525	16,652,229	5,619,214	2,644,143	2,975,071	454,838	230,142	224,696	2,604,324	1,269,547	1,334,777
45-54 years	44,372,065	21,852,633	22,519,432	36,427,923	18,144,132	18,283,791	5,409,421	2,499,724	2,909,697	438,122	213,168	224,954	2,096,599	995,609	1,100,990
55-64 years	33,686,181	16,250,639	17,435,542	28,426,499	13,871,733	14,554,766	3,518,248	1,569,555	1,948,693	288,798	138,561	150,237	1,452,636	670,790	781,846
65 years and over	38,869,716	16,464,803	22,404,913	33,889,866	14,468,543	19,421,323	3,358,376	1,295,637	2,062,739	244,243	107,597	136,646	1,377,231	593,026	784,205
65-74 years	20,122,941	9,264,928	10,858,013	17,293,994	8,047,111	9,246,883	1,894,759	790,665	1,104,094	144,627	67,471	77,156	789,561	359,681	429,880
75-84 years	13,025,007	5,336,310	7,688,697	11,473,986	4,749,213	6,724,773	1,046,798	381,204	665,594	70,991	30,577	40,414	433,232	175,316	257,916
85 years and over	5,721,768	1,863,565	3,858,203	5,121,886	1,672,219	3,449,667	416,819	123,768	293,051	28,625	9,549	19,076	154,438	58,029	96,409

NOTE: Population estimates are based on the 2000 census; see "Technical Notes."

SOURCE: U.S. Census Bureau.

Table II. Estimated population, by age, Hispanic origin, race for non-Hispanic population, and sex: United States, July 1, 2008

Age	All origins			Hispanic			Non-Hispanic			Non-Hispanic white			Non-Hispanic black		
	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female
Total	304,059,724	149,924,604	154,135,120	46,943,613	24,254,397	22,689,216	257,116,111	125,670,207	131,445,904	201,743,519	99,084,508	102,659,011	38,312,684	18,275,573	20,037,111
Less than 1 year	4,313,132	2,207,690	2,105,442	1,108,343	566,826	541,517	3,204,789	1,640,864	1,563,925	2,306,276	1,181,261	1,125,015	644,230	329,246	314,984
1-4 years	16,692,720	8,540,168	8,152,552	4,179,653	2,135,043	2,044,610	12,513,067	6,405,125	6,107,942	9,094,587	4,662,799	4,431,788	2,431,957	1,237,180	1,194,777
5-9 years	20,065,249	10,259,114	9,806,135	4,464,342	2,280,560	2,183,782	15,600,907	7,978,554	7,622,353	11,515,225	5,902,815	5,612,410	2,954,676	1,500,176	1,454,500
10-14 years	20,054,627	10,262,469	9,792,158	3,989,401	2,041,595	1,947,806	16,065,226	8,220,874	7,844,352	11,901,243	6,108,166	5,793,077	3,065,453	1,556,981	1,508,472
15-19 years	21,514,358	11,027,264	10,487,094	3,850,233	1,980,860	1,869,373	17,664,125	9,046,404	8,617,721	13,116,171	6,733,047	6,383,124	3,407,815	1,728,334	1,679,481
20-24 years	21,058,981	10,845,428	10,213,553	3,662,998	1,945,788	1,717,210	17,395,983	8,899,640	8,496,343	13,133,182	6,738,696	6,394,486	3,096,171	1,565,166	1,531,005
25-34 years	40,931,565	20,900,039	20,031,526	8,182,108	4,513,854	3,668,254	32,749,457	16,386,185	16,363,272	24,471,915	12,341,802	12,130,113	5,493,184	2,669,196	2,823,988
35-44 years	42,501,130	21,314,357	21,186,773	7,008,807	3,729,153	3,279,654	35,492,323	17,585,204	17,907,119	27,277,726	13,672,597	13,605,129	5,343,875	2,511,935	2,831,940
45-54 years	44,372,065	21,852,633	22,519,432	4,982,378	2,541,799	2,440,579	39,389,687	19,310,834	20,078,853	31,785,860	15,768,527	16,017,333	5,209,411	2,404,791	2,804,620
55-64 years	33,686,181	16,250,639	17,435,542	2,854,039	1,378,617	1,475,422	30,832,142	14,872,022	15,960,120	25,762,182	12,583,341	13,178,841	3,404,078	1,516,472	1,887,606
65 years and over	38,869,716	16,464,803	22,404,913	2,661,311	1,140,302	1,521,009	36,208,405	15,324,501	20,883,904	31,379,152	13,391,457	17,987,695	3,261,834	1,256,096	2,005,738
65-74 years	20,122,941	9,264,928	10,858,013	1,505,643	679,897	825,746	18,617,298	8,585,031	10,032,267	15,878,197	7,407,063	8,471,134	1,837,750	765,810	1,071,940
75-84 years	13,025,007	5,336,310	7,688,697	842,437	348,292	494,145	12,182,570	4,988,018	7,194,552	10,676,435	4,418,722	6,257,713	1,017,695	369,934	647,761
85 years and over	5,721,768	1,863,565	3,858,203	313,231	112,113	201,118	5,408,537	1,751,452	3,657,085	4,824,520	1,565,672	3,258,848	406,389	120,352	286,037

NOTE: Population estimates are based on the 2000 census; see "Technical Notes."

SOURCE: U.S. Census Bureau.

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