

Deaths: Final Data for 2017

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Technical Notes Addendum for Supplemental Tables of “Deaths: Final Data for 2017”

This addendum to the [Technical Notes](#) for “Deaths: Final Data for 2017” (available from: https://www.cdc.gov/nchs/data/nvsr/nvsr68/nvsr68_09-508.pdf) provides additional information specific to supplemental tables [I-4](#) through [I-9](#) and [I-18](#) through [I-20](#).

Hispanic subgroup

Mortality data for 2017 for the United States by specified Hispanic subgroup are presented in [Table I-4](#). Hispanic subgroups shown in the table include Mexican, Puerto Rican, Cuban, Central American, South American, Dominican, and Other Hispanic populations. Mortality for Hispanic persons is somewhat understated because of net underreporting of Hispanic origin on the death certificate (by an estimated 3%) (1,2). Underreporting of Hispanic origin on the death certificate is relatively stable across age groups (1).

Data by specified Hispanic population are affected by whether a state submits literal text to the National Center for Health Statistics (NCHS), so making it possible to identify decedents as being of Mexican, Puerto Rican, Cuban, Central American, South American, or Dominican descent.

Marital status

Mortality data for 2017 for the United States by marital status are presented in [Table I-5](#). Mortality data by marital status are generally of high quality. A study of death certificate data using the 1986 National Mortality Followback Survey showed a high level of consistency in reporting marital status (3).

Educational attainment

Mortality data for 2017 by educational attainment for reporting states are presented in [Table I-6](#). Beginning in 2003, some registration areas adopted the new Standard Certificate of Death, which includes a revised educational attainment item. The revised item is consistent with U.S. Census Bureau efforts to improve the ability to identify specific degrees and persons who had completed 12 years of education but did not hold either a high school diploma or General Educational Development high school equivalency diploma, known as a GED. Based on Census Bureau testing, the new item identifies about 2% more persons with less than a high school diploma or equivalent, 13% fewer persons with a high school diploma, and 8% more persons with at least some college (4). In 2017, the District of Columbia and the following 49 states used the revised item: Alabama, Alaska, Arizona, Arkansas, California, Colorado, Connecticut, Delaware, Florida, Georgia, Hawaii, Idaho, Illinois, Indiana, Iowa, Kansas, Kentucky, Louisiana, Maine, Maryland, Massachusetts, Michigan, Minnesota, Mississippi, Missouri, Montana, Nebraska, Nevada, New Hampshire, New Jersey, New Mexico, New York, North Carolina, North Dakota, Ohio, Oklahoma, Oregon, Pennsylvania, Rhode Island, South Carolina, South Dakota, Tennessee, Texas,

Utah, Vermont, Virginia, Washington, Wisconsin, and Wyoming. The unrevised education item continued to be used by West Virginia for part of the year before the state began using the revised education item.

[Table I-6](#) shows mortality data for ages 25–64 by educational attainment for the 49 states that used the 2003 version of the standard death certificate in 2017 for the full year. Because the educational attainment item on the revised and unrevised versions are not fully comparable, data by educational attainment are not shown for West Virginia. Data were approximately 80% or more complete on a state-of-occurrence basis. Data are not shown for ages under 25 because persons under age 25 may not have completed their education. Data for those aged 65 and over are not shown because reporting quality is poorer at older ages (5). Age-adjusted death rates by educational attainment were computed based on the age-specific rates and the standard population for those aged 25–64.

[Table I-7](#) shows a 2002 to 2017 comparison of the percent distribution of deaths by measures of educational attainment for areas using the 2003 revised certificate in 2017 and for the same areas using the 1989 revision. Georgia, Rhode Island, and South Dakota are excluded because those states were not reporting education in 2002 and, so, do not have comparison data. West Virginia is excluded because the state was still using the 1989 revision for part of 2017.

Injury at work

Number of deaths, age-specific death rates, and age-adjusted death rates for injury at work are shown in [Tables I-8](#) and [I-9](#). Deaths, crude death rates, and age-adjusted death rates for injury at work are shown for those aged 15 and over. Age-adjusted death rates for injury at work were computed using age-specific death rates and the 2000 U.S. standard population for those aged 15 and over; see “Computing rates” in [Technical Notes](#) of “Deaths: Final Data for 2017” (available from: https://www.cdc.gov/nchs/data/nvsr/nvsr68/nvsr68_09-508.pdf). Information on deaths attributed to injuries at work is derived from a separate item on the death certificate that asks the medical certifier whether the death resulted from an injury sustained at work. This item is on the death certificate of all states.

Population bases for computing rates

Population estimates and their standard errors (SEs) in [Table I-18](#) for specified Hispanic populations (Mexican, Puerto Rican, Cuban, Central American, South American, Dominican, and Other Hispanic populations), in [Table I-19](#) by marital status, and in [Table I-20](#) by educational attainment were prepared by the Census Bureau. These estimates are based on the 2017 1-year American Community Survey (ACS) (6) adjusted to resident population control totals and, as such, are subject to sampling variation; see “Random variation” section. The control totals used for population estimates in [Tables I-18](#) and [I-19](#) are 2010-based postcensal estimates for the United States for July 1, 2017. The control totals used for population estimates in [Table I-20](#) are 2010-based postcensal estimates for July 1, 2017, for the District of Columbia and the 49 states that reported mortality

data by educational attainment using the 2003 version of the U.S. Standard Certificate of Death for the full year.

Previously, population estimates based on the Current Population Survey (CPS) were used to compute death rates by Hispanic subgroup, educational attainment, and marital status. Beginning in 2010, population estimates based on ACS were used to compute these rates. ACS estimates are more statistically reliable and represent the entire U.S. population. ACS estimates are based on a 4.5 million person sample of the U.S. population, including all households (civilian and military) and the institutionalized population (persons living in group quarters). CPS estimates are based on an approximate 200,000 sample of only the civilian noninstitutionalized U.S. population.

Population estimates used for computing age-specific rates in Tables I-8 and I-9 represent the population residing in the United States, enumerated as of April 1 for census years and estimated as of July 1 for all other years. Population estimates used to compute death rates for the United States for 2017 are shown for 5-year age groups by race and Hispanic origin in Table III in the Technical Notes of “Deaths: Final Data for 2017” (available from: https://www.cdc.gov/nchs/data/nvsr/nvsr68/nvsr68_09-508.pdf). These estimates are available by single years of age from: https://www.cdc.gov/nchs/nvss/bridged_race.htm.

Computing rates

Rates are on an annual basis per 100,000 estimated population residing in the specified area. Age-specific rates in Tables I-4, I-5, and I-6 were computed using population estimates from the 2017 1-year ACS (6) (for additional detail, see “Population bases for computing rates”). Population estimates used for computing age-specific rates in Tables I-8 and I-9 were computed using United States resident population estimates, enumerated as of April 1 for census years and estimated as of July 1 for all other years. Age-adjusted death rates were computed based on age-specific rates and the 2000 U.S. standard population (see Table V in the Technical Notes of “Deaths: Final Data for 2017,” available from: https://www.cdc.gov/nchs/data/nvsr/nvsr68/nvsr68_09-508.pdf).

Age-adjusted rates by marital status were computed by applying the age-specific death rates to the U.S. standard population for those aged 25 and over. Although age-specific death rates by marital status are shown for the age group 15–24, they are not included in the calculation of age-adjusted rates because of their high variability, particularly for the widowed population. Age groups 75–84 and 85 and over are combined because of the high variability in death rates for the age group 85 and over, particularly for the never-married population.

Prior to data year 2010, death rates by marital status were computed using population estimates from CPS. Rates computed using population estimates from ACS may not be comparable with rates computed using population estimates from CPS. Furthermore, previously published rates by marital status for 2001–2009 were computed using population estimates based on the 2000 census; therefore, rates by marital status for 2010–2017 are not comparable with previously published rates for earlier years.

Age-adjusted rates by educational attainment were computed by applying the age-specific death rates to the U.S. standard population for those aged 25–64. Data for those aged 65 and over are not shown because reporting quality is poorer for older ages (5).

Age-adjusted rates for injury at work were computed by applying the age-specific death rates to the U.S. standard population for those aged 15 and over.

Random variation

Death rates for Mexican, Puerto Rican, Cuban, Central American, South American, Dominican, and Other Hispanic populations in Table I-4, by marital status in Table I-5, and by educational attainment in Table I-6 are based on population estimates derived from ACS (6) for 2017 and adjusted to resident population control totals. As a result, the rates are subject to sampling variability in the denominator as well as random variability in the numerator.

For crude and age-specific death rates (R), the standard error is calculated as

$$1. \quad SE(R) = R \cdot \sqrt{\frac{1}{D} + \left(\frac{SE(P)}{P}\right)^2}$$

For age-adjusted death rates (R')

$$2. \quad SE(R') = \sqrt{\sum_i \left\{ \left(\frac{P_{si}}{P_s}\right)^2 \cdot R_i^2 \left[\frac{1}{D_i} + \left(\frac{SE(P_i)}{P_i}\right)^2 \right] \right\}}$$

where $SE(P)$ in Formulas 1 and 2 represents the SEs of ACS population estimates. The SEs of ACS population estimates used in this report are presented in Table I-4 by Mexican, Puerto Rican, Cuban, Central American, South American, Dominican, and Other Hispanic populations; in Table I-5 by marital status; and in Table I-6 by educational attainment.

Suppression of unreliable rates—In Tables I-4, I-5, and I-6, sampling variability in the population denominator has a substantial impact on the overall variability in the death rate. Therefore, the number of deaths in the numerator is not used as the sole suppression factor. Relative standard errors (RSEs) for rates shown in Tables I-4, I-5, and I-6 are derived from Formulas 1 and 2 by dividing the result of Formula 1 by the crude–age-specific rate, and the result of Formula 2 by the age-adjusted rate, and then multiplying by 100. Rates are replaced by asterisks if the calculated (RSE) is 23% or more.

Mortality data presented in Tables I-8 and I-9 are not subject to sampling error but may be affected by random variation (see “Random variation” in the Technical Notes of “Deaths: Final Data for 2017,” available from: https://www.cdc.gov/nchs/data/nvsr/nvsr68/nvsr68_09-508.pdf).

References

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Table I-1. Number of deaths, death rates, and age-adjusted death rates for drug-induced causes, by race and Hispanic origin and sex: United States, 1999–2017

[Rates are on an annual basis per 100,000 population in specified group; age-adjusted rates are per 100,000 U.S. standard population; see Technical Notes in this report. Rates are based on populations enumerated as of April 1 for census years and estimated as of July 1 for all other years; see Technical Notes. Race and Hispanic-origin categories are consistent with 1977 Office of Management and Budget (OMB) standards. Data for specified race or Hispanic-origin groups other than non-Hispanic white and non-Hispanic black should be interpreted with caution because of inconsistencies in reporting these items on death certificates and surveys, although misclassification is very minor for the Hispanic and non-Hispanic Asian or Pacific Islander populations; see Technical Notes. A listing of the *International Classification of Diseases, 10th Revision (ICD-10)* codes included in this table can be found in the note at the bottom of the table]

| Year | Total ¹ | | | Non-Hispanic white ² | | | Non-Hispanic black ² | | | Non-Hispanic American Indian or Alaska Native ^{2,3} | | | Non-Hispanic Asian or Pacific Islander ^{2,4} | | | Hispanic | | |
|------|--------------------|--------|--------|---------------------------------|--------|--------|---------------------------------|-------|--------|--|------|--------|---|------|--------|------------|-------|--------|
| | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female |
| | Number | | | | | | | | | | | | | | | | | |
| 2017 | 73,990 | 48,967 | 25,023 | 56,232 | 36,166 | 20,066 | 9,406 | 6,602 | 2,804 | 731 | 444 | 287 | 803 | 583 | 220 | 6,322 | 4,797 | 1,525 |
| 2016 | 67,265 | 43,931 | 23,334 | 52,156 | 33,288 | 18,868 | 7,719 | 5,292 | 2,427 | 693 | 401 | 292 | 686 | 487 | 199 | 5,540 | 4,130 | 1,410 |
| 2015 | 55,403 | 34,815 | 20,588 | 43,917 | 26,902 | 17,015 | 5,505 | 3,664 | 1,841 | 593 | 353 | 240 | 577 | 416 | 161 | 4,387 | 3,175 | 1,212 |
| 2014 | 49,714 | 30,510 | 19,204 | 39,820 | 23,949 | 15,871 | 4,730 | 3,019 | 1,711 | 580 | 343 | 237 | 487 | 313 | 174 | 3,790 | 2,687 | 1,103 |
| 2013 | 46,471 | 28,381 | 18,090 | 37,359 | 22,332 | 15,027 | 4,282 | 2,766 | 1,516 | 509 | 265 | 244 | 456 | 302 | 154 | 3,616 | 2,546 | 1,070 |
| 2012 | 43,819 | 26,594 | 17,225 | 35,497 | 21,175 | 14,322 | 3,842 | 2,402 | 1,440 | 516 | 274 | 242 | 416 | 279 | 137 | 3,272 | 2,283 | 989 |
| 2011 | 43,544 | 26,444 | 17,100 | 35,510 | 21,233 | 14,277 | 3,766 | 2,355 | 1,411 | 483 | 267 | 216 | 419 | 266 | 153 | 3,152 | 2,175 | 977 |
| 2010 | 40,393 | 24,376 | 16,017 | 33,145 | 19,689 | 13,456 | 3,502 | 2,170 | 1,332 | 439 | 239 | 200 | 334 | 205 | 129 | 2,788 | 1,944 | 844 |
| 2009 | 39,147 | 24,015 | 15,132 | 31,749 | 19,107 | 12,642 | 3,588 | 2,274 | 1,314 | 456 | 267 | 189 | 331 | 216 | 115 | 2,811 | 2,013 | 798 |
| 2008 | 38,649 | 23,928 | 14,721 | 31,448 | 19,044 | 12,404 | 3,589 | 2,326 | 1,263 | 413 | 249 | 164 | 285 | 172 | 113 | 2,761 | 2,033 | 728 |
| 2007 | 38,371 | 23,883 | 14,488 | 30,755 | 18,760 | 11,995 | 4,126 | 2,662 | 1,464 | 363 | 185 | 178 | 288 | 164 | 124 | 2,723 | 2,045 | 678 |
| 2006 | 38,396 | 24,507 | 13,889 | 29,970 | 18,634 | 11,336 | 4,722 | 3,212 | 1,510 | 376 | 229 | 147 | 311 | 187 | 124 | 2,871 | 2,135 | 736 |
| 2005 | 33,541 | 21,208 | 12,333 | 26,186 | 16,170 | 10,016 | 4,019 | 2,612 | 1,407 | 344 | 194 | 150 | 260 | 164 | 96 | 2,596 | 1,969 | 627 |
| 2004 | 30,711 | 19,362 | 11,349 | 24,201 | 14,952 | 9,249 | 3,577 | 2,309 | 1,268 | 332 | 195 | 137 | 229 | 149 | 80 | 2,257 | 1,671 | 586 |
| 2003 | 28,723 | 18,426 | 10,297 | 22,245 | 13,959 | 8,286 | 3,466 | 2,256 | 1,210 | 275 | 154 | 121 | 213 | 128 | 85 | 2,358 | 1,800 | 558 |
| 2002 | 26,040 | 16,734 | 9,306 | 19,949 | 12,478 | 7,471 | 3,404 | 2,264 | 1,140 | 214 | 123 | 91 | 189 | 113 | 76 | 2,137 | 1,647 | 490 |
| 2001 | 21,705 | 14,253 | 7,452 | 16,367 | 10,465 | 5,902 | 3,099 | 2,113 | 986 | 179 | 97 | 82 | 154 | 103 | 51 | 1,731 | 1,335 | 396 |
| 2000 | 19,720 | 13,137 | 6,583 | 14,585 | 9,439 | 5,146 | 2,977 | 2,050 | 927 | 143 | 86 | 57 | 130 | 81 | 49 | 1,700 | 1,348 | 352 |
| 1999 | 19,128 | 12,885 | 6,243 | 13,644 | 8,831 | 4,813 | 3,030 | 2,134 | 896 | 155 | 90 | 65 | 137 | 81 | 56 | 1,965 | 1,605 | 360 |

Table I-1. Number of deaths, death rates, and age-adjusted death rates for drug-induced causes, by race and Hispanic origin and sex: United States, 1999–2017

[Rates are on an annual basis per 100,000 population in specified group; age-adjusted rates are per 100,000 U.S. standard population; see Technical Notes in this report. Rates are based on populations enumerated as of April 1 for census years and estimated as of July 1 for all other years; see Technical Notes. Race and Hispanic-origin categories are consistent with 1977 Office of Management and Budget (OMB) standards. Data for specified race or Hispanic-origin groups other than non-Hispanic white and non-Hispanic black should be interpreted with caution because of inconsistencies in reporting these items on death certificates and surveys, although misclassification is very minor for the Hispanic and non-Hispanic Asian or Pacific Islander populations; see Technical Notes. A listing of the *International Classification of Diseases, 10th Revision (ICD-10)* codes included in this table can be found in the note at the bottom of the table]

| Year | Total ¹ | | | Non-Hispanic white ² | | | Non-Hispanic black ² | | | Non-Hispanic American Indian or Alaska Native ^{2,3} | | | Non-Hispanic Asian or Pacific Islander ^{2,4} | | | Hispanic | | |
|------|--------------------|------|--------|---------------------------------|------|--------|---------------------------------|------|--------|--|------|--------|---|------|--------|------------|------|--------|
| | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female |
| | Rate | | | | | | | | | | | | | | | | | |
| 2017 | 22.7 | 30.5 | 15.1 | 27.9 | 36.4 | 19.7 | 22.1 | 32.3 | 12.6 | 26.8 | 33.2 | 20.6 | 4.0 | 6.0 | 2.1 | 10.7 | 16.1 | 5.2 |
| 2016 | 20.8 | 27.6 | 14.2 | 25.9 | 33.5 | 18.5 | 18.3 | 26.2 | 11.1 | 25.6 | 30.1 | 21.1 | 3.5 | 5.2 | 2.0 | 9.6 | 14.2 | 5.0 |
| 2015 | 17.2 | 22.0 | 12.6 | 21.8 | 27.1 | 16.7 | 13.2 | 18.3 | 8.5 | 22.0 | 26.7 | 17.5 | 3.0 | 4.6 | 1.6 | 7.8 | 11.1 | 4.3 |
| 2014 | 15.6 | 19.4 | 11.9 | 19.8 | 24.2 | 15.6 | 11.4 | 15.3 | 7.9 | 21.7 | 26.2 | 17.4 | 2.6 | 3.6 | 1.8 | 6.8 | 9.6 | 4.0 |
| 2013 | 14.7 | 18.2 | 11.3 | 18.6 | 22.6 | 14.7 | 10.5 | 14.2 | 7.1 | 19.3 | 20.4 | 18.1 | 2.6 | 3.6 | 1.7 | 6.7 | 9.3 | 4.0 |
| 2012 | 14.0 | 17.2 | 10.8 | 17.7 | 21.4 | 14.1 | 9.5 | 12.4 | 6.8 | 19.7 | 21.3 | 18.1 | 2.4 | 3.4 | 1.5 | 6.2 | 8.5 | 3.8 |
| 2011 | 14.0 | 17.3 | 10.8 | 17.7 | 21.5 | 14.0 | 9.4 | 12.3 | 6.8 | 18.6 | 20.9 | 16.3 | 2.5 | 3.4 | 1.8 | 6.1 | 8.2 | 3.8 |
| 2010 | 13.1 | 16.1 | 10.2 | 16.6 | 20.0 | 13.2 | 8.9 | 11.5 | 6.5 | 17.1 | 19.0 | 15.3 | 2.1 | 2.7 | 1.5 | 5.5 | 7.6 | 3.4 |
| 2009 | 12.8 | 15.9 | 9.7 | 15.9 | 19.4 | 12.4 | 9.2 | 12.2 | 6.4 | 17.9 | 21.3 | 14.5 | 2.1 | 2.9 | 1.4 | 5.7 | 8.0 | 3.3 |
| 2008 | 12.7 | 16.0 | 9.5 | 15.7 | 19.4 | 12.2 | 9.3 | 12.6 | 6.2 | 16.3 | 20.1 | 12.7 | 1.9 | 2.3 | 1.4 | 5.8 | 8.4 | 3.1 |
| 2007 | 12.7 | 16.1 | 9.5 | 15.4 | 19.1 | 11.8 | 10.8 | 14.6 | 7.3 | 14.5 | 15.0 | 14.0 | 1.9 | 2.3 | 1.6 | 5.9 | 8.7 | 3.0 |
| 2006 | 12.9 | 16.7 | 9.2 | 15.0 | 19.1 | 11.2 | 12.5 | 17.9 | 7.6 | 15.2 | 18.8 | 11.7 | 2.2 | 2.7 | 1.7 | 6.4 | 9.4 | 3.4 |
| 2005 | 11.3 | 14.6 | 8.2 | 13.2 | 16.6 | 9.9 | 10.8 | 14.7 | 7.2 | 14.0 | 16.1 | 12.0 | 1.9 | 2.5 | 1.3 | 6.0 | 9.0 | 3.0 |
| 2004 | 10.5 | 13.5 | 7.6 | 12.2 | 15.4 | 9.1 | 9.7 | 13.2 | 6.6 | 13.7 | 16.3 | 11.1 | 1.7 | 2.3 | 1.2 | 5.4 | 7.9 | 2.9 |
| 2003 | 9.9 | 12.9 | 7.0 | 11.2 | 14.4 | 8.2 | 9.5 | 13.0 | 6.3 | 11.4 | 13.0 | 9.9 | 1.6 | 2.0 | 1.3 | 5.9 | 8.8 | 2.9 |
| 2002 | 9.1 | 11.8 | 6.4 | 10.1 | 12.9 | 7.4 | 9.4 | 13.2 | 6.0 | 9.0 | 10.5 | 7.5 | 1.5 | 1.9 | 1.2 | 5.5 | 8.3 | 2.6 |
| 2001 | 7.6 | 10.2 | 5.1 | 8.3 | 10.8 | 5.8 | 8.7 | 12.5 | 5.3 | 7.6 | 8.3 | 6.8 | 1.3 | 1.8 | 0.8 | 4.7 | 7.0 | 2.2 |
| 2000 | 7.0 | 9.5 | 4.6 | 7.4 | 9.8 | 5.1 | 8.5 | 12.3 | 5.0 | 6.1 | 7.4 | 4.8 | 1.1 | 1.5 | 0.8 | 4.8 | 7.4 | 2.1 |
| 1999 | 6.9 | 9.4 | 4.4 | 6.9 | 9.2 | 4.8 | 8.7 | 12.9 | 4.9 | 6.8 | 8.1 | 5.6 | 1.3 | 1.5 | 1.0 | 5.8 | 9.2 | 2.2 |

Table I-1. Number of deaths, death rates, and age-adjusted death rates for drug-induced causes, by race and Hispanic origin and sex: United States, 1999–2017

[Rates are on an annual basis per 100,000 population in specified group; age-adjusted rates are per 100,000 U.S. standard population; see Technical Notes in this report. Rates are based on populations enumerated as of April 1 for census years and estimated as of July 1 for all other years; see Technical Notes. Race and Hispanic-origin categories are consistent with 1977 Office of Management and Budget (OMB) standards. Data for specified race or Hispanic-origin groups other than non-Hispanic white and non-Hispanic black should be interpreted with caution because of inconsistencies in reporting these items on death certificates and surveys, although misclassification is very minor for the Hispanic and non-Hispanic Asian or Pacific Islander populations; see Technical Notes. A listing of the *International Classification of Diseases, 10th Revision (ICD–10)* codes included in this table can be found in the note at the bottom of the table]

| Year | Total ¹ | | | Non-Hispanic white ² | | | Non-Hispanic black ² | | | Non-Hispanic American Indian or Alaska Native ^{2,3} | | | Non-Hispanic Asian or Pacific Islander ^{2,4} | | | Hispanic | | |
|------|--------------------------------|------|--------|---------------------------------|------|--------|---------------------------------|------|--------|--|------|--------|---|------|--------|------------|------|--------|
| | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female |
| | Age-adjusted rate ⁵ | | | | | | | | | | | | | | | | | |
| 2017 | 22.8 | 30.5 | 15.2 | 28.8 | 37.4 | 20.1 | 21.9 | 32.7 | 12.5 | 27.9 | 34.4 | 21.6 | 3.7 | 5.6 | 2.0 | 11.2 | 16.8 | 5.5 |
| 2016 | 20.8 | 27.6 | 14.2 | 26.6 | 34.3 | 18.7 | 18.2 | 26.6 | 10.9 | 26.3 | 30.6 | 21.9 | 3.3 | 5.0 | 1.8 | 10.1 | 14.8 | 5.3 |
| 2015 | 17.2 | 21.9 | 12.5 | 22.1 | 27.5 | 16.7 | 13.2 | 18.7 | 8.4 | 22.8 | 27.6 | 18.1 | 2.8 | 4.3 | 1.6 | 8.2 | 11.7 | 4.7 |
| 2014 | 15.5 | 19.3 | 11.7 | 19.8 | 24.3 | 15.3 | 11.5 | 15.6 | 7.9 | 22.5 | 26.9 | 18.3 | 2.5 | 3.4 | 1.7 | 7.3 | 10.3 | 4.4 |
| 2013 | 14.6 | 18.0 | 11.1 | 18.5 | 22.5 | 14.5 | 10.5 | 14.5 | 7.1 | 20.0 | 21.1 | 18.8 | 2.5 | 3.5 | 1.6 | 7.3 | 10.0 | 4.4 |
| 2012 | 13.8 | 17.0 | 10.7 | 17.6 | 21.4 | 13.8 | 9.6 | 12.8 | 6.8 | 20.3 | 21.8 | 18.7 | 2.3 | 3.2 | 1.4 | 6.8 | 9.3 | 4.2 |
| 2011 | 13.9 | 17.0 | 10.7 | 17.6 | 21.4 | 13.8 | 9.5 | 12.7 | 6.8 | 19.3 | 21.8 | 16.9 | 2.4 | 3.2 | 1.7 | 6.6 | 8.9 | 4.3 |
| 2010 | 12.9 | 15.9 | 10.0 | 16.4 | 19.8 | 12.9 | 9.0 | 11.9 | 6.5 | 17.6 | 19.7 | 15.6 | 2.0 | 2.6 | 1.5 | 6.1 | 8.4 | 3.8 |
| 2009 | 12.6 | 15.7 | 9.5 | 15.7 | 19.2 | 12.1 | 9.4 | 12.8 | 6.5 | 18.6 | 22.3 | 15.0 | 2.1 | 2.8 | 1.4 | 6.4 | 8.9 | 3.7 |
| 2008 | 12.6 | 15.8 | 9.4 | 15.6 | 19.2 | 11.9 | 9.6 | 13.3 | 6.3 | 16.6 | 20.5 | 13.0 | 1.8 | 2.3 | 1.3 | 6.4 | 9.3 | 3.5 |
| 2007 | 12.6 | 16.0 | 9.3 | 15.2 | 19.0 | 11.5 | 11.2 | 15.5 | 7.5 | 15.0 | 15.4 | 14.3 | 1.9 | 2.2 | 1.6 | 6.6 | 9.7 | 3.4 |
| 2006 | 12.8 | 16.6 | 9.1 | 14.9 | 18.9 | 10.9 | 13.1 | 19.2 | 7.9 | 16.2 | 19.8 | 12.7 | 2.2 | 2.8 | 1.7 | 7.3 | 10.6 | 3.9 |
| 2005 | 11.3 | 14.5 | 8.1 | 13.0 | 16.3 | 9.6 | 11.3 | 15.9 | 7.4 | 14.7 | 16.8 | 12.6 | 1.9 | 2.5 | 1.3 | 6.9 | 10.2 | 3.5 |
| 2004 | 10.5 | 13.4 | 7.6 | 12.1 | 15.2 | 8.9 | 10.3 | 14.5 | 6.8 | 14.1 | 16.8 | 11.5 | 1.7 | 2.4 | 1.2 | 6.3 | 9.1 | 3.4 |
| 2003 | 9.9 | 12.9 | 7.0 | 11.1 | 14.2 | 8.0 | 10.1 | 14.3 | 6.6 | 11.9 | 13.5 | 10.3 | 1.6 | 2.0 | 1.2 | 6.7 | 10.1 | 3.3 |
| 2002 | 9.1 | 11.8 | 6.3 | 9.9 | 12.6 | 7.2 | 10.1 | 14.5 | 6.3 | 9.3 | 10.7 | 7.8 | 1.6 | 2.0 | 1.2 | 6.3 | 9.5 | 3.0 |
| 2001 | 7.6 | 10.1 | 5.1 | 8.1 | 10.5 | 5.7 | 9.3 | 13.8 | 5.5 | 8.0 | 9.1 | 7.1 | 1.3 | 1.8 | 0.8 | 5.3 | 8.0 | 2.5 |
| 2000 | 7.0 | 9.5 | 4.6 | 7.2 | 9.6 | 4.9 | 9.1 | 13.6 | 5.3 | 6.3 | 7.6 | 4.9 | 1.1 | 1.4 | 0.8 | 5.4 | 8.3 | 2.4 |
| 1999 | 6.8 | 9.4 | 4.4 | 6.8 | 8.9 | 4.6 | 9.4 | 14.4 | 5.2 | 7.1 | 8.5 | 5.8 | 1.3 | 1.5 | 1.0 | 6.4 | 10.3 | 2.5 |

¹Includes deaths for origin not stated; see Technical Notes.

²Multiple-race data were reported by 50 states and the District of Columbia (D.C.) in 2017, 49 states and D.C. in 2016, 48 states and D.C. in 2015, 46 states and D.C. in 2014, 42 states and D.C. in 2012 and 2013, 38 states and D.C. in 2011, 37 states and D.C. in 2010, 34 states and D.C. in 2008 and 2009, 27 states and D.C. in 2007, 25 states and D.C. in 2006, 21 states and D.C. in 2005, 15 states in 2004, and 7 states in 2003; see Technical Notes. Multiple-race data for these reporting areas were bridged to the single-race categories of 1977 OMB standards for comparability with other reporting areas; see Technical Notes.

³Includes Aleut and Eskimo persons.

⁴Includes Chinese, Filipino, Hawaiian, Japanese, and other Asian or Pacific Islander persons.

⁵For method of computation, see Technical Notes.

NOTES: Causes of death attributable to drug-induced mortality include ICD–10 codes D52.1, D59.0, D59.2, D61.1, D64.2, E06.4, E16.0, E23.1, E24.2, E27.3, E66.1, F11.1–F11.5, F11.7–F11.9, F12.1–F12.5, F12.7–F12.9, F13.1–F13.5, F13.7–F13.9, F14.1–F14.5, F14.7–F14.9, F15.1–F15.5, F15.7–F15.9, F16.1–F16.5, F16.7–F16.9, F17.3–F17.5, F17.7–F17.9, F18.1–F18.5, F18.7–F18.9, F19.1–F19.5, F19.7–F19.9, G21.1, G24.0, G25.1, G25.4, G25.6, G44.4, G62.0, G72.0, I95.2, J70.2–J70.4, K85.3, L10.5, L27.0–L27.1, M10.2, M32.0, M80.4, M81.4, M83.5, M87.1, R50.2, R78.1–R78.5, X40–X44, X60–X64, X85, and Y10–Y14. In 2006, the list of drug-induced codes was modified to include two new ICD–10 codes, Drug-induced acute pancreatitis (K85.3) and Drug-induced fever (R50.2).

SOURCE: NCHS, National Vital Statistics System, Mortality.

Table I-2. Number of deaths, death rates, and age-adjusted death rates for alcohol-induced causes, by race and Hispanic origin and sex: United States, 1999–2017

[Rates are on an annual basis per 100,000 population in specified group; age-adjusted rates are per 100,000 U.S. standard population; see Technical Notes in this report. Rates are based on populations enumerated as of April 1 for census years and estimated as of July 1 for all other years; see Technical Notes. Race and Hispanic-origin categories are consistent with 1977 Office of Management and Budget (OMB) standards. Data for specified race or Hispanic-origin groups other than non-Hispanic white and non-Hispanic black should be interpreted with caution because of inconsistencies in reporting these items on death certificates and surveys, although misclassification is very minor for the Hispanic and non-Hispanic Asian or Pacific Islander populations; see Technical Notes. A listing of the *International Classification of Diseases, 10th Revision* (ICD-10) codes included in this table can be found in the note at the bottom of the table]

| Year | Total ¹ | | | Non-Hispanic white ² | | | Non-Hispanic black ² | | | Non-Hispanic American Indian or Alaska Native ^{2,3} | | | Non-Hispanic Asian or Pacific Islander ^{2,4} | | | Hispanic | | |
|------|--------------------|--------|--------|---------------------------------|--------|--------|---------------------------------|-------|--------|--|------|--------|---|------|--------|------------|-------|--------|
| | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female |
| | Number | | | | | | | | | | | | | | | | | |
| 2017 | 35,823 | 25,911 | 9,912 | 26,064 | 18,486 | 7,578 | 3,022 | 2,172 | 850 | 1,206 | 753 | 453 | 498 | 398 | 100 | 4,817 | 3,934 | 883 |
| 2016 | 34,865 | 25,221 | 9,644 | 25,323 | 18,000 | 7,323 | 2,963 | 2,118 | 845 | 1,225 | 781 | 444 | 415 | 327 | 88 | 4,711 | 3,814 | 897 |
| 2015 | 33,171 | 23,996 | 9,175 | 24,017 | 17,096 | 6,921 | 2,858 | 1,970 | 888 | 1,179 | 762 | 417 | 391 | 313 | 78 | 4,474 | 3,643 | 831 |
| 2014 | 30,722 | 22,389 | 8,333 | 22,298 | 15,996 | 6,302 | 2,637 | 1,868 | 769 | 1,078 | 658 | 420 | 382 | 314 | 68 | 4,127 | 3,393 | 734 |
| 2013 | 29,001 | 21,361 | 7,640 | 21,260 | 15,401 | 5,859 | 2,519 | 1,862 | 657 | 1,018 | 661 | 357 | 316 | 249 | 67 | 3,698 | 3,034 | 664 |
| 2012 | 27,762 | 20,418 | 7,344 | 20,384 | 14,754 | 5,630 | 2,385 | 1,726 | 659 | 996 | 635 | 361 | 315 | 266 | 49 | 3,513 | 2,903 | 610 |
| 2011 | 26,654 | 19,492 | 7,162 | 19,471 | 14,026 | 5,445 | 2,392 | 1,706 | 686 | 901 | 553 | 348 | 320 | 261 | 59 | 3,445 | 2,842 | 603 |
| 2010 | 25,692 | 19,038 | 6,654 | 18,806 | 13,735 | 5,071 | 2,296 | 1,661 | 635 | 893 | 581 | 312 | 247 | 201 | 46 | 3,326 | 2,759 | 567 |
| 2009 | 24,518 | 18,088 | 6,430 | 17,902 | 12,986 | 4,916 | 2,299 | 1,688 | 611 | 789 | 480 | 309 | 275 | 221 | 54 | 3,139 | 2,618 | 521 |
| 2008 | 24,189 | 18,152 | 6,037 | 17,759 | 13,160 | 4,599 | 2,240 | 1,660 | 580 | 823 | 520 | 303 | 263 | 221 | 42 | 3,021 | 2,522 | 499 |
| 2007 | 23,199 | 17,428 | 5,771 | 16,935 | 12,474 | 4,461 | 2,210 | 1,674 | 536 | 740 | 467 | 273 | 245 | 196 | 49 | 2,977 | 2,539 | 438 |
| 2006 | 22,073 | 16,472 | 5,601 | 16,114 | 11,837 | 4,277 | 2,128 | 1,561 | 567 | 691 | 438 | 253 | 254 | 219 | 35 | 2,804 | 2,341 | 463 |
| 2005 | 21,634 | 16,238 | 5,396 | 15,729 | 11,610 | 4,119 | 2,282 | 1,670 | 612 | 643 | 424 | 219 | 223 | 186 | 37 | 2,658 | 2,265 | 393 |
| 2004 | 21,081 | 15,906 | 5,175 | 15,418 | 11,428 | 3,990 | 2,318 | 1,754 | 564 | 627 | 403 | 224 | 204 | 176 | 28 | 2,406 | 2,056 | 350 |
| 2003 | 20,687 | 15,630 | 5,057 | 14,977 | 11,133 | 3,844 | 2,367 | 1,787 | 580 | 643 | 418 | 225 | 173 | 152 | 21 | 2,422 | 2,048 | 374 |
| 2002 | 20,218 | 15,272 | 4,946 | 14,494 | 10,783 | 3,711 | 2,396 | 1,768 | 628 | 582 | 375 | 207 | 189 | 152 | 37 | 2,408 | 2,065 | 343 |
| 2001 | 20,114 | 15,149 | 4,965 | 14,186 | 10,497 | 3,689 | 2,677 | 2,016 | 661 | 576 | 375 | 201 | 154 | 121 | 33 | 2,381 | 2,026 | 355 |
| 2000 | 19,643 | 14,993 | 4,650 | 13,815 | 10,408 | 3,407 | 2,672 | 1,959 | 713 | 527 | 346 | 181 | 163 | 130 | 33 | 2,323 | 2,024 | 299 |
| 1999 | 19,469 | 14,894 | 4,575 | 13,633 | 10,337 | 3,296 | 2,794 | 2,066 | 728 | 574 | 384 | 190 | 142 | 118 | 24 | 2,184 | 1,864 | 320 |

Table I-2. Number of deaths, death rates, and age-adjusted death rates for alcohol-induced causes, by race and Hispanic origin and sex: United States, 1999–2017

[Rates are on an annual basis per 100,000 population in specified group; age-adjusted rates are per 100,000 U.S. standard population; see Technical Notes in this report. Rates are based on populations enumerated as of April 1 for census years and estimated as of July 1 for all other years; see Technical Notes. Race and Hispanic-origin categories are consistent with 1977 Office of Management and Budget (OMB) standards. Data for specified race or Hispanic-origin groups other than non-Hispanic white and non-Hispanic black should be interpreted with caution because of inconsistencies in reporting these items on death certificates and surveys, although misclassification is very minor for the Hispanic and non-Hispanic Asian or Pacific Islander populations; see Technical Notes. A listing of the *International Classification of Diseases, 10th Revision* (ICD-10) codes included in this table can be found in the note at the bottom of the table]

| Year | Total ¹ | | | Non-Hispanic white ² | | | Non-Hispanic black ² | | | Non-Hispanic American Indian or Alaska Native ^{2,3} | | | Non-Hispanic Asian or Pacific Islander ^{2,4} | | | Hispanic | | |
|------|--------------------|------|--------|---------------------------------|------|--------|---------------------------------|------|--------|--|------|--------|---|------|--------|------------|------|--------|
| | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female |
| | Rate | | | | | | | | | | | | | | | | | |
| 2017 | 11.0 | 16.2 | 6.0 | 13.0 | 18.6 | 7.4 | 7.1 | 10.6 | 3.8 | 44.2 | 56.2 | 32.6 | 2.5 | 4.1 | 0.9 | 8.2 | 13.2 | 3.0 |
| 2016 | 10.8 | 15.9 | 5.9 | 12.6 | 18.1 | 7.2 | 7.0 | 10.5 | 3.8 | 45.2 | 58.7 | 32.2 | 2.1 | 3.5 | 0.9 | 8.2 | 13.1 | 3.2 |
| 2015 | 10.3 | 15.2 | 5.6 | 11.9 | 17.2 | 6.8 | 6.8 | 9.9 | 4.1 | 43.8 | 57.7 | 30.5 | 2.0 | 3.4 | 0.8 | 7.9 | 12.7 | 3.0 |
| 2014 | 9.6 | 14.3 | 5.1 | 11.1 | 16.2 | 6.2 | 6.4 | 9.5 | 3.6 | 40.4 | 50.3 | 30.9 | 2.1 | 3.6 | 0.7 | 7.5 | 12.1 | 2.7 |
| 2013 | 9.2 | 13.7 | 4.8 | 10.6 | 15.6 | 5.7 | 6.2 | 9.5 | 3.1 | 38.5 | 51.0 | 26.5 | 1.8 | 2.9 | 0.7 | 6.8 | 11.0 | 2.5 |
| 2012 | 8.8 | 13.2 | 4.6 | 10.2 | 14.9 | 5.5 | 5.9 | 8.9 | 3.1 | 38.0 | 49.4 | 27.0 | 1.8 | 3.2 | 0.5 | 6.6 | 10.8 | 2.3 |
| 2011 | 8.6 | 12.7 | 4.5 | 9.7 | 14.2 | 5.3 | 6.0 | 8.9 | 3.3 | 34.7 | 43.4 | 26.3 | 1.9 | 3.3 | 0.7 | 6.6 | 10.7 | 2.4 |
| 2010 | 8.3 | 12.5 | 4.2 | 9.4 | 14.0 | 5.0 | 5.8 | 8.8 | 3.1 | 34.8 | 46.1 | 23.8 | 1.5 | 2.6 | 0.5 | 6.6 | 10.8 | 2.3 |
| 2009 | 8.0 | 12.0 | 4.1 | 9.0 | 13.2 | 4.8 | 5.9 | 9.1 | 3.0 | 30.9 | 38.3 | 23.8 | 1.7 | 2.9 | 0.7 | 6.4 | 10.4 | 2.1 |
| 2008 | 8.0 | 12.1 | 3.9 | 8.9 | 13.4 | 4.5 | 5.8 | 9.0 | 2.9 | 32.5 | 41.9 | 23.6 | 1.7 | 3.0 | 0.5 | 6.3 | 10.4 | 2.1 |
| 2007 | 7.7 | 11.8 | 3.8 | 8.5 | 12.7 | 4.4 | 5.8 | 9.2 | 2.7 | 29.6 | 38.0 | 21.4 | 1.6 | 2.8 | 0.6 | 6.4 | 10.8 | 1.9 |
| 2006 | 7.4 | 11.2 | 3.7 | 8.1 | 12.1 | 4.2 | 5.6 | 8.7 | 2.9 | 27.9 | 36.0 | 20.1 | 1.8 | 3.2 | 0.5 | 6.3 | 10.3 | 2.1 |
| 2005 | 7.3 | 11.2 | 3.6 | 7.9 | 11.9 | 4.1 | 6.1 | 9.4 | 3.1 | 26.2 | 35.2 | 17.6 | 1.6 | 2.8 | 0.5 | 6.2 | 10.3 | 1.9 |
| 2004 | 7.2 | 11.1 | 3.5 | 7.8 | 11.7 | 3.9 | 6.3 | 10.0 | 2.9 | 25.8 | 33.7 | 18.2 | 1.5 | 2.7 | 0.4 | 5.8 | 9.7 | 1.7 |
| 2003 | 7.1 | 11.0 | 3.4 | 7.6 | 11.5 | 3.8 | 6.5 | 10.3 | 3.0 | 26.7 | 35.3 | 18.4 | 1.3 | 2.4 | 0.3 | 6.0 | 10.0 | 1.9 |
| 2002 | 7.0 | 10.8 | 3.4 | 7.3 | 11.1 | 3.7 | 6.6 | 10.3 | 3.3 | 24.4 | 32.0 | 17.1 | 1.5 | 2.5 | 0.6 | 6.2 | 10.4 | 1.8 |
| 2001 | 7.1 | 10.8 | 3.4 | 7.2 | 10.8 | 3.7 | 7.5 | 11.9 | 3.5 | 24.4 | 32.2 | 16.8 | 1.3 | 2.1 | 0.5 | 6.4 | 10.6 | 2.0 |
| 2000 | 7.0 | 10.9 | 3.2 | 7.0 | 10.8 | 3.4 | 7.6 | 11.7 | 3.9 | 22.5 | 29.9 | 15.2 | 1.4 | 2.4 | 0.6 | 6.6 | 11.1 | 1.7 |
| 1999 | 7.0 | 10.9 | 3.2 | 6.9 | 10.7 | 3.3 | 8.0 | 12.5 | 4.0 | 25.3 | 34.4 | 16.5 | 1.3 | 2.2 | 0.4 | 6.4 | 10.7 | 1.9 |

Table I-2. Number of deaths, death rates, and age-adjusted death rates for alcohol-induced causes, by race and Hispanic origin and sex: United States, 1999–2017

[Rates are on an annual basis per 100,000 population in specified group; age-adjusted rates are per 100,000 U.S. standard population; see Technical Notes in this report. Rates are based on populations enumerated as of April 1 for census years and estimated as of July 1 for all other years; see Technical Notes. Race and Hispanic-origin categories are consistent with 1977 Office of Management and Budget (OMB) standards. Data for specified race or Hispanic-origin groups other than non-Hispanic white and non-Hispanic black should be interpreted with caution because of inconsistencies in reporting these items on death certificates and surveys, although misclassification is very minor for the Hispanic and non-Hispanic Asian or Pacific Islander populations; see Technical Notes. A listing of the *International Classification of Diseases, 10th Revision* (ICD–10) codes included in this table can be found in the note at the bottom of the table]

| Year | Total ¹ | | | Non-Hispanic white ² | | | Non-Hispanic black ² | | | Non-Hispanic American Indian or Alaska Native ^{2,3} | | | Non-Hispanic Asian or Pacific Islander ^{2,4} | | | Hispanic | | |
|------|--------------------------------|------|--------|---------------------------------|------|--------|---------------------------------|------|--------|--|------|--------|---|------|--------|------------|------|--------|
| | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female |
| | Age-adjusted rate ⁵ | | | | | | | | | | | | | | | | | |
| 2017 | 9.6 | 14.3 | 5.3 | 10.3 | 14.8 | 6.1 | 6.9 | 10.9 | 3.6 | 45.7 | 58.9 | 33.6 | 2.4 | 4.1 | 0.9 | 9.9 | 16.9 | 3.5 |
| 2016 | 9.5 | 14.1 | 5.2 | 10.1 | 14.4 | 6.0 | 6.8 | 10.9 | 3.6 | 46.4 | 61.3 | 32.7 | 2.0 | 3.5 | 0.8 | 10.1 | 17.2 | 3.7 |
| 2015 | 9.1 | 13.6 | 5.0 | 9.6 | 13.8 | 5.6 | 6.7 | 10.3 | 3.9 | 45.6 | 60.9 | 31.5 | 1.9 | 3.4 | 0.7 | 9.9 | 16.9 | 3.5 |
| 2014 | 8.5 | 12.9 | 4.6 | 9.0 | 13.0 | 5.1 | 6.3 | 10.0 | 3.4 | 42.0 | 52.8 | 32.1 | 2.0 | 3.6 | 0.7 | 9.5 | 16.4 | 3.3 |
| 2013 | 8.2 | 12.5 | 4.3 | 8.6 | 12.6 | 4.8 | 6.2 | 10.2 | 3.0 | 40.2 | 54.2 | 27.4 | 1.7 | 3.0 | 0.7 | 9.0 | 15.3 | 3.1 |
| 2012 | 8.0 | 12.1 | 4.2 | 8.3 | 12.2 | 4.6 | 6.0 | 9.7 | 3.1 | 40.3 | 53.7 | 28.3 | 1.8 | 3.3 | 0.5 | 8.8 | 15.2 | 3.0 |
| 2011 | 7.7 | 11.7 | 4.1 | 8.0 | 11.7 | 4.5 | 6.1 | 9.7 | 3.2 | 36.4 | 47.0 | 26.9 | 1.9 | 3.4 | 0.7 | 9.0 | 15.6 | 3.0 |
| 2010 | 7.6 | 11.7 | 3.9 | 7.8 | 11.6 | 4.2 | 6.1 | 9.8 | 3.1 | 36.9 | 50.7 | 24.6 | 1.5 | 2.7 | 0.5 | 9.1 | 16.0 | 3.0 |
| 2009 | 7.4 | 11.3 | 3.8 | 7.5 | 11.1 | 4.1 | 6.2 | 10.2 | 3.0 | 33.0 | 41.4 | 25.0 | 1.8 | 3.1 | 0.7 | 8.9 | 15.6 | 2.9 |
| 2008 | 7.4 | 11.5 | 3.6 | 7.5 | 11.4 | 3.9 | 6.2 | 10.4 | 2.9 | 35.5 | 47.1 | 25.3 | 1.8 | 3.2 | 0.5 | 8.9 | 15.5 | 2.8 |
| 2007 | 7.2 | 11.3 | 3.5 | 7.2 | 10.9 | 3.8 | 6.3 | 10.9 | 2.8 | 32.0 | 42.7 | 22.3 | 1.7 | 3.0 | 0.7 | 9.4 | 16.8 | 2.7 |
| 2006 | 7.0 | 10.9 | 3.4 | 6.9 | 10.5 | 3.6 | 6.2 | 10.2 | 3.0 | 30.8 | 40.7 | 21.7 | 1.9 | 3.5 | 0.5 | 9.2 | 16.2 | 3.0 |
| 2005 | 7.0 | 11.0 | 3.4 | 6.8 | 10.4 | 3.5 | 6.9 | 11.3 | 3.3 | 29.1 | 40.7 | 18.9 | 1.7 | 3.1 | 0.5 | 9.1 | 16.5 | 2.6 |
| 2004 | 7.0 | 11.0 | 3.3 | 6.8 | 10.5 | 3.5 | 7.2 | 12.2 | 3.2 | 29.2 | 40.0 | 19.7 | 1.7 | 3.2 | 0.4 | 8.6 | 15.4 | 2.5 |
| 2003 | 7.0 | 11.0 | 3.3 | 6.7 | 10.4 | 3.4 | 7.5 | 12.8 | 3.3 | 30.2 | 41.4 | 20.0 | 1.5 | 2.8 | 0.3 | 9.2 | 16.4 | 2.8 |
| 2002 | 6.9 | 11.0 | 3.3 | 6.6 | 10.2 | 3.3 | 7.9 | 13.2 | 3.7 | 28.1 | 38.4 | 18.9 | 1.8 | 3.1 | 0.6 | 9.7 | 17.4 | 2.7 |
| 2001 | 7.0 | 11.2 | 3.3 | 6.5 | 10.0 | 3.3 | 9.0 | 15.3 | 4.0 | 28.4 | 39.9 | 18.6 | 1.5 | 2.6 | 0.6 | 10.1 | 18.2 | 2.9 |
| 2000 | 7.0 | 11.4 | 3.2 | 6.4 | 10.1 | 3.1 | 9.3 | 15.5 | 4.4 | 26.7 | 37.2 | 17.4 | 1.7 | 2.8 | 0.7 | 10.5 | 19.4 | 2.6 |
| 1999 | 7.1 | 11.5 | 3.2 | 6.4 | 10.2 | 3.0 | 10.0 | 16.9 | 4.6 | 30.5 | 44.3 | 18.8 | 1.5 | 2.8 | 0.5 | 10.3 | 18.6 | 3.0 |

¹Includes deaths for origin not stated; see Technical Notes.

²Multiple-race data were reported by 50 states and the District of Columbia (D.C.) in 2017, 49 states and D.C. in 2016, 48 states and D.C. in 2015, 46 states and D.C. in 2014, 42 states and D.C. in 2012 and 2013, 38 states and D.C. in 2011, 37 states and D.C. in 2010, 34 states and D.C. in 2008 and 2009, 27 states and D.C. in 2007, 25 states and D.C. in 2006, 21 states and D.C. in 2005, 15 states in 2004, and 7 states in 2003; see Technical Notes. Multiple-race data for these reporting areas were bridged to the single-race categories of 1977 OMB standards for comparability with other reporting areas; see Technical Notes.

³Includes Aleut and Eskimo persons.

⁴Includes Chinese, Filipino, Hawaiian, Japanese, and other Asian or Pacific Islander persons.

⁵For method of computation, see Technical Notes.

NOTES: Causes of death attributable to alcohol-induced mortality include ICD–10 codes E24.4, F10, G31.2, G62.1, G72.1, I42.6, K29.2, K70, K85.2, K86.0, R78.0, X45, X65, and Y15. In 2006, the list of alcohol-induced codes was modified to include a new ICD–10 code, Alcohol-induced acute pancreatitis (K85.2).

SOURCE: NCHS, National Vital Statistics System, Mortality.

Table I-3. Number of deaths, death rates, and age-adjusted death rates for firearm-related injuries, by race and Hispanic origin and sex: United States, 1999–2017

[Rates are on an annual basis per 100,000 population in specified group; age-adjusted rates are per 100,000 U.S. standard population; see Technical Notes in this report. Rates are based on populations enumerated as of April 1 for census years and estimated as of July 1 for all other years; see Technical Notes. Race and Hispanic-origin categories are consistent with 1977 Office of Management and Budget (OMB) standards. Data for specified race or Hispanic-origin groups other than non-Hispanic white and non-Hispanic black should be interpreted with caution because of inconsistencies in reporting these items on death certificates and surveys, although misclassification is very minor for the Hispanic and non-Hispanic Asian or Pacific Islander populations; see Technical Notes. A listing of the *International Classification of Diseases, 10th Revision* (ICD–10) codes included in this table can be found in the note at the bottom of the table]

| Year | Total ¹ | | | Non-Hispanic white ² | | | Non-Hispanic black ² | | | Non-Hispanic American Indian or Alaska Native ^{2,3} | | | Non-Hispanic Asian or Pacific Islander ^{2,4} | | | Hispanic | | | |
|------|--------------------|--------|--------|---------------------------------|--------|--------|---------------------------------|-------|--------|--|------|--------|---|------|--------|------------|-------|--------|--|
| | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female | |
| | Number | | | | | | | | | | | | | | | | | | |
| 2017 | 39,773 | 34,062 | 5,711 | 24,690 | 20,686 | 4,004 | 10,117 | 9,107 | 1,010 | 394 | 333 | 61 | 588 | 479 | 109 | 3,884 | 3,369 | 515 | |
| 2016 | 38,658 | 32,994 | 5,664 | 23,857 | 19,893 | 3,964 | 9,973 | 8,906 | 1,067 | 390 | 323 | 67 | 584 | 480 | 104 | 3,771 | 3,316 | 455 | |
| 2015 | 36,252 | 31,032 | 5,220 | 23,026 | 19,208 | 3,818 | 8,904 | 8,068 | 836 | 353 | 301 | 52 | 504 | 426 | 78 | 3,332 | 2,912 | 420 | |
| 2014 | 33,594 | 28,715 | 4,879 | 22,141 | 18,515 | 3,626 | 7,601 | 6,873 | 728 | 311 | 261 | 50 | 418 | 340 | 78 | 3,010 | 2,630 | 380 | |
| 2013 | 33,636 | 28,794 | 4,842 | 22,149 | 18,558 | 3,591 | 7,697 | 6,934 | 763 | 294 | 256 | 38 | 455 | 369 | 86 | 2,951 | 2,595 | 356 | |
| 2012 | 33,563 | 28,838 | 4,725 | 21,716 | 18,273 | 3,443 | 7,922 | 7,107 | 815 | 308 | 270 | 38 | 450 | 371 | 79 | 3,061 | 2,724 | 337 | |
| 2011 | 32,351 | 27,738 | 4,613 | 21,174 | 17,785 | 3,389 | 7,436 | 6,696 | 740 | 273 | 225 | 48 | 417 | 336 | 81 | 2,947 | 2,608 | 339 | |
| 2010 | 31,672 | 27,356 | 4,316 | 20,513 | 17,350 | 3,163 | 7,330 | 6,607 | 723 | 293 | 246 | 47 | 383 | 329 | 54 | 3,008 | 2,694 | 314 | |
| 2009 | 31,347 | 26,921 | 4,426 | 19,955 | 16,752 | 3,203 | 7,345 | 6,604 | 741 | 268 | 218 | 50 | 413 | 334 | 79 | 3,202 | 2,867 | 335 | |
| 2008 | 31,593 | 27,336 | 4,257 | 19,873 | 16,822 | 3,051 | 7,741 | 6,997 | 744 | 256 | 213 | 43 | 382 | 319 | 63 | 3,256 | 2,912 | 344 | |
| 2007 | 31,224 | 27,047 | 4,177 | 18,861 | 15,925 | 2,936 | 8,133 | 7,326 | 807 | 228 | 195 | 33 | 419 | 363 | 56 | 3,492 | 3,155 | 337 | |
| 2006 | 30,896 | 26,712 | 4,184 | 18,312 | 15,411 | 2,901 | 8,294 | 7,460 | 834 | 264 | 227 | 37 | 459 | 384 | 75 | 3,464 | 3,142 | 322 | |
| 2005 | 30,694 | 26,657 | 4,037 | 18,521 | 15,672 | 2,849 | 7,865 | 7,122 | 743 | 285 | 245 | 40 | 432 | 367 | 65 | 3,469 | 3,144 | 325 | |
| 2004 | 29,569 | 25,498 | 4,071 | 18,200 | 15,283 | 2,917 | 7,347 | 6,620 | 727 | 261 | 219 | 42 | 381 | 314 | 67 | 3,278 | 2,973 | 305 | |
| 2003 | 30,136 | 26,124 | 4,012 | 18,457 | 15,670 | 2,787 | 7,566 | 6,794 | 772 | 259 | 219 | 40 | 428 | 353 | 75 | 3,319 | 2,998 | 321 | |
| 2002 | 30,242 | 26,098 | 4,144 | 18,762 | 15,881 | 2,881 | 7,494 | 6,681 | 813 | 271 | 225 | 46 | 417 | 340 | 77 | 3,143 | 2,834 | 309 | |
| 2001 | 29,573 | 25,480 | 4,093 | 18,676 | 15,760 | 2,916 | 7,063 | 6,323 | 740 | 221 | 179 | 42 | 381 | 311 | 70 | 3,087 | 2,774 | 313 | |
| 2000 | 28,663 | 24,582 | 4,081 | 18,042 | 15,160 | 2,882 | 6,958 | 6,193 | 765 | 226 | 184 | 42 | 411 | 344 | 67 | 2,891 | 2,582 | 309 | |
| 1999 | 28,874 | 24,700 | 4,174 | 18,260 | 15,384 | 2,876 | 6,933 | 6,114 | 819 | 247 | 212 | 35 | 437 | 340 | 97 | 2,878 | 2,549 | 329 | |

Table I-3. Number of deaths, death rates, and age-adjusted death rates for firearm-related injuries, by race and Hispanic origin and sex: United States, 1999–2017

[Rates are on an annual basis per 100,000 population in specified group; age-adjusted rates are per 100,000 U.S. standard population; see Technical Notes in this report. Rates are based on populations enumerated as of April 1 for census years and estimated as of July 1 for all other years; see Technical Notes. Race and Hispanic-origin categories are consistent with 1977 Office of Management and Budget (OMB) standards. Data for specified race or Hispanic-origin groups other than non-Hispanic white and non-Hispanic black should be interpreted with caution because of inconsistencies in reporting these items on death certificates and surveys, although misclassification is very minor for the Hispanic and non-Hispanic Asian or Pacific Islander populations; see Technical Notes. A listing of the *International Classification of Diseases, 10th Revision* (ICD-10) codes included in this table can be found in the note at the bottom of the table]

| Year | Total ¹ | | | Non-Hispanic white ² | | | Non-Hispanic black ² | | | Non-Hispanic American Indian or Alaska Native ^{2,3} | | | Non-Hispanic Asian or Pacific Islander ^{2,4} | | | Hispanic | | |
|------|--------------------|------|--------|---------------------------------|------|--------|---------------------------------|------|--------|--|------|--------|---|------|--------|------------|------|--------|
| | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female |
| | Rate | | | | | | | | | | | | | | | | | |
| 2017 | 12.2 | 21.2 | 3.5 | 12.3 | 20.8 | 3.9 | 23.7 | 44.6 | 4.5 | 14.4 | 24.9 | 4.4 | 2.9 | 5.0 | 1.0 | 6.6 | 11.3 | 1.8 |
| 2016 | 12.0 | 20.7 | 3.5 | 11.9 | 20.0 | 3.9 | 23.7 | 44.1 | 4.9 | 14.4 | 24.3 | 4.9 | 3.0 | 5.2 | 1.0 | 6.6 | 11.4 | 1.6 |
| 2015 | 11.3 | 19.6 | 3.2 | 11.4 | 19.4 | 3.7 | 21.3 | 40.3 | 3.8 | 13.1 | 22.8 | 3.8 | 2.6 | 4.7 | 0.8 | 5.9 | 10.2 | 1.5 |
| 2014 | 10.5 | 18.3 | 3.0 | 11.0 | 18.7 | 3.6 | 18.4 | 34.8 | 3.4 | 11.7 | 19.9 | 3.7 | 2.3 | 3.9 | 0.8 | 5.4 | 9.4 | 1.4 |
| 2013 | 10.6 | 18.5 | 3.0 | 11.0 | 18.8 | 3.5 | 18.9 | 35.5 | 3.6 | 11.1 | 19.7 | 2.8 | 2.6 | 4.4 | 0.9 | 5.5 | 9.4 | 1.3 |
| 2012 | 10.7 | 18.7 | 3.0 | 10.8 | 18.5 | 3.4 | 19.6 | 36.8 | 3.9 | 11.8 | 21.0 | 2.8 | 2.6 | 4.5 | 0.9 | 5.8 | 10.1 | 1.3 |
| 2011 | 10.4 | 18.1 | 2.9 | 10.6 | 18.0 | 3.3 | 18.6 | 35.1 | 3.5 | 10.5 | 17.6 | 3.6 | 2.5 | 4.2 | 0.9 | 5.7 | 9.9 | 1.3 |
| 2010 | 10.3 | 18.0 | 2.7 | 10.2 | 17.6 | 3.1 | 18.6 | 35.1 | 3.5 | 11.4 | 19.5 | 3.6 | 2.4 | 4.3 | 0.6 | 6.0 | 10.5 | 1.3 |
| 2009 | 10.2 | 17.9 | 2.8 | 10.0 | 17.0 | 3.1 | 18.8 | 35.4 | 3.6 | 10.5 | 17.4 | 3.8 | 2.6 | 4.4 | 1.0 | 6.5 | 11.4 | 1.4 |
| 2008 | 10.4 | 18.3 | 2.8 | 9.9 | 17.1 | 3.0 | 20.0 | 38.0 | 3.7 | 10.1 | 17.2 | 3.3 | 2.5 | 4.3 | 0.8 | 6.8 | 12.0 | 1.5 |
| 2007 | 10.4 | 18.3 | 2.7 | 9.5 | 16.3 | 2.9 | 21.3 | 40.3 | 4.0 | 9.1 | 15.9 | 2.6 | 2.8 | 5.1 | 0.7 | 7.6 | 13.4 | 1.5 |
| 2006 | 10.4 | 18.2 | 2.8 | 9.2 | 15.8 | 2.9 | 22.0 | 41.5 | 4.2 | 10.7 | 18.6 | 2.9 | 3.2 | 5.6 | 1.0 | 7.8 | 13.8 | 1.5 |
| 2005 | 10.4 | 18.4 | 2.7 | 9.3 | 16.1 | 2.8 | 21.1 | 40.1 | 3.8 | 11.6 | 20.3 | 3.2 | 3.1 | 5.5 | 0.9 | 8.1 | 14.3 | 1.5 |
| 2004 | 10.1 | 17.7 | 2.7 | 9.2 | 15.7 | 2.9 | 19.9 | 37.7 | 3.8 | 10.7 | 18.3 | 3.4 | 2.8 | 4.9 | 1.0 | 7.9 | 14.0 | 1.5 |
| 2003 | 10.4 | 18.3 | 2.7 | 9.3 | 16.1 | 2.8 | 20.8 | 39.2 | 4.0 | 10.8 | 18.5 | 3.3 | 3.3 | 5.7 | 1.1 | 8.3 | 14.6 | 1.6 |
| 2002 | 10.5 | 18.5 | 2.8 | 9.5 | 16.4 | 2.9 | 20.8 | 39.0 | 4.3 | 11.4 | 19.2 | 3.8 | 3.3 | 5.6 | 1.2 | 8.1 | 14.3 | 1.6 |
| 2001 | 10.4 | 18.2 | 2.8 | 9.4 | 16.3 | 2.9 | 19.8 | 37.3 | 4.0 | 9.4 | 15.4 | 3.5 | 3.2 | 5.4 | 1.1 | 8.3 | 14.5 | 1.7 |
| 2000 | 10.2 | 17.8 | 2.8 | 9.1 | 15.7 | 2.9 | 19.8 | 37.1 | 4.2 | 9.6 | 15.9 | 3.5 | 3.6 | 6.2 | 1.1 | 8.2 | 14.2 | 1.8 |
| 1999 | 10.3 | 18.1 | 2.9 | 9.3 | 15.9 | 2.9 | 20.0 | 37.1 | 4.5 | 10.9 | 19.0 | 3.0 | 4.0 | 6.4 | 1.7 | 8.5 | 14.6 | 2.0 |

Table I-3. Number of deaths, death rates, and age-adjusted death rates for firearm-related injuries, by race and Hispanic origin and sex: United States, 1999–2017

[Rates are on an annual basis per 100,000 population in specified group; age-adjusted rates are per 100,000 U.S. standard population; see Technical Notes in this report. Rates are based on populations enumerated as of April 1 for census years and estimated as of July 1 for all other years; see Technical Notes. Race and Hispanic-origin categories are consistent with 1977 Office of Management and Budget (OMB) standards. Data for specified race or Hispanic-origin groups other than non-Hispanic white and non-Hispanic black should be interpreted with caution because of inconsistencies in reporting these items on death certificates and surveys, although misclassification is very minor for the Hispanic and non-Hispanic Asian or Pacific Islander populations; see Technical Notes. A listing of the *International Classification of Diseases, 10th Revision* (ICD–10) codes included in this table can be found in the note at the bottom of the table]

| Year | Total ¹ | | | Non-Hispanic white ² | | | Non-Hispanic black ² | | | Non-Hispanic American Indian or Alaska Native ^{2,3} | | | Non-Hispanic Asian or Pacific Islander ^{2,4} | | | Hispanic | | |
|------|--------------------------------|------|--------|---------------------------------|------|--------|---------------------------------|------|--------|--|------|--------|---|------|--------|------------|------|--------|
| | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female |
| | Age-adjusted rate ⁵ | | | | | | | | | | | | | | | | | |
| 2017 | 12.0 | 20.9 | 3.4 | 11.4 | 19.3 | 3.8 | 23.2 | 42.8 | 4.5 | 14.4 | 24.9 | 4.3 | 2.8 | 4.7 | 1.0 | 6.5 | 11.1 | 1.8 |
| 2016 | 11.8 | 20.5 | 3.4 | 11.0 | 18.7 | 3.8 | 23.0 | 42.2 | 4.8 | 14.4 | 24.4 | 4.9 | 2.9 | 4.9 | 1.0 | 6.4 | 11.2 | 1.6 |
| 2015 | 11.1 | 19.4 | 3.2 | 10.6 | 18.0 | 3.6 | 20.7 | 38.6 | 3.8 | 13.3 | 23.0 | 4.0 | 2.5 | 4.4 | 0.8 | 5.8 | 10.1 | 1.5 |
| 2014 | 10.3 | 18.0 | 3.0 | 10.1 | 17.3 | 3.4 | 17.8 | 33.3 | 3.4 | 12.0 | 20.6 | 3.9 | 2.2 | 3.7 | 0.8 | 5.4 | 9.4 | 1.4 |
| 2013 | 10.4 | 18.3 | 3.0 | 10.2 | 17.5 | 3.3 | 18.2 | 34.0 | 3.6 | 11.3 | 20.4 | 2.7 | 2.4 | 4.1 | 0.9 | 5.4 | 9.4 | 1.3 |
| 2012 | 10.5 | 18.5 | 3.0 | 10.0 | 17.2 | 3.3 | 19.0 | 35.3 | 3.8 | 11.7 | 21.2 | 2.7 | 2.5 | 4.4 | 0.8 | 5.7 | 10.1 | 1.3 |
| 2011 | 10.2 | 18.0 | 2.9 | 9.8 | 16.9 | 3.2 | 17.9 | 33.5 | 3.5 | 10.7 | 18.1 | 3.7 | 2.4 | 4.1 | 0.9 | 5.6 | 9.8 | 1.3 |
| 2010 | 10.1 | 17.9 | 2.7 | 9.5 | 16.6 | 3.0 | 17.8 | 33.4 | 3.4 | 11.2 | 18.7 | 3.9 | 2.2 | 4.1 | 0.6 | 5.9 | 10.5 | 1.3 |
| 2009 | 10.1 | 17.8 | 2.8 | 9.3 | 16.1 | 3.0 | 18.1 | 34.0 | 3.5 | 10.4 | 17.2 | 3.9 | 2.5 | 4.3 | 0.9 | 6.4 | 11.4 | 1.4 |
| 2008 | 10.3 | 18.3 | 2.7 | 9.3 | 16.2 | 2.9 | 19.1 | 36.2 | 3.6 | 10.1 | 17.4 | 3.3 | 2.4 | 4.2 | 0.7 | 6.6 | 11.7 | 1.5 |
| 2007 | 10.3 | 18.3 | 2.7 | 8.9 | 15.5 | 2.8 | 20.3 | 38.0 | 4.0 | 8.9 | 15.6 | 2.6 | 2.7 | 4.9 | 0.7 | 7.2 | 12.9 | 1.5 |
| 2006 | 10.3 | 18.2 | 2.7 | 8.7 | 15.1 | 2.7 | 20.9 | 39.4 | 4.1 | 10.5 | 18.4 | 3.0 | 3.0 | 5.2 | 0.9 | 7.3 | 12.8 | 1.4 |
| 2005 | 10.3 | 18.5 | 2.7 | 8.8 | 15.5 | 2.7 | 20.1 | 38.2 | 3.7 | 11.3 | 20.0 | 3.1 | 2.9 | 5.2 | 0.9 | 7.6 | 13.4 | 1.5 |
| 2004 | 10.0 | 17.9 | 2.7 | 8.7 | 15.2 | 2.8 | 19.1 | 36.2 | 3.7 | 10.5 | 18.1 | 3.3 | 2.7 | 4.7 | 0.9 | 7.5 | 13.2 | 1.5 |
| 2003 | 10.3 | 18.5 | 2.7 | 8.8 | 15.7 | 2.7 | 19.8 | 37.3 | 4.0 | 10.5 | 18.4 | 3.2 | 3.1 | 5.3 | 1.1 | 7.8 | 13.7 | 1.6 |
| 2002 | 10.5 | 18.7 | 2.8 | 9.0 | 16.0 | 2.8 | 19.9 | 37.2 | 4.2 | 11.0 | 18.9 | 3.6 | 3.2 | 5.5 | 1.1 | 7.7 | 13.6 | 1.6 |
| 2001 | 10.3 | 18.5 | 2.8 | 9.1 | 16.0 | 2.8 | 18.9 | 35.4 | 3.9 | 9.3 | 15.7 | 3.4 | 3.0 | 5.2 | 1.0 | 7.8 | 13.7 | 1.7 |
| 2000 | 10.2 | 18.1 | 2.8 | 8.8 | 15.5 | 2.8 | 18.9 | 35.2 | 4.1 | 9.5 | 15.9 | 3.4 | 3.4 | 6.0 | 1.1 | 7.8 | 13.6 | 1.8 |
| 1999 | 10.3 | 18.4 | 2.9 | 8.9 | 15.8 | 2.8 | 19.0 | 35.2 | 4.4 | 10.7 | 18.8 | 2.9 | 3.7 | 5.9 | 1.6 | 8.2 | 14.2 | 2.0 |

¹Includes deaths for origin not stated; see Technical Notes.

²Multiple-race data were reported by 50 states and the District of Columbia (D.C.) in 2017, 49 states and D.C. in 2016, 48 states and D.C. in 2015, 46 states and D.C. in 2014, 42 states and D.C. in 2012 and 2013, 38 states and D.C. in 2011, 37 states and D.C. in 2010, 34 states and D.C. in 2008 and 2009, 27 states and D.C. in 2007, 25 states and D.C. in 2006, 21 states and D.C. in 2005, 15 states in 2004, and 7 states in 2003; see Technical Notes. Multiple-race data for these reporting areas were bridged to the single-race categories of 1977 OMB standards for comparability with other reporting areas; see Technical Notes.

³Includes Aleut and Eskimo persons.

⁴Includes Chinese, Filipino, Hawaiian, Japanese, and other Asian or Pacific Islander persons.

⁵For method of computation, see Technical Notes.

NOTE: Causes of death attributable to firearm-related injuries include ICD–10 codes *U01.4, W32–W34, X72–X74, X93–X95, Y22–Y24, and Y35.0.

SOURCE: NCHS, National Vital Statistics System, Mortality.

Table I-4. Number of deaths and death rates by age and age-adjusted death rates, by specified Hispanic origin, race for non-Hispanic population, and sex: United States, 2017

[Rates are per 100,000 population in specified group; age-adjusted rates are per 100,000 U.S. standard population; see Technical Notes in this report. Populations used for computing death rates for "All origins," Hispanic, non-Hispanic, non-Hispanic white, and non-Hispanic black are postcensal estimates based on the 2010 census estimated as of July 1, 2017; populations used for computing death rates for Mexican, Puerto Rican, Cuban, Central American, South American, Dominican, and Other and unknown Hispanic are estimates based on the 2017 1-year American Community Survey adjusted to control totals. The control totals are 2010-based postcensal estimates for the United States for July 1, 2017; see Technical Notes. 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 death certificates and on censuses and surveys; see Technical Notes]

| Hispanic origin, race for non-Hispanic population, and sex | Age group (years) | | | | | | | | | | | | Age not stated | Age-adjusted rate ² |
|--|-------------------|----------------------|-------|-------|--------|--------|--------|---------|---------|---------|---------|-------------|----------------|--------------------------------|
| | All ages | Under 1 ¹ | 1-4 | 5-14 | 15-24 | 25-34 | 35-44 | 45-54 | 55-64 | 65-74 | 75-84 | 85 and over | | |
| | Number | | | | | | | | | | | | | |
| All origins | 2,813,503 | 22,335 | 3,880 | 5,571 | 32,025 | 60,215 | 79,796 | 170,142 | 372,006 | 531,610 | 657,759 | 878,035 | 129 | ... |
| Male | 1,439,111 | 12,468 | 2,232 | 3,269 | 23,503 | 42,149 | 50,792 | 103,804 | 225,335 | 303,931 | 336,671 | 334,866 | 91 | ... |
| Female | 1,374,392 | 9,867 | 1,648 | 2,302 | 8,522 | 18,066 | 29,004 | 66,338 | 146,671 | 227,679 | 321,088 | 543,169 | 38 | ... |
| Hispanic | 197,249 | 4,808 | 805 | 1,165 | 5,854 | 8,492 | 10,738 | 18,409 | 28,533 | 33,368 | 39,830 | 45,236 | 11 | ... |
| Male | 108,579 | 2,635 | 455 | 677 | 4,387 | 6,309 | 7,358 | 12,145 | 17,974 | 19,032 | 20,011 | 17,588 | 8 | ... |
| Female | 88,670 | 2,173 | 350 | 488 | 1,467 | 2,183 | 3,380 | 6,264 | 10,559 | 14,336 | 19,819 | 27,648 | 3 | ... |
| Mexican | 105,392 | 2,917 | 506 | 725 | 3,626 | 4,830 | 6,264 | 10,649 | 16,076 | 18,370 | 20,076 | 21,350 | 3 | ... |
| Male | 59,793 | 1,600 | 280 | 431 | 2,730 | 3,597 | 4,255 | 7,072 | 10,254 | 10,588 | 10,252 | 8,733 | 1 | ... |
| Female | 45,599 | 1,317 | 226 | 294 | 896 | 1,233 | 2,009 | 3,577 | 5,822 | 7,782 | 9,824 | 12,617 | 2 | ... |
| Puerto Rican | 25,077 | 463 | 65 | 96 | 497 | 982 | 1,379 | 2,412 | 3,751 | 4,634 | 5,406 | 5,388 | 4 | ... |
| Male | 13,592 | 260 | 42 | 51 | 360 | 722 | 983 | 1,568 | 2,333 | 2,599 | 2,709 | 1,961 | 4 | ... |
| Female | 11,485 | 203 | 23 | 45 | 137 | 260 | 396 | 844 | 1,418 | 2,035 | 2,697 | 3,427 | - | ... |
| Cuban | 16,899 | 91 | 18 | 15 | 148 | 217 | 267 | 720 | 1,473 | 2,368 | 4,575 | 7,007 | - | ... |
| Male | 8,636 | 49 | 13 | 11 | 111 | 167 | 178 | 497 | 1,020 | 1,463 | 2,348 | 2,779 | - | ... |
| Female | 8,263 | 42 | 5 | 4 | 37 | 50 | 89 | 223 | 453 | 905 | 2,227 | 4,228 | - | ... |
| Central American | 10,706 | 359 | 52 | 88 | 450 | 737 | 875 | 1,182 | 1,648 | 1,585 | 1,746 | 1,983 | 1 | ... |
| Male | 5,689 | 186 | 29 | 51 | 360 | 591 | 649 | 793 | 964 | 795 | 733 | 537 | 1 | ... |
| Female | 5,017 | 173 | 23 | 37 | 90 | 146 | 226 | 389 | 684 | 790 | 1,013 | 1,446 | - | ... |
| South American | 8,309 | 109 | 22 | 29 | 154 | 239 | 299 | 557 | 974 | 1,442 | 2,050 | 2,434 | - | ... |
| Male | 4,081 | 45 | 12 | 11 | 113 | 167 | 194 | 334 | 566 | 773 | 984 | 882 | - | ... |
| Female | 4,228 | 64 | 10 | 18 | 41 | 72 | 105 | 223 | 408 | 669 | 1,066 | 1,552 | - | ... |
| Dominican | 4,865 | 103 | 11 | 21 | 140 | 225 | 255 | 389 | 690 | 836 | 1,079 | 1,116 | - | ... |
| Male | 2,476 | 59 | 6 | 11 | 108 | 161 | 174 | 223 | 388 | 473 | 484 | 389 | - | ... |
| Female | 2,389 | 44 | 5 | 10 | 32 | 64 | 81 | 166 | 302 | 363 | 595 | 727 | - | ... |
| Other and unknown Hispanic | 26,001 | 766 | 131 | 191 | 839 | 1,262 | 1,399 | 2,500 | 3,921 | 4,133 | 4,898 | 5,958 | 3 | ... |
| Male | 14,312 | 436 | 73 | 111 | 605 | 904 | 925 | 1,658 | 2,449 | 2,341 | 2,501 | 2,307 | 2 | ... |
| Female | 11,689 | 330 | 58 | 80 | 234 | 358 | 474 | 842 | 1,472 | 1,792 | 2,397 | 3,651 | 1 | ... |
| Non-Hispanic ³ | 2,607,320 | 17,330 | 3,063 | 4,388 | 26,093 | 51,542 | 68,758 | 150,962 | 341,542 | 496,085 | 616,251 | 831,230 | 76 | ... |
| Male | 1,324,979 | 9,720 | 1,771 | 2,581 | 19,055 | 35,704 | 43,240 | 91,123 | 205,949 | 283,412 | 315,693 | 316,674 | 57 | ... |
| Female | 1,282,341 | 7,610 | 1,292 | 1,807 | 7,038 | 15,838 | 25,518 | 59,839 | 135,593 | 212,673 | 300,558 | 514,556 | 19 | ... |
| White ⁴ | 2,179,857 | 9,359 | 1,858 | 2,782 | 17,207 | 36,764 | 49,396 | 112,765 | 264,999 | 408,427 | 530,116 | 746,124 | 60 | ... |
| Male | 1,102,838 | 5,281 | 1,107 | 1,628 | 12,285 | 25,360 | 31,274 | 68,781 | 161,298 | 234,580 | 274,094 | 287,103 | 47 | ... |
| Female | 1,077,019 | 4,078 | 751 | 1,154 | 4,922 | 11,404 | 18,122 | 43,984 | 103,701 | 173,847 | 256,022 | 459,021 | 13 | ... |

Table I-4. Number of deaths and death rates by age and age-adjusted death rates, by specified Hispanic origin, race for non-Hispanic population, and sex: United States, 2017

[Rates are per 100,000 population in specified group; age-adjusted rates are per 100,000 U.S. standard population; see Technical Notes in this report. Populations used for computing death rates for "All origins," Hispanic, non-Hispanic, non-Hispanic white, and non-Hispanic black are postcensal estimates based on the 2010 census estimated as of July 1, 2017; populations used for computing death rates for Mexican, Puerto Rican, Cuban, Central American, South American, Dominican, and Other and unknown Hispanic are estimates based on the 2017 1-year American Community Survey adjusted to control totals. The control totals are 2010-based postcensal estimates for the United States for July 1, 2017; see Technical Notes. 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 death certificates and on censuses and surveys; see Technical Notes]

| Hispanic origin, race for non-Hispanic population, and sex | Age group (years) | | | | | | | | | | | | Age not stated | Age-adjusted rate ² |
|--|-------------------|----------------------|------|------|-------|-------|-------|-------|---------|---------|---------|-------------|----------------|--------------------------------|
| | All ages | Under 1 ¹ | 1-4 | 5-14 | 15-24 | 25-34 | 35-44 | 45-54 | 55-64 | 65-74 | 75-84 | 85 and over | | |
| Non-Hispanic ³ | 977.4 | 595.8 | 25.8 | 14.3 | 77.9 | 143.1 | 212.2 | 425.5 | 915.8 | 1,828.3 | 4,555.4 | 13,870.6 | ... | 753.8 |
| Male | 1,014.3 | 653.0 | 29.2 | 16.5 | 111.1 | 197.2 | 269.9 | 522.8 | 1,145.7 | 2,228.7 | 5,334.2 | 15,034.3 | ... | 889.0 |
| Female | 941.9 | 535.9 | 22.3 | 12.1 | 43.0 | 88.4 | 155.8 | 331.5 | 701.9 | 1,475.1 | 3,949.6 | 13,239.9 | ... | 639.5 |
| White ⁴ | 1,083.2 | 458.5 | 22.4 | 12.9 | 72.3 | 143.3 | 209.8 | 416.7 | 886.6 | 1,806.1 | 4,612.9 | 14,336.0 | ... | 755.0 |
| Male | 1,111.4 | 505.2 | 26.1 | 14.7 | 100.5 | 194.9 | 264.2 | 510.0 | 1,105.5 | 2,182.5 | 5,378.9 | 15,521.8 | ... | 885.1 |
| Female | 1,055.8 | 409.5 | 18.6 | 10.9 | 42.5 | 90.2 | 154.9 | 323.9 | 677.9 | 1,465.2 | 4,002.6 | 13,682.1 | ... | 642.8 |
| Black ⁴ | 787.5 | 1,110.6 | 40.1 | 20.9 | 111.4 | 186.2 | 293.4 | 583.2 | 1,316.1 | 2,460.9 | 5,093.1 | 12,101.9 | ... | 881.0 |
| Male | 854.2 | 1,215.4 | 42.9 | 24.9 | 170.0 | 267.5 | 383.6 | 724.6 | 1,676.6 | 3,179.0 | 6,248.3 | 13,164.9 | ... | 1,083.3 |
| Female | 726.1 | 1,001.3 | 37.3 | 16.8 | 50.8 | 107.3 | 212.4 | 458.4 | 1,012.7 | 1,920.5 | 4,369.8 | 11,646.4 | ... | 728.0 |

... Category not applicable.

- Quantity zero.

* Rate does not meet NCHS standards of reliability; see Technical Notes.

¹Death rates for "Under 1" (based on population estimates) differ from infant mortality rates (based on live births); see Technical Notes.

²For method of computation, see Technical Notes.

³Includes races other than white and black.

⁴Race categories are consistent with 1977 Office of Management and Budget (OMB) standards. In 2017, multiple-race data were reported by 50 states and the District of Columbia; see Technical Notes. Multiple-race data for these reporting areas were bridged to the single-race categories of 1977 OMB standards for comparability with other reporting areas; see Technical Notes.

⁵Includes deaths for which Hispanic origin was not reported on the death certificate.

⁶Figures for age not stated are included in "All ages" but not distributed among age groups.

⁷Figures for origin not stated are included in "All origins" but not distributed among specified origins.

SOURCE: NCHS, National Vital Statistics System, Mortality.

Table I-5. Number of deaths, death rates, and age-adjusted death rates for ages 15 and over, by marital status and sex: United States, 2017

[Rates are per 100,000 population in specified group; age-adjusted rates are per 100,000 U.S. standard population; see Technical Notes in this report. Population estimates used for computing death rates are based on the American Community Survey adjusted to postcensal July 1, 2017, resident population control totals for the United States; see Technical Notes]

| Marital status and sex | Age group (years) | | | | | | | | Age-adjusted rate ² |
|------------------------|--------------------------|--------|--------|--------|---------|---------|---------|-------------|--------------------------------|
| | 15 and over ¹ | 15-24 | 25-34 | 35-44 | 45-54 | 55-64 | 65-74 | 75 and over | |
| | Number | | | | | | | | |
| Both sexes | 2,781,588 | 32,025 | 60,215 | 79,796 | 170,142 | 372,006 | 531,610 | 1,535,794 | ... |
| Never married | 353,159 | 30,610 | 43,945 | 35,263 | 49,385 | 73,728 | 52,826 | 67,402 | ... |
| Ever married | 2,408,214 | 1,364 | 15,889 | 43,714 | 118,360 | 292,561 | 473,019 | 1,463,307 | ... |
| Married | 1,027,093 | 1,197 | 11,234 | 27,397 | 67,182 | 159,402 | 259,494 | 501,187 | ... |
| Widowed | 927,739 | 19 | 245 | 1,054 | 5,650 | 28,564 | 87,479 | 804,728 | ... |
| Divorced | 453,382 | 148 | 4,410 | 15,263 | 45,528 | 104,595 | 126,046 | 157,392 | ... |
| Not stated | 20,215 | 51 | 381 | 819 | 2,397 | 5,717 | 5,765 | 5,085 | ... |
| Male | 1,421,051 | 23,503 | 42,149 | 50,792 | 103,804 | 225,335 | 303,931 | 671,537 | ... |
| Never married | 224,361 | 22,628 | 32,154 | 24,609 | 33,703 | 49,313 | 32,262 | 29,692 | ... |
| Ever married | 1,182,399 | 839 | 9,718 | 25,644 | 68,407 | 171,695 | 267,388 | 638,708 | ... |
| Married | 685,338 | 748 | 6,906 | 16,083 | 38,721 | 96,672 | 168,297 | 357,911 | ... |
| Widowed | 256,965 | 7 | 102 | 411 | 2,123 | 10,410 | 28,363 | 215,549 | ... |
| Divorced | 240,096 | 84 | 2,710 | 9,150 | 27,563 | 64,613 | 70,728 | 65,248 | ... |
| Not stated | 14,291 | 36 | 277 | 539 | 1,694 | 4,327 | 4,281 | 3,137 | ... |
| Female | 1,360,537 | 8,522 | 18,066 | 29,004 | 66,338 | 146,671 | 227,679 | 864,257 | ... |
| Never married | 128,798 | 7,982 | 11,791 | 10,654 | 15,682 | 24,415 | 20,564 | 37,710 | ... |
| Ever married | 1,225,815 | 525 | 6,171 | 18,070 | 49,953 | 120,866 | 205,631 | 824,599 | ... |
| Married | 341,755 | 449 | 4,328 | 11,314 | 28,461 | 62,730 | 91,197 | 143,276 | ... |
| Widowed | 670,774 | 12 | 143 | 643 | 3,527 | 18,154 | 59,116 | 589,179 | ... |
| Divorced | 213,286 | 64 | 1,700 | 6,113 | 17,965 | 39,982 | 55,318 | 92,144 | ... |
| Not stated | 5,924 | 15 | 104 | 280 | 703 | 1,390 | 1,484 | 1,948 | ... |
| | Rate ³ | | | | | | | | |
| Both sexes | 1,050.9 | 73.7 | 133.9 | 194.1 | 401.9 | 885.3 | 1,788.0 | 7,284.2 | 1,142.5 |
| Never married | 396.4 | 74.9 | 180.9 | 354.8 | 762.5 | 1,595.8 | 2,702.6 | 7,137.8 | 1,443.6 |
| Ever married | 1,371.4 | 52.8 | 76.9 | 140.2 | 330.1 | 782.3 | 1,702.9 | 7,265.8 | 1,077.7 |
| Married | 780.3 | 49.5 | 60.6 | 104.3 | 240.8 | 578.7 | 1,358.6 | 5,075.4 | 779.6 |
| Widowed | 6,125.0 | * | 261.5 | 405.2 | 727.2 | 1,343.7 | 2,285.7 | 10,006.7 | 1,656.9 |
| Divorced | 1,573.1 | 102.7 | 215.7 | 328.2 | 634.3 | 1,353.0 | 2,599.2 | 7,080.6 | 1,368.8 |
| Male | 1,100.0 | 105.5 | 185.3 | 248.1 | 496.9 | 1,111.4 | 2,187.9 | 7,782.1 | 1,304.5 |
| Never married | 470.8 | 106.3 | 238.8 | 444.7 | 939.4 | 1,991.4 | 3,398.2 | 8,160.6 | 1,735.1 |
| Ever married | 1,450.2 | 83.6 | 104.7 | 171.7 | 395.3 | 964.7 | 2,066.1 | 7,727.4 | 1,209.9 |
| Married | 1,041.3 | 79.7 | 82.4 | 125.6 | 279.1 | 698.6 | 1,659.4 | 6,130.6 | 942.9 |
| Widowed | 7,661.1 | * | 331.4 | 557.0 | 985.0 | 1,986.5 | 3,373.5 | 12,978.4 | 2,238.7 |
| Divorced | 1,942.6 | 149.5 | 311.2 | 444.3 | 858.2 | 1,880.7 | 3,609.9 | 8,512.6 | 1,772.7 |

Table I-5. Number of deaths, death rates, and age-adjusted death rates for ages 15 and over, by marital status and sex: United States, 2017

[Rates are per 100,000 population in specified group; age-adjusted rates are per 100,000 U.S. standard population; see Technical Notes in this report. Population estimates used for computing death rates are based on the American Community Survey adjusted to postcensal July 1, 2017, resident population control totals for the United States; see Technical Notes]

| Marital status and sex | Age group (years) | | | | | | | | Age-adjusted rate ² |
|------------------------|--------------------------|-------|-------|-------|-------|---------|---------|-------------|--------------------------------|
| | 15 and over ¹ | 15-24 | 25-34 | 35-44 | 45-54 | 55-64 | 65-74 | 75 and over | |
| Female | 1,004.0 | 40.3 | 81.3 | 140.5 | 309.4 | 674.5 | 1,437.3 | 6,939.3 | 1,002.3 |
| Never married | 310.8 | 40.8 | 108.8 | 241.8 | 542.8 | 1,138.8 | 2,045.7 | 6,496.6 | 1,165.6 |
| Ever married | 1,303.1 | 33.2 | 54.2 | 111.3 | 269.3 | 616.6 | 1,386.1 | 6,944.5 | 968.3 |
| Married | 519.3 | 30.4 | 42.6 | 84.0 | 203.0 | 457.7 | 1,018.0 | 3,549.4 | 569.3 |
| Widowed | 5,688.1 | * | 227.3 | 345.1 | 628.3 | 1,133.4 | 1,979.4 | 9,233.2 | 1,482.2 |
| Divorced | 1,295.7 | 72.8 | 144.8 | 235.9 | 452.9 | 930.8 | 1,914.0 | 6,327.0 | 1,095.6 |

... Category not applicable.

* Rate does not meet NCHS standards of reliability; see Technical Notes.

¹Excludes figures for age not stated.

²Calculated based on ages 25 and over. For method of computation, see Technical Notes.

³Figures for marital status not stated are included in totals for "Both sexes," "Male," and "Female" but not distributed among specified marital status groups.

SOURCE: NCHS, National Vital Statistics System, Mortality.

Table I-6. Number of deaths, death rates, and age-adjusted death rates for ages 25–64, by educational attainment and sex: 49 reporting states and District of Columbia, 2017

[Excludes data for West Virginia; see Technical Notes in this report. Rates are per 100,000 population in specified group; age-adjusted rates are per 100,000 U.S. standard population; see Technical Notes. Population estimates used for computing death rates are based on the American Community Survey adjusted to postcensal July 1, 2017, resident population control totals for reporting areas; see Technical Notes]

| Education level and sex | Age group (years) | | | | | Age-adjusted rate ² |
|--------------------------------------|--------------------|--------|--------|---------|---------|--------------------------------|
| | 25–64 ¹ | 25–34 | 35–44 | 45–54 | 55–64 | |
| | Number | | | | | |
| Both sexes | 675,858 | 59,676 | 78,960 | 168,607 | 368,615 | ... |
| Less than high school diploma or GED | 120,564 | 10,649 | 14,557 | 31,364 | 63,994 | ... |
| High school diploma or GED | 296,765 | 27,443 | 34,129 | 73,448 | 161,745 | ... |
| Some college or collegiate degree | 243,399 | 20,899 | 29,037 | 60,066 | 133,397 | ... |
| Not stated ³ | 15,130 | 685 | 1,237 | 3,729 | 9,479 | ... |
| Male | 418,261 | 41,794 | 50,260 | 102,867 | 223,340 | ... |
| Less than high school diploma or GED | 79,163 | 7,721 | 9,792 | 20,507 | 41,143 | ... |
| High school diploma or GED | 191,094 | 20,091 | 23,122 | 47,012 | 100,869 | ... |
| Some college or collegiate degree | 137,210 | 13,490 | 16,516 | 32,715 | 74,489 | ... |
| Not stated ³ | 10,794 | 492 | 830 | 2,633 | 6,839 | ... |
| Female | 257,597 | 17,882 | 28,700 | 65,740 | 145,275 | ... |
| Less than high school diploma or GED | 41,401 | 2,928 | 4,765 | 10,857 | 22,851 | ... |
| High school diploma or GED | 105,671 | 7,352 | 11,007 | 26,436 | 60,876 | ... |
| Some college or collegiate degree | 106,189 | 7,409 | 12,521 | 27,351 | 58,908 | ... |
| Not stated ³ | 4,336 | 193 | 407 | 1,096 | 2,640 | ... |
| | Rate ⁴ | | | | | |
| Both sexes | 398.7 | 133.3 | 193.1 | 400.6 | 882.7 | 346.9 |
| Less than high school diploma or GED | 649.1 | 262.1 | 306.9 | 633.7 | 1,328.2 | 551.2 |
| High school diploma or GED | 677.0 | 255.4 | 355.1 | 650.9 | 1,326.3 | 568.6 |
| Some college or collegiate degree | 227.3 | 69.8 | 109.4 | 232.3 | 539.1 | 203.0 |
| Male | 498.4 | 184.6 | 246.8 | 495.2 | 1,108.6 | 439.5 |
| Less than high school diploma or GED | 776.5 | 327.6 | 372.2 | 759.5 | 1,641.2 | 673.8 |
| High school diploma or GED | 802.2 | 322.8 | 425.6 | 776.9 | 1,649.9 | 695.2 |
| Some college or collegiate degree | 275.0 | 96.0 | 134.3 | 272.2 | 646.3 | 245.9 |
| Female | 301.0 | 80.8 | 139.8 | 308.3 | 672.2 | 257.4 |
| Less than high school diploma or GED | 494.0 | 171.5 | 225.6 | 482.6 | 988.7 | 406.1 |
| High school diploma or GED | 528.0 | 162.6 | 263.3 | 505.3 | 1,001.0 | 423.5 |
| Some college or collegiate degree | 185.7 | 46.6 | 87.9 | 197.6 | 445.6 | 165.6 |

... Category not applicable.

¹Excludes figures for age not stated.

²Calculated based on ages 25–64. For method of computation, see Technical Notes.

³Includes deaths with education not stated and deaths reported using the unrevised version of the death certificate that occurred in West Virginia to residents of other states.

⁴Figures for education not stated are included in totals for "Both sexes," "Male," and "Female" but not distributed among specified years of education.

NOTE: GED is General Educational Development high school equivalency diploma.

SOURCE: NCHS, National Vital Statistics System, Mortality.

Table I-7. Percent distribution of deaths by educational attainment: Alabama, Alaska, Arizona, Arkansas, California, Colorado, Connecticut, Delaware, District of Columbia, Florida, Hawaii, Idaho, Illinois, Indiana, Iowa, Kansas, Kentucky, Louisiana, Maine, Maryland, Massachusetts, Michigan, Minnesota, Mississippi, Missouri, Montana, Nebraska, Nevada, New Hampshire, New Jersey, New Mexico, New York, North Carolina, North Dakota, Ohio, Oklahoma, Oregon, Pennsylvania, South Carolina, Tennessee, Texas, Utah, Vermont, Virginia, Washington, Wisconsin, and Wyoming, 2002 and 2017

[By state of occurrence. Excludes nonresidents of the United States. Because of rounding, the sum of the subgroups may not add to total]

| 2002 | | 2017 | |
|---------------------------|----------------------|--------------------------------------|----------------------|
| Years of school completed | Percent distribution | Educational attainment | Percent distribution |
| Total | 100.0 | Total | 100.0 |
| Under 12 years | 21.1 | Less than high school diploma or GED | 17.8 |
| 12 years | 43.9 | High school diploma or GED | 43.9 |
| 13 years or more | 32.0 | Some college or collegiate degree | 36.1 |
| Not stated | 3.0 | Not stated | 2.2 |

NOTE: GED is General Educational Development high school equivalency diploma.

SOURCE: NCHS, National Vital Statistics System, Mortality.

Table I-8. Number of deaths, death rates, and age-adjusted death rates for injury at work for ages 15 and over, by race and Hispanic origin and sex: United States, 2017

[Rates are per 100,000 population in specified group; age-adjusted rates are per 100,000 U.S. standard population; see Technical Notes in this report. Populations used for computing death rates are postcensal estimates based on the 2010 census estimated as of July 1, 2017; see Technical Notes. Race and Hispanic-origin categories are consistent with 1977 Office of Management and Budget (OMB) standards. For a discussion of injury at work, see Supplemental Technical Notes]

| Race and Hispanic origin and sex | Age group (years) | | | | | | | Age-adjusted rate ² |
|--|--------------------------|-------|-------|-------|-------|-------|-------------|--------------------------------|
| | 15 and over ¹ | 15-24 | 25-34 | 35-44 | 45-54 | 55-64 | 65 and over | |
| | Number | | | | | | | |
| All origins ³ , both sexes | 4,573 | 295 | 753 | 762 | 949 | 1,041 | 773 | ... |
| Male | 4,143 | 272 | 690 | 698 | 862 | 967 | 654 | ... |
| Female | 430 | 23 | 63 | 64 | 87 | 74 | 119 | ... |
| Non-Hispanic white ⁴ , both sexes | 3,133 | 174 | 476 | 441 | 610 | 769 | 663 | ... |
| Male | 2,823 | 164 | 435 | 401 | 551 | 715 | 557 | ... |
| Female | 310 | 10 | 41 | 40 | 59 | 54 | 106 | ... |
| Non-Hispanic black ⁴ , both sexes | 466 | 28 | 84 | 104 | 108 | 101 | 41 | ... |
| Male | 409 | 23 | 71 | 92 | 93 | 92 | 38 | ... |
| Female | 57 | 5 | 13 | 12 | 15 | 9 | 3 | ... |
| Hispanic | 796 | 74 | 156 | 196 | 199 | 121 | 50 | ... |
| Male | 755 | 69 | 150 | 185 | 191 | 115 | 45 | ... |
| Female | 41 | 5 | 6 | 11 | 8 | 6 | 5 | ... |
| | Rate | | | | | | | |
| All origins ³ , both sexes | 1.7 | 0.7 | 1.7 | 1.9 | 2.2 | 2.5 | 1.5 | 1.7 |
| Male | 3.2 | 1.2 | 3.0 | 3.4 | 4.1 | 4.8 | 2.9 | 3.1 |
| Female | 0.3 | 0.1 | 0.3 | 0.3 | 0.4 | 0.3 | 0.4 | 0.3 |
| Non-Hispanic white ⁴ , both sexes | 1.9 | 0.7 | 1.9 | 1.9 | 2.3 | 2.6 | 1.7 | 1.8 |
| Male | 3.4 | 1.3 | 3.3 | 3.4 | 4.1 | 4.9 | 3.1 | 3.3 |
| Female | 0.4 | * | 0.3 | 0.3 | 0.4 | 0.4 | 0.5 | 0.3 |
| Non-Hispanic black ⁴ , both sexes | 1.4 | 0.4 | 1.3 | 1.9 | 2.0 | 2.1 | 0.9 | 1.4 |
| Male | 2.6 | 0.7 | 2.2 | 3.6 | 3.7 | 4.1 | 2.0 | 2.7 |
| Female | 0.3 | * | * | * | * | * | * | 0.3 |
| Hispanic | 1.8 | 0.8 | 1.7 | 2.3 | 2.9 | 2.6 | 1.2 | 1.9 |
| Male | 3.5 | 1.4 | 3.1 | 4.3 | 5.5 | 5.0 | 2.5 | 3.6 |
| Female | 0.2 | * | * | * | * | * | * | 0.2 |

... Category not applicable.

* Rate does not meet NCHS standards of reliability; see Technical Notes.

¹Excludes figures for age not stated.

²Calculated based on ages 15 and over. For method of computation, see Technical Notes.

³Includes races and origins other than those shown separately.

⁴Race categories are consistent with 1977 OMB standards. Includes multiple-race data for 49 states and the District of Columbia; see Technical Notes. Multiple-race data for these reporting areas were bridged to the single-race categories of 1977 OMB standards for comparability with other reporting areas; see Technical Notes.

SOURCE: NCHS, National Vital Statistics System, Mortality.

Table I-9. Number of deaths, death rates, and age-adjusted death rates for injury at work, by race and Hispanic origin and sex: United States, 1997-2017

[Includes ages 15 years and over; excludes figures for age not stated. Rates are on an annual basis per 100,000 population in specified group; age-adjusted rates are per 100,000 U.S. standard population; see Technical Notes in this report. Rates are based on populations enumerated as of April 1 for census years and estimated as of July 1 for all other years; see Technical Notes. Race categories are consistent with 1977 Office of Management and Budget (OMB) standards. For a discussion of injury at work, see Supplemental Technical Notes]

| Year | Total ¹ | | | Non-Hispanic white ² | | | Non-Hispanic black ² | | | Hispanic | | |
|-------------------|--------------------|-------|--------|---------------------------------|-------|--------|---------------------------------|------|--------|------------|------|--------|
| | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female |
| Number | | | | | | | | | | | | |
| 2017 | 4,573 | 4,143 | 430 | 3,133 | 2,823 | 310 | 466 | 409 | 57 | 796 | 755 | 41 |
| 2016 | 4,621 | 4,169 | 452 | 3,116 | 2,791 | 325 | 521 | 457 | 64 | 795 | 753 | 42 |
| 2015 ³ | 4,185 | 3,816 | 369 | 2,855 | 2,574 | 281 | 409 | 368 | 41 | 771 | 738 | 33 |
| 2014 | 4,348 | 3,916 | 432 | 3,065 | 2,738 | 327 | 397 | 352 | 45 | 718 | 681 | 37 |
| 2013 | 4,268 | 3,882 | 386 | 2,956 | 2,660 | 296 | 433 | 395 | 38 | 735 | 698 | 37 |
| 2012 | 4,106 | 3,743 | 363 | 2,806 | 2,548 | 258 | 446 | 397 | 49 | 682 | 649 | 33 |
| 2011 | 4,097 | 3,736 | 361 | 2,903 | 2,635 | 268 | 401 | 365 | 36 | 630 | 590 | 40 |
| 2010 | 4,157 | 3,829 | 328 | 2,999 | 2,766 | 233 | 396 | 350 | 46 | 604 | 572 | 32 |
| 2009 | 3,919 | 3,601 | 318 | 2,723 | 2,502 | 221 | 415 | 366 | 49 | 619 | 583 | 36 |
| 2008 | 4,690 | 4,317 | 373 | 3,349 | 3,077 | 272 | 495 | 448 | 47 | 680 | 643 | 37 |
| 2007 | 5,025 | 4,606 | 419 | 3,472 | 3,163 | 309 | 569 | 511 | 58 | 794 | 761 | 33 |
| 2006 | 5,298 | 4,869 | 429 | 3,709 | 3,383 | 326 | 552 | 501 | 51 | 856 | 820 | 36 |
| 2005 | 5,113 | 4,670 | 443 | 3,598 | 3,279 | 319 | 562 | 504 | 58 | 761 | 718 | 43 |
| 2004 | 5,157 | 4,729 | 428 | 3,724 | 3,410 | 314 | 537 | 475 | 62 | 735 | 702 | 33 |
| 2003 | 5,025 | 4,609 | 416 | 3,597 | 3,291 | 306 | 571 | 524 | 47 | 671 | 635 | 36 |
| 2002 | 5,305 | 4,859 | 446 | 3,809 | 3,486 | 323 | 545 | 487 | 58 | 757 | 710 | 47 |
| 2001 ⁴ | 8,303 | 7,181 | 1,122 | 5,968 | 5,237 | 731 | 823 | 660 | 163 | 1,049 | 916 | 133 |
| 2000 | 5,430 | 4,969 | 461 | 3,930 | 3,579 | 351 | 578 | 524 | 54 | 718 | 684 | 34 |
| 1999 | 5,651 | 5,152 | 499 | 4,201 | 3,812 | 389 | 647 | 587 | 60 | 597 | 566 | 31 |
| 1998 | 5,543 | 5,036 | 507 | 4,181 | 3,771 | 410 | 580 | 529 | 51 | 610 | 584 | 26 |
| 1997 | 5,666 | 5,144 | 522 | 4,216 | 3,823 | 393 | 672 | 614 | 58 | 571 | 531 | 40 |
| Rate | | | | | | | | | | | | |
| 2017 | 1.7 | 3.2 | 0.3 | 1.9 | 3.4 | 0.4 | 1.4 | 2.6 | 0.3 | 1.8 | 3.5 | 0.2 |
| 2016 | 1.8 | 3.3 | 0.3 | 1.8 | 3.4 | 0.4 | 1.6 | 2.9 | 0.4 | 1.9 | 3.6 | 0.2 |
| 2015 ³ | 1.6 | 3.0 | 0.3 | 1.7 | 3.1 | 0.3 | 1.3 | 2.4 | 0.2 | 1.9 | 3.5 | 0.2 |
| 2014 | 1.7 | 3.1 | 0.3 | 1.8 | 3.3 | 0.4 | 1.2 | 2.3 | 0.3 | 1.8 | 3.4 | 0.2 |
| 2013 | 1.7 | 3.1 | 0.3 | 1.8 | 3.2 | 0.3 | 1.4 | 2.7 | 0.2 | 1.9 | 3.5 | 0.2 |
| 2012 | 1.6 | 3.0 | 0.3 | 1.7 | 3.1 | 0.3 | 1.4 | 2.7 | 0.3 | 1.8 | 3.4 | 0.2 |
| 2011 | 1.6 | 3.1 | 0.3 | 1.7 | 3.2 | 0.3 | 1.3 | 2.5 | 0.2 | 1.7 | 3.1 | 0.2 |
| 2010 | 1.7 | 3.2 | 0.3 | 1.8 | 3.4 | 0.3 | 1.3 | 2.5 | 0.3 | 1.7 | 3.1 | 0.2 |
| 2009 | 1.6 | 3.0 | 0.3 | 1.6 | 3.1 | 0.3 | 1.4 | 2.6 | 0.3 | 1.8 | 3.3 | 0.2 |
| 2008 | 1.9 | 3.6 | 0.3 | 2.0 | 3.8 | 0.3 | 1.7 | 3.3 | 0.3 | 2.0 | 3.7 | 0.2 |
| 2007 | 2.1 | 3.9 | 0.3 | 2.1 | 3.9 | 0.4 | 2.0 | 3.8 | 0.4 | 2.4 | 4.6 | 0.2 |
| 2006 | 2.2 | 4.2 | 0.4 | 2.3 | 4.2 | 0.4 | 1.9 | 3.8 | 0.3 | 2.7 | 5.1 | 0.2 |
| 2005 | 2.2 | 4.1 | 0.4 | 2.2 | 4.1 | 0.4 | 2.0 | 3.9 | 0.4 | 2.5 | 4.6 | 0.3 |
| 2004 | 2.2 | 4.2 | 0.4 | 2.3 | 4.3 | 0.4 | 2.0 | 3.7 | 0.4 | 2.5 | 4.7 | 0.2 |
| 2003 | 2.2 | 4.1 | 0.4 | 2.2 | 4.2 | 0.4 | 2.1 | 4.2 | 0.3 | 2.4 | 4.4 | 0.3 |
| 2002 | 2.3 | 4.4 | 0.4 | 2.4 | 4.5 | 0.4 | 2.0 | 3.9 | 0.4 | 2.8 | 5.1 | 0.4 |
| 2001 ⁴ | 3.7 | 6.6 | 1.0 | 3.7 | 6.7 | 0.9 | 3.1 | 5.4 | 1.2 | 4.0 | 6.8 | 1.0 |
| 2000 | 2.5 | 4.6 | 0.4 | 2.5 | 4.6 | 0.4 | 2.3 | 4.4 | 0.4 | 2.9 | 5.3 | 0.3 |
| 1999 | 2.6 | 4.9 | 0.4 | 2.6 | 4.9 | 0.5 | 2.6 | 5.0 | 0.4 | 2.5 | 4.6 | 0.3 |
| 1998 | 2.6 | 4.8 | 0.5 | 2.6 | 4.9 | 0.5 | 2.3 | 4.6 | 0.4 | 2.7 | 5.0 | 0.2 |
| 1997 | 2.7 | 5.0 | 0.5 | 2.7 | 5.0 | 0.5 | 2.7 | 5.4 | 0.4 | 2.6 | 4.8 | 0.4 |

Table I-9. Number of deaths, death rates, and age-adjusted death rates for injury at work, by race and Hispanic origin and sex: United States, 1997-2017

[Includes ages 15 years and over; excludes figures for age not stated. Rates are on an annual basis per 100,000 population in specified group; age-adjusted rates are per 100,000 U.S. standard population; see Technical Notes in this report. Rates are based on populations enumerated as of April 1 for census years and estimated as of July 1 for all other years; see Technical Notes. Race categories are consistent with 1977 Office of Management and Budget (OMB) standards. For a discussion of injury at work, see Supplemental Technical Notes]

| Year | Total ¹ | | | Non-Hispanic white ² | | | Non-Hispanic black ² | | | Hispanic | | |
|-------------------|--------------------------------|------|--------|---------------------------------|------|--------|---------------------------------|------|--------|------------|------|--------|
| | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female |
| | Age-adjusted rate ⁵ | | | | | | | | | | | |
| 2017 | 1.7 | 3.1 | 0.3 | 1.8 | 3.3 | 0.3 | 1.4 | 2.7 | 0.3 | 1.9 | 3.6 | 0.2 |
| 2016 | 1.7 | 3.2 | 0.3 | 1.8 | 3.3 | 0.3 | 1.6 | 3.1 | 0.4 | 1.9 | 3.7 | 0.2 |
| 2015 ³ | 1.6 | 3.0 | 0.3 | 1.6 | 3.0 | 0.3 | 1.3 | 2.5 | 0.2 | 1.9 | 3.7 | 0.2 |
| 2014 | 1.7 | 3.1 | 0.3 | 1.8 | 3.2 | 0.4 | 1.3 | 2.4 | 0.3 | 1.9 | 3.6 | 0.2 |
| 2013 | 1.7 | 3.1 | 0.3 | 1.7 | 3.2 | 0.3 | 1.4 | 2.8 | 0.2 | 1.9 | 3.7 | 0.2 |
| 2012 | 1.6 | 3.0 | 0.3 | 1.6 | 3.0 | 0.3 | 1.5 | 2.8 | 0.3 | 1.8 | 3.5 | 0.2 |
| 2011 | 1.6 | 3.0 | 0.3 | 1.7 | 3.1 | 0.3 | 1.3 | 2.6 | 0.2 | 1.7 | 3.2 | 0.2 |
| 2010 | 1.7 | 3.1 | 0.3 | 1.8 | 3.3 | 0.3 | 1.3 | 2.6 | 0.3 | 1.7 | 3.3 | 0.2 |
| 2009 | 1.6 | 3.0 | 0.3 | 1.6 | 3.0 | 0.3 | 1.4 | 2.7 | 0.3 | 1.8 | 3.5 | 0.2 |
| 2008 | 1.9 | 3.6 | 0.3 | 2.0 | 3.8 | 0.3 | 1.7 | 3.4 | 0.3 | 2.0 | 3.8 | 0.2 |
| 2007 | 2.1 | 3.9 | 0.3 | 2.1 | 3.9 | 0.3 | 2.0 | 3.9 | 0.4 | 2.4 | 4.5 | 0.2 |
| 2006 | 2.2 | 4.2 | 0.3 | 2.2 | 4.1 | 0.4 | 2.0 | 3.9 | 0.4 | 2.7 | 5.1 | 0.2 |
| 2005 | 2.2 | 4.1 | 0.4 | 2.2 | 4.0 | 0.4 | 2.0 | 4.0 | 0.4 | 2.5 | 4.6 | 0.3 |
| 2004 | 2.2 | 4.2 | 0.4 | 2.3 | 4.2 | 0.4 | 2.0 | 3.9 | 0.4 | 2.5 | 4.7 | 0.2 |
| 2003 | 2.2 | 4.1 | 0.3 | 2.2 | 4.1 | 0.4 | 2.2 | 4.4 | 0.3 | 2.3 | 4.4 | 0.2 |
| 2002 | 2.4 | 4.4 | 0.4 | 2.4 | 4.4 | 0.4 | 2.1 | 4.1 | 0.4 | 2.8 | 5.2 | 0.4 |
| 2001 ⁴ | 3.7 | 6.6 | 1.0 | 3.7 | 6.7 | 0.9 | 3.2 | 5.6 | 1.2 | 4.1 | 7.1 | 1.0 |
| 2000 | 2.5 | 4.6 | 0.4 | 2.5 | 4.6 | 0.4 | 2.3 | 4.6 | 0.4 | 2.8 | 5.4 | 0.3 |
| 1999 | 2.6 | 4.9 | 0.4 | 2.6 | 4.9 | 0.5 | 2.6 | 5.1 | 0.5 | 2.5 | 4.8 | 0.3 |
| 1998 | 2.6 | 4.8 | 0.5 | 2.6 | 4.9 | 0.5 | 2.4 | 4.8 | 0.4 | 2.7 | 5.1 | 0.2 |
| 1997 | 2.6 | 5.0 | 0.5 | 2.7 | 5.0 | 0.5 | 2.8 | 5.7 | 0.4 | 2.7 | 5.0 | 0.4 |

¹Includes races and origins not shown separately.

²Includes multiple-race data for 50 states and the District of Columbia (D.C.) in 2017, 49 states and D.C. in 2016, 48 states and D.C. in 2015, 46 states and D.C. in 2014, 42 states and D.C. in 2012 and 2013, 38 states and D.C. in 2011, 37 states and D.C. in 2010, 34 states and D.C. in 2008 and 2009, 27 states and D.C. in 2007, 25 states and D.C. in 2006, 21 states and D.C. in 2005, 15 states in 2004, and 7 states in 2003; see Technical Notes. Multiple-race data for these reporting areas were bridged to the single-race categories of 1977 OMB standards for comparability with other reporting areas; see Technical Notes.

³Excludes data for Tennessee; see Supplemental Technical Notes from "Deaths: Final Data for 2015," National Vital Statistics Reports, vol 66, no 6.

⁴Figures include September 11, 2001, terrorism-related deaths for which death certificates were filed as of October 24, 2002; see Technical Notes from "Deaths: Final Data for 2001," National Vital Statistics Reports, vol 52, no 3.

⁵For method of computation, see Technical Notes.

SOURCE: NCHS, National Vital Statistics System, Mortality.

Table I-10. Number of deaths and death rates, by age, race, and sex: United States, 2017

[Rates are per 100,000 population in specified group. Populations used for computing death rates are postcensal estimates based on the 2010 census estimated as of July 1, 2017; see Technical Notes in this report. Data for specified races other than white and black should be interpreted with caution because of inconsistencies between reporting race on death certificates and on censuses and surveys; see Technical Notes]

| Age group (years) | All races | | | White ¹ | | | Black ¹ | | | American Indian or Alaska Native ^{1,2} | | | Asian or Pacific Islander ^{1,3} | | |
|----------------------|------------|-----------|-----------|--------------------|-----------|-----------|--------------------|---------|---------|--|--------|--------|--|--------|--------|
| | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female |
| | Number | | | | | | | | | | | | | | |
| All ages | 2,813,503 | 1,439,111 | 1,374,392 | 2,378,385 | 1,212,488 | 1,165,897 | 340,644 | 177,332 | 163,312 | 20,380 | 11,232 | 9,148 | 74,094 | 38,059 | 36,035 |
| Under 1 | 22,335 | 12,468 | 9,867 | 13,867 | 7,744 | 6,123 | 7,099 | 3,971 | 3,128 | 336 | 186 | 150 | 1,033 | 567 | 466 |
| 1-4 | 3,880 | 2,232 | 1,648 | 2,611 | 1,533 | 1,078 | 1,029 | 558 | 471 | 79 | 37 | 42 | 161 | 104 | 57 |
| 5-9 | 2,354 | 1,299 | 1,055 | 1,602 | 886 | 716 | 599 | 331 | 268 | 44 | 23 | 21 | 109 | 59 | 50 |
| 10-14 | 3,217 | 1,970 | 1,247 | 2,287 | 1,390 | 897 | 744 | 475 | 269 | 69 | 40 | 29 | 117 | 65 | 52 |
| 15-19 | 10,886 | 7,849 | 3,037 | 7,677 | 5,366 | 2,311 | 2,626 | 2,069 | 557 | 236 | 173 | 63 | 347 | 241 | 106 |
| 20-24 | 21,139 | 15,654 | 5,485 | 15,162 | 11,134 | 4,028 | 4,928 | 3,788 | 1,140 | 384 | 268 | 116 | 665 | 464 | 201 |
| 25-29 | 28,276 | 20,385 | 7,891 | 20,756 | 14,939 | 5,817 | 6,221 | 4,571 | 1,650 | 591 | 378 | 213 | 708 | 497 | 211 |
| 30-34 | 31,939 | 21,764 | 10,175 | 24,242 | 16,550 | 7,692 | 6,149 | 4,195 | 1,954 | 686 | 453 | 233 | 862 | 566 | 296 |
| 35-39 | 36,901 | 24,105 | 12,796 | 27,798 | 18,265 | 9,533 | 7,389 | 4,756 | 2,633 | 723 | 469 | 254 | 991 | 615 | 376 |
| 40-44 | 42,895 | 26,687 | 16,208 | 32,191 | 20,268 | 11,923 | 8,605 | 5,138 | 3,467 | 778 | 465 | 313 | 1,321 | 816 | 505 |
| 45-49 | 65,698 | 40,223 | 25,475 | 50,149 | 31,028 | 19,121 | 12,472 | 7,339 | 5,133 | 1,019 | 646 | 373 | 2,058 | 1,210 | 848 |
| 50-54 | 104,444 | 63,581 | 40,863 | 81,041 | 49,949 | 31,092 | 19,199 | 11,123 | 8,076 | 1,438 | 840 | 598 | 2,766 | 1,669 | 1,097 |
| 55-59 | 162,098 | 98,387 | 63,711 | 127,399 | 78,134 | 49,265 | 29,205 | 16,992 | 12,213 | 1,778 | 1,061 | 717 | 3,716 | 2,200 | 1,516 |
| 60-64 | 209,908 | 126,948 | 82,960 | 166,757 | 101,700 | 65,057 | 36,163 | 21,131 | 15,032 | 1,976 | 1,144 | 832 | 5,012 | 2,973 | 2,039 |
| 65-69 | 248,087 | 145,258 | 102,829 | 201,690 | 118,799 | 82,891 | 38,000 | 21,621 | 16,379 | 1,992 | 1,149 | 843 | 6,405 | 3,689 | 2,716 |
| 70-74 | 283,523 | 158,673 | 124,850 | 240,951 | 135,484 | 105,467 | 33,884 | 18,329 | 15,555 | 1,942 | 1,047 | 895 | 6,746 | 3,813 | 2,933 |
| 75-79 | 307,498 | 163,505 | 143,993 | 264,155 | 141,543 | 122,612 | 33,260 | 16,500 | 16,760 | 1,887 | 984 | 903 | 8,196 | 4,478 | 3,718 |
| 80-84 | 350,261 | 173,166 | 177,095 | 306,171 | 152,837 | 153,334 | 32,637 | 14,682 | 17,955 | 1,808 | 866 | 942 | 9,645 | 4,781 | 4,864 |
| 85 and over | 878,035 | 334,866 | 543,169 | 791,771 | 304,862 | 486,909 | 60,414 | 19,749 | 40,665 | 2,614 | 1,003 | 1,611 | 23,236 | 9,252 | 13,984 |
| Not stated | 129 | 91 | 38 | 108 | 77 | 31 | 21 | 14 | 7 | - | - | - | - | - | - |

Table I-10. Number of deaths and death rates, by age, race, and sex: United States, 2017

[Rates are per 100,000 population in specified group. Populations used for computing death rates are postcensal estimates based on the 2010 census estimated as of July 1, 2017; see Technical Notes in this report. Data for specified races other than white and black should be interpreted with caution because of inconsistencies between reporting race on death certificates and on censuses and surveys; see Technical Notes]

| Age group (years) | All races | | | White ¹ | | | Black ¹ | | | American Indian or Alaska Native ^{1,2} | | | Asian or Pacific Islander ^{1,3} | | |
|-----------------------|------------|----------|----------|--------------------|----------|----------|--------------------|----------|----------|--|---------|---------|--|---------|---------|
| | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female |
| | Rate | | | | | | | | | | | | | | |
| All ages ⁴ | 863.8 | 897.2 | 831.4 | 936.6 | 963.3 | 910.4 | 742.4 | 805.1 | 684.5 | 434.6 | 477.5 | 391.5 | 349.3 | 374.6 | 326.1 |
| Under 1 ⁵ | 567.0 | 618.7 | 512.8 | 471.4 | 514.5 | 426.3 | 1,050.0 | 1,149.9 | 945.7 | 440.1 | 479.0 | 399.8 | 420.9 | 450.7 | 389.6 |
| 1-4 | 24.3 | 27.3 | 21.1 | 21.9 | 25.1 | 18.5 | 37.6 | 40.1 | 35.0 | 25.7 | 23.8 | 27.8 | 15.4 | 19.4 | 11.2 |
| 5-9 | 11.6 | 12.5 | 10.6 | 10.6 | 11.4 | 9.7 | 17.4 | 18.9 | 15.8 | 11.4 | 11.7 | 11.0 | 8.4 | 8.9 | 7.9 |
| 10-14 | 15.5 | 18.6 | 12.3 | 14.6 | 17.3 | 11.7 | 21.9 | 27.5 | 16.1 | 17.8 | 20.4 | 15.2 | 8.9 | 9.8 | 8.0 |
| 15-19 | 51.5 | 72.7 | 29.4 | 48.1 | 65.6 | 29.7 | 75.4 | 116.8 | 32.5 | 62.6 | 90.5 | 33.9 | 26.4 | 36.3 | 16.2 |
| 20-24 | 95.6 | 137.9 | 50.9 | 91.7 | 130.9 | 50.2 | 133.7 | 202.0 | 63.0 | 100.5 | 137.7 | 61.9 | 43.7 | 60.2 | 26.8 |
| 25-29 | 121.0 | 171.3 | 68.8 | 119.7 | 168.1 | 68.9 | 162.8 | 239.4 | 86.3 | 151.7 | 186.3 | 114.1 | 38.8 | 55.2 | 22.9 |
| 30-34 | 145.4 | 196.3 | 93.5 | 145.9 | 195.2 | 94.6 | 191.9 | 269.6 | 118.6 | 197.7 | 251.4 | 139.7 | 47.6 | 64.8 | 31.6 |
| 35-39 | 173.8 | 227.1 | 120.5 | 172.1 | 222.9 | 119.8 | 242.2 | 327.6 | 164.7 | 222.7 | 281.4 | 160.7 | 58.0 | 76.4 | 41.6 |
| 40-44 | 218.4 | 273.6 | 163.9 | 214.7 | 268.1 | 160.3 | 313.0 | 397.7 | 237.9 | 267.2 | 314.2 | 218.7 | 82.2 | 108.1 | 59.2 |
| 45-49 | 313.2 | 387.3 | 240.6 | 306.9 | 378.2 | 235.0 | 439.9 | 551.6 | 341.2 | 360.5 | 452.8 | 266.5 | 135.8 | 170.5 | 105.3 |
| 50-54 | 488.0 | 604.4 | 375.5 | 477.6 | 591.8 | 364.5 | 675.6 | 836.2 | 534.3 | 527.5 | 621.4 | 435.1 | 210.0 | 271.3 | 156.3 |
| 55-59 | 736.5 | 919.5 | 563.4 | 716.2 | 893.5 | 544.7 | 1,054.6 | 1,325.3 | 821.3 | 690.6 | 851.8 | 539.5 | 311.7 | 400.8 | 235.7 |
| 60-64 | 1,050.2 | 1,328.3 | 795.4 | 1,018.7 | 1,283.9 | 770.0 | 1,538.8 | 1,994.4 | 1,164.8 | 942.4 | 1,144.4 | 758.4 | 473.7 | 623.6 | 350.8 |
| 65-69 | 1,473.5 | 1,831.8 | 1,154.5 | 1,439.3 | 1,776.3 | 1,131.7 | 2,111.3 | 2,757.6 | 1,612.5 | 1,288.1 | 1,577.1 | 1,030.7 | 736.9 | 958.3 | 560.8 |
| 70-74 | 2,206.9 | 2,668.0 | 1,809.5 | 2,202.5 | 2,643.5 | 1,813.8 | 2,826.0 | 3,629.9 | 2,241.2 | 1,863.9 | 2,163.3 | 1,604.2 | 1,117.2 | 1,419.0 | 875.2 |
| 75-79 | 3,517.8 | 4,193.7 | 2,973.6 | 3,541.8 | 4,205.5 | 2,996.0 | 4,155.0 | 5,172.6 | 3,480.9 | 2,900.7 | 3,376.1 | 2,514.8 | 1,962.9 | 2,420.1 | 1,599.0 |
| 80-84 | 5,871.7 | 6,901.6 | 5,123.9 | 5,972.2 | 6,997.5 | 5,211.1 | 6,208.7 | 7,621.5 | 5,391.4 | 4,636.7 | 5,329.2 | 4,141.9 | 3,519.5 | 4,121.2 | 3,077.8 |
| 85 and over | 13,573.6 | 14,689.2 | 12,966.5 | 14,013.7 | 15,149.6 | 13,385.3 | 11,837.7 | 12,850.5 | 11,401.4 | 7,351.4 | 7,733.2 | 7,132.1 | 8,517.6 | 9,189.7 | 8,124.5 |

- Quantity zero.

¹Race categories are consistent with 1977 Office of Management and Budget (OMB) standards. In 2017, multiple-race data were reported by 50 states and the District of Columbia; see Technical Notes. Multiple-race data for these reporting areas were bridged to single-race categories of 1977 OMB standards for comparability with other reporting areas; see Technical Notes.

²Includes Aleut and Eskimo persons.

³Includes Chinese, Filipino, Hawaiian, Japanese, and other Asian or Pacific Islander persons.

⁴Figures for age not stated are included in "All ages" but not distributed among age groups.

⁵Death rates for "Under 1" (based on population estimates) differ from infant mortality rates (based on live births); see Technical Notes.

SOURCE: NCHS, National Vital Statistics System, Mortality.

Table I-11. Number of deaths and death rates by Hispanic origin, race for non-Hispanic population, age, and sex: United States, 2017

[Rates are per 100,000 population in specified group; see Technical Notes in this report. Populations used for computing death rates are postcensal estimates based on the 2010 census estimated as of July 1, 2017; see Technical Notes. 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 death certificates and on censuses and surveys; see Technical Notes]

| Age (years) | All origins ¹ | | | Hispanic | | | Non-Hispanic ² | | | Non-Hispanic white ³ | | | Non-Hispanic black ³ | | |
|-------------|--------------------------|-----------|-----------|------------|---------|--------|---------------------------|-----------|-----------|---------------------------------|-----------|-----------|---------------------------------|---------|---------|
| | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female |
| | Number | | | | | | | | | | | | | | |
| All ages | 2,813,503 | 1,439,111 | 1,374,392 | 197,249 | 108,579 | 88,670 | 2,607,320 | 1,324,979 | 1,282,341 | 2,179,857 | 1,102,838 | 1,077,019 | 335,667 | 174,403 | 161,264 |
| Under 1 | 22,335 | 12,468 | 9,867 | 4,808 | 2,635 | 2,173 | 17,330 | 9,720 | 7,610 | 9,359 | 5,281 | 4,078 | 6,730 | 3,760 | 2,970 |
| 1-4 | 3,880 | 2,232 | 1,648 | 805 | 455 | 350 | 3,063 | 1,771 | 1,292 | 1,858 | 1,107 | 751 | 985 | 535 | 450 |
| 5-9 | 2,354 | 1,299 | 1,055 | 521 | 282 | 239 | 1,826 | 1,013 | 813 | 1,115 | 623 | 492 | 573 | 319 | 254 |
| 10-14 | 3,217 | 1,970 | 1,247 | 644 | 395 | 249 | 2,562 | 1,568 | 994 | 1,667 | 1,005 | 662 | 723 | 465 | 258 |
| 15-19 | 10,886 | 7,849 | 3,037 | 2,175 | 1,547 | 628 | 8,685 | 6,283 | 2,402 | 5,592 | 3,894 | 1,698 | 2,560 | 2,019 | 541 |
| 20-24 | 21,139 | 15,654 | 5,485 | 3,679 | 2,840 | 839 | 17,408 | 12,772 | 4,636 | 11,615 | 8,391 | 3,224 | 4,804 | 3,692 | 1,112 |
| 25-29 | 28,276 | 20,385 | 7,891 | 4,166 | 3,181 | 985 | 24,029 | 17,144 | 6,885 | 16,736 | 11,865 | 4,871 | 6,066 | 4,454 | 1,612 |
| 30-34 | 31,939 | 21,764 | 10,175 | 4,326 | 3,128 | 1,198 | 27,513 | 18,560 | 8,953 | 20,028 | 13,495 | 6,533 | 6,018 | 4,098 | 1,920 |
| 35-39 | 36,901 | 24,105 | 12,796 | 5,014 | 3,516 | 1,498 | 31,747 | 20,494 | 11,253 | 22,872 | 14,806 | 8,066 | 7,251 | 4,663 | 2,588 |
| 40-44 | 42,895 | 26,687 | 16,208 | 5,724 | 3,842 | 1,882 | 37,011 | 22,746 | 14,265 | 26,524 | 16,468 | 10,056 | 8,475 | 5,058 | 3,417 |
| 45-49 | 65,698 | 40,223 | 25,475 | 7,738 | 5,072 | 2,666 | 57,696 | 34,967 | 22,729 | 42,453 | 25,965 | 16,488 | 12,288 | 7,229 | 5,059 |
| 50-54 | 104,444 | 63,581 | 40,863 | 10,671 | 7,073 | 3,598 | 93,266 | 56,156 | 37,110 | 70,312 | 42,816 | 27,496 | 18,938 | 10,952 | 7,986 |
| 55-59 | 162,098 | 98,387 | 63,711 | 13,056 | 8,392 | 4,664 | 148,171 | 89,362 | 58,809 | 114,084 | 69,506 | 44,578 | 28,790 | 16,723 | 12,067 |
| 60-64 | 209,908 | 126,948 | 82,960 | 15,477 | 9,582 | 5,895 | 193,371 | 116,587 | 76,784 | 150,915 | 91,792 | 59,123 | 35,708 | 20,829 | 14,879 |
| 65-69 | 248,087 | 145,258 | 102,829 | 16,280 | 9,533 | 6,747 | 230,713 | 134,953 | 95,760 | 184,996 | 108,920 | 76,076 | 37,568 | 21,346 | 16,222 |
| 70-74 | 283,523 | 158,673 | 124,850 | 17,088 | 9,499 | 7,589 | 265,372 | 148,459 | 116,913 | 223,431 | 125,660 | 97,771 | 33,453 | 18,050 | 15,403 |
| 75-79 | 307,498 | 163,505 | 143,993 | 18,699 | 9,834 | 8,865 | 287,911 | 153,144 | 134,767 | 245,250 | 131,567 | 113,683 | 32,828 | 16,251 | 16,577 |
| 80-84 | 350,261 | 173,166 | 177,095 | 21,131 | 10,177 | 10,954 | 328,340 | 162,549 | 165,791 | 284,866 | 142,527 | 142,339 | 32,248 | 14,488 | 17,760 |
| 85 and over | 878,035 | 334,866 | 543,169 | 45,236 | 17,588 | 27,648 | 831,230 | 316,674 | 514,556 | 746,124 | 287,103 | 459,021 | 59,645 | 19,462 | 40,183 |
| Not stated | 129 | 91 | 38 | 11 | 8 | 3 | 76 | 57 | 19 | 60 | 47 | 13 | 16 | 10 | 6 |

Table I-11. Number of deaths and death rates by Hispanic origin, race for non-Hispanic population, age, and sex: United States, 2017

[Rates are per 100,000 population in specified group; see Technical Notes in this report. Populations used for computing death rates are postcensal estimates based on the 2010 census estimated as of July 1, 2017; see Technical Notes. 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 death certificates and on censuses and surveys; see Technical Notes]

| Age (years) | All origins ¹ | | | Hispanic | | | Non-Hispanic ² | | | Non-Hispanic white ³ | | | Non-Hispanic black ³ | | |
|-----------------------|--------------------------|----------|----------|------------|----------|---------|---------------------------|----------|----------|---------------------------------|----------|----------|---------------------------------|----------|----------|
| | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female |
| | Rate | | | | | | | | | | | | | | |
| All ages ⁴ | 863.8 | 897.2 | 831.4 | 334.6 | 364.6 | 304.0 | 977.4 | 1,014.3 | 941.9 | 1,083.2 | 1,111.4 | 1,055.8 | 787.5 | 854.2 | 726.1 |
| Under 1 ⁵ | 567.0 | 618.7 | 512.8 | 466.4 | 500.3 | 431.0 | 595.8 | 653.0 | 535.9 | 458.5 | 505.2 | 409.5 | 1,110.6 | 1,215.4 | 1,001.3 |
| 1-4 | 24.3 | 27.3 | 21.1 | 19.4 | 21.5 | 17.2 | 25.8 | 29.2 | 22.3 | 22.4 | 26.1 | 18.6 | 40.1 | 42.9 | 37.3 |
| 5-9 | 11.6 | 12.5 | 10.6 | 9.9 | 10.5 | 9.3 | 12.1 | 13.2 | 11.1 | 10.6 | 11.5 | 9.6 | 18.5 | 20.2 | 16.6 |
| 10-14 | 15.5 | 18.6 | 12.3 | 12.5 | 15.0 | 9.8 | 16.4 | 19.7 | 13.0 | 15.0 | 17.7 | 12.2 | 23.4 | 29.7 | 17.0 |
| 15-19 | 51.5 | 72.7 | 29.4 | 44.4 | 61.8 | 26.2 | 53.5 | 75.7 | 30.3 | 48.2 | 65.5 | 30.1 | 80.0 | 124.2 | 34.4 |
| 20-24 | 95.6 | 137.9 | 50.9 | 76.1 | 113.7 | 35.9 | 100.7 | 144.3 | 55.0 | 95.1 | 133.6 | 54.3 | 140.8 | 213.0 | 66.3 |
| 25-29 | 121.0 | 171.3 | 68.8 | 86.9 | 126.7 | 43.2 | 129.3 | 182.6 | 74.9 | 127.9 | 178.2 | 75.8 | 171.4 | 252.3 | 90.9 |
| 30-34 | 145.4 | 196.3 | 93.5 | 95.5 | 131.5 | 55.7 | 157.7 | 213.1 | 102.5 | 159.3 | 212.4 | 105.0 | 203.9 | 286.3 | 126.3 |
| 35-39 | 173.8 | 227.1 | 120.5 | 113.5 | 153.7 | 70.3 | 188.8 | 246.1 | 132.6 | 187.5 | 241.1 | 133.2 | 257.9 | 349.0 | 175.4 |
| 40-44 | 218.4 | 273.6 | 163.9 | 141.2 | 186.5 | 94.4 | 237.4 | 295.7 | 180.7 | 233.9 | 289.1 | 178.2 | 332.4 | 422.2 | 252.8 |
| 45-49 | 313.2 | 387.3 | 240.6 | 209.4 | 271.5 | 146.0 | 333.9 | 410.5 | 259.4 | 326.7 | 399.0 | 254.1 | 461.4 | 578.4 | 357.9 |
| 50-54 | 488.0 | 604.4 | 375.5 | 333.4 | 439.8 | 225.9 | 512.4 | 630.1 | 399.5 | 499.8 | 613.5 | 387.8 | 703.6 | 869.7 | 557.6 |
| 55-59 | 736.5 | 919.5 | 563.4 | 492.5 | 643.2 | 346.5 | 765.5 | 951.1 | 590.4 | 741.6 | 919.5 | 569.7 | 1,088.2 | 1,365.8 | 849.1 |
| 60-64 | 1,050.2 | 1,328.3 | 795.4 | 754.5 | 979.9 | 549.2 | 1,078.1 | 1,358.9 | 820.6 | 1,040.5 | 1,305.4 | 791.3 | 1,583.5 | 2,051.5 | 1,200.3 |
| 65-69 | 1,473.5 | 1,831.8 | 1,154.5 | 1,085.1 | 1,372.9 | 837.1 | 1,504.4 | 1,865.2 | 1,182.1 | 1,463.6 | 1,799.6 | 1,154.9 | 2,168.8 | 2,831.9 | 1,657.9 |
| 70-74 | 2,206.9 | 2,668.0 | 1,809.5 | 1,628.5 | 2,037.5 | 1,301.5 | 2,249.3 | 2,708.6 | 1,850.9 | 2,240.1 | 2,675.8 | 1,852.4 | 2,899.5 | 3,717.9 | 2,305.0 |
| 75-79 | 3,517.8 | 4,193.7 | 2,973.6 | 2,652.3 | 3,288.8 | 2,183.5 | 3,582.7 | 4,254.2 | 3,037.7 | 3,603.5 | 4,259.2 | 3,058.6 | 4,258.0 | 5,298.3 | 3,570.7 |
| 80-84 | 5,871.7 | 6,901.6 | 5,123.9 | 4,462.8 | 5,338.6 | 3,872.5 | 5,978.7 | 7,011.2 | 5,224.5 | 6,078.8 | 7,102.6 | 5,312.1 | 6,363.6 | 7,821.4 | 5,523.7 |
| 85 and over | 13,573.6 | 14,689.2 | 12,966.5 | 9,504.4 | 10,147.1 | 9,136.3 | 13,870.6 | 15,034.3 | 13,239.9 | 14,336.0 | 15,521.8 | 13,682.1 | 12,101.9 | 13,164.9 | 11,646.4 |

¹Figures for origin not stated are included in "All origins" but not distributed among specified origins.

²Includes races other than white and black.

³Race categories are consistent with 1977 Office of Management and Budget (OMB) standards. In 2017, multiple-race data were reported by 50 states and the District of Columbia; see Technical Notes. Multiple-race data for these reporting areas were bridged to the single-race categories of 1977 OMB standards for comparability with other reporting areas; see Technical Notes.

⁴Figures for age not stated are included in "All ages" but not distributed among age groups.

⁵Death rates for "Under 1" (based on population estimates) differ from infant mortality rates (based on live births); see Technical Notes.

SOURCE: NCHS, National Vital Statistics System, Mortality.

Table I-12. Number of deaths from 113 selected causes, Enterocolitis due to *Clostridium difficile*, drug-induced causes, alcohol-induced causes, and firearm-related injuries, by Hispanic origin, race for non-Hispanic population, and sex: United States, 2017

[Race and Hispanic origin are reported separately on the death certificate. Persons of Hispanic origin may be of any race. Data for Hispanic persons are not tabulated 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 death certificates and on censuses and surveys; see Technical Notes in this report. Asterisks (*) preceding cause-of-death codes indicate that they are not part of the *International Classification of Diseases, 10th Revision (ICD-10)*; see Technical Notes]

| Cause of death (based on ICD-10) | All origins | | | Hispanic | | | Non-Hispanic ¹ | | |
|---|-------------|-----------|-----------|------------|---------|--------|---------------------------|-----------|-----------|
| | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female |
| All causes | 2,813,503 | 1,439,111 | 1,374,392 | 197,249 | 108,579 | 88,670 | 2,607,320 | 1,324,979 | 1,282,341 |
| Salmonella infections (A01-A02) | 49 | 34 | 15 | 10 | 7 | 3 | 39 | 27 | 12 |
| Shigellosis and amebiasis (A03,A06) | 3 | 1 | 2 | — | — | — | 3 | 1 | 2 |
| Certain other intestinal infections (A04,A07-A09) | 8,806 | 3,554 | 5,252 | 615 | 277 | 338 | 8,163 | 3,260 | 4,903 |
| Tuberculosis (A16-A19) | 515 | 321 | 194 | 102 | 62 | 40 | 411 | 258 | 153 |
| Respiratory tuberculosis (A16) | 349 | 224 | 125 | 69 | 44 | 25 | 279 | 179 | 100 |
| Other tuberculosis (A17-A19) | 166 | 97 | 69 | 33 | 18 | 15 | 132 | 79 | 53 |
| Whooping cough (A37) | 9 | 6 | 3 | 1 | 1 | — | 8 | 5 | 3 |
| Scarlet fever and erysipelas (A38,A46) | — | — | — | — | — | — | — | — | — |
| Meningococcal infection (A39) | 31 | 16 | 15 | 7 | 4 | 3 | 24 | 12 | 12 |
| Septicemia (A40-A41) | 40,922 | 19,603 | 21,319 | 2,869 | 1,473 | 1,396 | 37,940 | 18,061 | 19,879 |
| Syphilis (A50-A53) | 63 | 40 | 23 | 10 | 6 | 4 | 53 | 34 | 19 |
| Acute poliomyelitis (A80) | — | — | — | — | — | — | — | — | — |
| Arthropod-borne viral encephalitis (A83-A84,A85.2) | 3 | 2 | 1 | 1 | 1 | — | 2 | 1 | 1 |
| Measles (B05) | — | — | — | — | — | — | — | — | — |
| Viral hepatitis (B15-B19) | 5,611 | 3,685 | 1,926 | 876 | 591 | 285 | 4,679 | 3,051 | 1,628 |
| Human immunodeficiency virus (HIV) disease (B20-B24) | 5,698 | 4,207 | 1,491 | 816 | 645 | 171 | 4,814 | 3,507 | 1,307 |
| Malaria (B50-B54) | 7 | 6 | 1 | — | — | — | 7 | 6 | 1 |
| 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) | 7,668 | 4,006 | 3,662 | 640 | 384 | 256 | 7,000 | 3,608 | 3,392 |
| Malignant neoplasms (C00-C97) | 599,108 | 315,147 | 283,961 | 40,550 | 21,034 | 19,516 | 557,065 | 293,251 | 263,814 |
| Malignant neoplasms of lip, oral cavity and pharynx (C00-C14) | 10,126 | 7,235 | 2,891 | 596 | 425 | 171 | 9,496 | 6,787 | 2,709 |
| Malignant neoplasm of esophagus (C15) | 15,321 | 12,314 | 3,007 | 762 | 619 | 143 | 14,511 | 11,654 | 2,857 |
| Malignant neoplasm of stomach (C16) | 11,158 | 6,680 | 4,478 | 1,894 | 1,066 | 828 | 9,243 | 5,601 | 3,642 |
| Malignant neoplasms of colon, rectum and anus (C18-C21) | 53,447 | 28,093 | 25,354 | 4,146 | 2,318 | 1,828 | 49,163 | 25,692 | 23,471 |
| Malignant neoplasms of liver and intrahepatic bile ducts (C22) | 27,106 | 18,246 | 8,860 | 3,528 | 2,332 | 1,196 | 23,478 | 15,839 | 7,639 |
| Malignant neoplasm of pancreas (C25) | 44,012 | 22,919 | 21,093 | 3,069 | 1,499 | 1,570 | 40,853 | 21,380 | 19,473 |
| Malignant neoplasm of larynx (C32) | 3,708 | 2,960 | 748 | 242 | 210 | 32 | 3,450 | 2,739 | 711 |
| Malignant neoplasms of trachea, bronchus and lung (C33-C34) | 145,932 | 78,743 | 67,189 | 5,457 | 3,184 | 2,273 | 140,100 | 75,340 | 64,760 |
| Malignant melanoma of skin (C43) | 8,056 | 5,312 | 2,744 | 251 | 149 | 102 | 7,789 | 5,152 | 2,637 |

Table I-12. Number of deaths from 113 selected causes, Enterocolitis due to *Clostridium difficile*, drug-induced causes, alcohol-induced causes, and firearm-related injuries, by Hispanic origin, race for non-Hispanic population, and sex: United States, 2017

[Race and Hispanic origin are reported separately on the death certificate. Persons of Hispanic origin may be of any race. Data for Hispanic persons are not tabulated 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 death certificates and on censuses and surveys; see Technical Notes in this report. Asterisks (*) preceding cause-of-death codes indicate that they are not part of the *International Classification of Diseases, 10th Revision (ICD-10)*; see Technical Notes]

| Cause of death (based on ICD-10) | All origins | | | Hispanic | | | Non-Hispanic ¹ | | |
|---|-------------|---------|---------|------------|--------|--------|---------------------------|---------|---------|
| | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female |
| Malignant neoplasm of breast (C50) | 42,510 | 510 | 42,000 | 3,000 | 17 | 2,983 | 39,410 | 489 | 38,921 |
| Malignant neoplasm of cervix uteri (C53) | 4,208 | ... | 4,208 | 606 | ... | 606 | 3,587 | ... | 3,587 |
| Malignant neoplasms of corpus uteri and uterus, part unspecified (C54-C55) | 10,994 | ... | 10,994 | 909 | ... | 909 | 10,060 | ... | 10,060 |
| Malignant neoplasm of ovary (C56) | 14,193 | ... | 14,193 | 1,107 | ... | 1,107 | 13,066 | ... | 13,066 |
| Malignant neoplasm of prostate (C61) | 30,488 | 30,488 | ... | 2,011 | 2,011 | ... | 28,405 | 28,405 | ... |
| Malignant neoplasms of kidney and renal pelvis (C64-C65) | 13,960 | 9,037 | 4,923 | 1,252 | 803 | 449 | 12,678 | 8,215 | 4,463 |
| Malignant neoplasm of bladder (C67) | 16,657 | 11,888 | 4,769 | 804 | 543 | 261 | 15,813 | 11,311 | 4,502 |
| Malignant neoplasms of meninges, brain and other parts of central nervous system (C70-C72) | 16,804 | 9,389 | 7,415 | 1,297 | 710 | 587 | 15,480 | 8,664 | 6,816 |
| Malignant neoplasms of lymphoid, hematopoietic and related tissue (C81-C96) | 57,737 | 32,936 | 24,801 | 4,356 | 2,403 | 1,953 | 53,248 | 30,450 | 22,798 |
| Hodgkin disease (C81) | 1,009 | 569 | 440 | 123 | 66 | 57 | 884 | 501 | 383 |
| Non-Hodgkin lymphoma (C82-C85) | 20,460 | 11,648 | 8,812 | 1,578 | 862 | 716 | 18,834 | 10,754 | 8,080 |
| Leukemia (C91-C95) | 23,359 | 13,520 | 9,839 | 1,755 | 979 | 776 | 21,544 | 12,503 | 9,041 |
| Multiple myeloma and immunoproliferative neoplasms (C88,C90) | 12,809 | 7,142 | 5,667 | 894 | 490 | 404 | 11,892 | 6,641 | 5,251 |
| Other and unspecified malignant neoplasms of lymphoid, hematopoietic and related tissue (C96) | 100 | 57 | 43 | 6 | 6 | - | 94 | 51 | 43 |
| 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) | 72,691 | 38,397 | 34,294 | 5,263 | 2,745 | 2,518 | 67,235 | 35,533 | 31,702 |
| In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior (D00-D48) | 15,824 | 8,502 | 7,322 | 882 | 466 | 416 | 14,910 | 8,011 | 6,899 |
| Anemias (D50-D64) | 5,382 | 2,395 | 2,987 | 330 | 151 | 179 | 5,036 | 2,238 | 2,798 |
| Diabetes mellitus (E10-E14) | 83,564 | 46,302 | 37,262 | 9,216 | 5,054 | 4,162 | 74,075 | 41,073 | 33,002 |
| Nutritional deficiencies (E40-E64) | 7,846 | 2,883 | 4,963 | 460 | 186 | 274 | 7,373 | 2,692 | 4,681 |
| Malnutrition (E40-E46) | 7,592 | 2,776 | 4,816 | 443 | 175 | 268 | 7,136 | 2,596 | 4,540 |
| Other nutritional deficiencies (E50-E64) | 254 | 107 | 147 | 17 | 11 | 6 | 237 | 96 | 141 |
| Meningitis (G00,G03) | 615 | 353 | 262 | 80 | 49 | 31 | 531 | 302 | 229 |
| Parkinson disease (G20-G21) | 31,963 | 19,388 | 12,575 | 1,818 | 1,060 | 758 | 30,083 | 18,292 | 11,791 |
| Alzheimer disease (G30) | 121,404 | 37,325 | 84,079 | 7,383 | 2,297 | 5,086 | 113,826 | 34,963 | 78,863 |
| Major cardiovascular diseases (I00-I78) | 854,390 | 438,041 | 416,349 | 54,352 | 29,171 | 25,181 | 797,078 | 407,004 | 390,074 |
| Diseases of heart (I00-I09,I11,I13,I20-I51) | 647,457 | 347,879 | 299,578 | 39,402 | 22,009 | 17,393 | 605,608 | 324,290 | 281,318 |
| Acute rheumatic fever and chronic rheumatic heart diseases (I00-I09) | 3,320 | 1,103 | 2,217 | 227 | 72 | 155 | 3,087 | 1,028 | 2,059 |
| Hypertensive heart disease (I11) | 47,523 | 23,945 | 23,578 | 3,428 | 1,861 | 1,567 | 43,833 | 21,890 | 21,943 |

Table I-12. Number of deaths from 113 selected causes, Enterocolitis due to *Clostridium difficile*, drug-induced causes, alcohol-induced causes, and firearm-related injuries, by Hispanic origin, race for non-Hispanic population, and sex: United States, 2017

[Race and Hispanic origin are reported separately on the death certificate. Persons of Hispanic origin may be of any race. Data for Hispanic persons are not tabulated 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 death certificates and on censuses and surveys; see Technical Notes in this report. Asterisks (*) preceding cause-of-death codes indicate that they are not part of the *International Classification of Diseases, 10th Revision (ICD-10)*; see Technical Notes]

| Cause of death (based on ICD-10) | All origins | | | Hispanic | | | Non-Hispanic ¹ | | |
|---|-------------|---------|---------|------------|--------|--------|---------------------------|---------|---------|
| | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female |
| Hypertensive heart and renal disease (I13) | 7,259 | 3,433 | 3,826 | 533 | 263 | 270 | 6,701 | 3,153 | 3,548 |
| Ischemic heart diseases (I20-I25) | 365,914 | 213,295 | 152,619 | 24,236 | 14,195 | 10,041 | 340,097 | 198,039 | 142,058 |
| Acute myocardial infarction (I21-I22) | 110,346 | 64,436 | 45,910 | 7,550 | 4,437 | 3,113 | 102,485 | 59,807 | 42,678 |
| Other acute ischemic heart diseases (I24) | 4,447 | 2,454 | 1,993 | 199 | 115 | 84 | 4,232 | 2,328 | 1,904 |
| Other forms of chronic ischemic heart disease (I20,I25) | 251,121 | 146,405 | 104,716 | 16,487 | 9,643 | 6,844 | 233,380 | 135,904 | 97,476 |
| Atherosclerotic cardiovascular disease, so described (I25.0) | 63,270 | 39,261 | 24,009 | 4,354 | 2,937 | 1,417 | 58,390 | 35,928 | 22,462 |
| All other forms of chronic ischemic heart disease (I20,I25.1-I25.9) | 187,851 | 107,144 | 80,707 | 12,133 | 6,706 | 5,427 | 174,990 | 99,976 | 75,014 |
| Other heart diseases (I26-I51) | 223,441 | 106,103 | 117,338 | 10,978 | 5,618 | 5,360 | 211,890 | 100,180 | 111,710 |
| Acute and subacute endocarditis (I33) | 1,519 | 918 | 601 | 129 | 89 | 40 | 1,385 | 825 | 560 |
| Diseases of pericardium and acute myocarditis (I30-I31,I40) | 944 | 467 | 477 | 80 | 35 | 45 | 864 | 432 | 432 |
| Heart failure (I50) | 80,480 | 36,824 | 43,656 | 3,780 | 1,820 | 1,960 | 76,555 | 34,937 | 41,618 |
| All other forms of heart disease (I26-I28,I34-I38,I42-I49,I51) | 140,498 | 67,894 | 72,604 | 6,989 | 3,674 | 3,315 | 133,086 | 63,986 | 69,100 |
| Essential hypertension and hypertensive renal disease (I10,I12,I15) | 35,316 | 15,749 | 19,567 | 2,799 | 1,354 | 1,445 | 32,400 | 14,321 | 18,079 |
| Cerebrovascular diseases (I60-I69) | 146,383 | 61,645 | 84,738 | 10,775 | 5,073 | 5,702 | 135,293 | 56,408 | 78,885 |
| Atherosclerosis (I70) | 5,547 | 2,385 | 3,162 | 293 | 148 | 145 | 5,235 | 2,230 | 3,005 |
| Other diseases of circulatory system (I71-I78) | 19,687 | 10,383 | 9,304 | 1,083 | 587 | 496 | 18,542 | 9,755 | 8,787 |
| Aortic aneurysm and dissection (I71) | 9,928 | 5,798 | 4,130 | 462 | 310 | 152 | 9,440 | 5,466 | 3,974 |
| Other diseases of arteries, arterioles and capillaries (I72-I78) | 9,759 | 4,585 | 5,174 | 621 | 277 | 344 | 9,102 | 4,289 | 4,813 |
| Other disorders of circulatory system (I80-I99) | 4,735 | 2,419 | 2,316 | 323 | 195 | 128 | 4,390 | 2,207 | 2,183 |
| Influenza and pneumonia (J09-J18) | 55,672 | 26,558 | 29,114 | 3,851 | 1,911 | 1,940 | 51,630 | 24,538 | 27,092 |
| Influenza (J09-J11) | 6,515 | 2,833 | 3,682 | 458 | 205 | 253 | 6,051 | 2,625 | 3,426 |
| Pneumonia (J12-J18) | 49,157 | 23,725 | 25,432 | 3,393 | 1,706 | 1,687 | 45,579 | 21,913 | 23,666 |
| Other acute lower respiratory infections (J20-J22,U04) | 318 | 135 | 183 | 23 | 11 | 12 | 294 | 123 | 171 |
| Acute bronchitis and bronchiolitis (J20-J21) | 250 | 106 | 144 | 21 | 10 | 11 | 228 | 95 | 133 |
| Other and unspecified acute lower respiratory infections (J22,U04) | 68 | 29 | 39 | 2 | 1 | 1 | 66 | 28 | 38 |
| Chronic lower respiratory diseases (J40-J47) | 160,201 | 75,005 | 85,196 | 5,599 | 2,759 | 2,840 | 154,052 | 71,917 | 82,135 |
| Bronchitis, chronic and unspecified (J40-J42) | 502 | 209 | 293 | 33 | 16 | 17 | 469 | 193 | 276 |
| Emphysema (J43) | 7,085 | 3,661 | 3,424 | 243 | 132 | 111 | 6,816 | 3,517 | 3,299 |
| Asthma (J45-J46) | 3,564 | 1,384 | 2,180 | 322 | 127 | 195 | 3,229 | 1,247 | 1,982 |

Table I-12. Number of deaths from 113 selected causes, Enterocolitis due to *Clostridium difficile*, drug-induced causes, alcohol-induced causes, and firearm-related injuries, by Hispanic origin, race for non-Hispanic population, and sex: United States, 2017

[Race and Hispanic origin are reported separately on the death certificate. Persons of Hispanic origin may be of any race. Data for Hispanic persons are not tabulated 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 death certificates and on censuses and surveys; see Technical Notes in this report. Asterisks (*) preceding cause-of-death codes indicate that they are not part of the *International Classification of Diseases, 10th Revision (ICD-10)*; see Technical Notes]

| Cause of death (based on ICD-10) | All origins | | | Hispanic | | | Non-Hispanic ¹ | | |
|--|-------------|---------|---------|------------|--------|--------|---------------------------|---------|---------|
| | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female |
| Other chronic lower respiratory diseases (J44,J47) | 149,050 | 69,751 | 79,299 | 5,001 | 2,484 | 2,517 | 143,538 | 66,960 | 76,578 |
| Pneumoconioses and chemical effects (J60-J66,J68) | 681 | 650 | 31 | 26 | 25 | 1 | 654 | 624 | 30 |
| Pneumonitis due to solids and liquids (J69) | 20,108 | 11,350 | 8,758 | 1,022 | 567 | 455 | 19,018 | 10,738 | 8,280 |
| Other diseases of respiratory system (J00-J06,J30-J39,J67,J70-J98) | 41,693 | 21,157 | 20,536 | 3,041 | 1,583 | 1,458 | 38,555 | 19,514 | 19,041 |
| Peptic ulcer (K25-K28) | 3,344 | 1,711 | 1,633 | 208 | 121 | 87 | 3,129 | 1,583 | 1,546 |
| Diseases of appendix (K35-K38) | 405 | 224 | 181 | 35 | 20 | 15 | 368 | 203 | 165 |
| Hernia (K40-K46) | 2,158 | 946 | 1,212 | 154 | 71 | 83 | 1,996 | 868 | 1,128 |
| Chronic liver disease and cirrhosis (K70,K73-K74) | 41,743 | 26,451 | 15,292 | 6,286 | 4,369 | 1,917 | 35,285 | 21,957 | 13,328 |
| Alcoholic liver disease (K70) | 22,246 | 15,470 | 6,776 | 3,489 | 2,804 | 685 | 18,654 | 12,590 | 6,064 |
| Other chronic liver disease and cirrhosis (K73-K74) | 19,497 | 10,981 | 8,516 | 2,797 | 1,565 | 1,232 | 16,631 | 9,367 | 7,264 |
| Cholelithiasis and other disorders of gallbladder (K80-K82) | 3,793 | 1,898 | 1,895 | 382 | 190 | 192 | 3,399 | 1,702 | 1,697 |
| Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27) | 50,633 | 25,744 | 24,889 | 3,928 | 1,988 | 1,940 | 46,600 | 23,685 | 22,915 |
| Acute and rapidly progressive nephritic and nephrotic syndrome (N00-N01,N04) | 637 | 338 | 299 | 36 | 20 | 16 | 600 | 318 | 282 |
| Chronic glomerulonephritis, nephritis and nephropathy not specified as acute or chronic, and renal sclerosis unspecified (N02-N03,N05-N07,N26) | 267 | 133 | 134 | 22 | 6 | 16 | 244 | 127 | 117 |
| Renal failure (N17-N19) | 49,709 | 25,263 | 24,446 | 3,868 | 1,960 | 1,908 | 45,738 | 23,232 | 22,506 |
| Other disorders of kidney (N25,N27) | 20 | 10 | 10 | 2 | 2 | - | 18 | 8 | 10 |
| Infections of kidney (N10-N12,N13.6,N15.1) | 807 | 270 | 537 | 81 | 29 | 52 | 722 | 238 | 484 |
| Hyperplasia of prostate (N40) | 619 | 619 | ... | 39 | 39 | ... | 578 | 578 | ... |
| Inflammatory diseases of female pelvic organs (N70-N76) | 135 | ... | 135 | 11 | ... | 11 | 124 | ... | 124 |
| Pregnancy, childbirth and the puerperium (O00-O99) | 1,208 | ... | 1,208 | 204 | ... | 204 | 1,002 | ... | 1,002 |
| Pregnancy with abortive outcome (O00-O07) | 19 | ... | 19 | 1 | ... | 1 | 18 | ... | 18 |
| Other complications of pregnancy, childbirth and the puerperium (O10-O99) | 1,189 | ... | 1,189 | 203 | ... | 203 | 984 | ... | 984 |
| Certain conditions originating in the perinatal period (P00-P96) | 11,108 | 6,303 | 4,805 | 2,409 | 1,356 | 1,053 | 8,554 | 4,871 | 3,683 |
| Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99) | 9,902 | 5,198 | 4,704 | 1,791 | 918 | 873 | 8,067 | 4,254 | 3,813 |
| Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified (R00-R99) | 32,750 | 15,391 | 17,359 | 2,237 | 1,327 | 910 | 30,357 | 13,963 | 16,394 |
| All other diseases (residual) | 334,511 | 142,578 | 191,933 | 19,871 | 9,385 | 10,486 | 313,703 | 132,696 | 181,007 |
| Accidents (unintentional injuries) (V01-X59,Y85-Y86) | 169,936 | 109,722 | 60,214 | 16,757 | 12,455 | 4,302 | 152,383 | 96,646 | 55,737 |
| Transport accidents (V01-V99,Y85) | 43,024 | 30,829 | 12,195 | 6,393 | 4,812 | 1,581 | 36,494 | 25,907 | 10,587 |

Table I-12. Number of deaths from 113 selected causes, Enterocolitis due to *Clostridium difficile*, drug-induced causes, alcohol-induced causes, and firearm-related injuries, by Hispanic origin, race for non-Hispanic population, and sex: United States, 2017

[Race and Hispanic origin are reported separately on the death certificate. Persons of Hispanic origin may be of any race. Data for Hispanic persons are not tabulated 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 death certificates and on censuses and surveys; see Technical Notes in this report. Asterisks (*) preceding cause-of-death codes indicate that they are not part of the *International Classification of Diseases, 10th Revision (ICD-10)*; see Technical Notes]

| Cause of death (based on ICD-10) | All origins | | | Hispanic | | | Non-Hispanic ¹ | | |
|---|-------------|--------|--------|------------|-------|--------|---------------------------|--------|--------|
| | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female |
| 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,V 83-V86,V87.0-V87.8,V88.0-V88.8, V89.0,V89.2) | 40,231 | 28,629 | 11,602 | 6,076 | 4,549 | 1,527 | 34,031 | 23,980 | 10,051 |
| Other land transport accidents (V01,V05-V06,V09.1,V09.3-V09.9,V10-V11,V15-V 18,V19.3,V19.8-V19.9,V80.0-V80.2,V80.6-V80.9,V 81.2-V81.9,V82.2-V82.9,V87.9, V88.9,V89.1,V89.3,V89.9) | 1,075 | 823 | 252 | 166 | 136 | 30 | 901 | 680 | 221 |
| Water, air and space, and other and unspecified transport accidents and their sequelae (V90-V99,Y85) | 1,718 | 1,377 | 341 | 151 | 127 | 24 | 1,562 | 1,247 | 315 |
| Nontransport accidents (W00-X59,Y86) | 126,912 | 78,893 | 48,019 | 10,364 | 7,643 | 2,721 | 115,889 | 70,739 | 45,150 |
| Falls (W00-W19) | 36,338 | 18,392 | 17,946 | 2,122 | 1,314 | 808 | 34,134 | 17,023 | 17,111 |
| Accidental discharge of firearms (W32-W34) | 486 | 423 | 63 | 50 | 48 | 2 | 434 | 374 | 60 |
| Accidental drowning and submersion (W65-W74) | 3,709 | 2,802 | 907 | 512 | 419 | 93 | 3,182 | 2,368 | 814 |
| Accidental exposure to smoke, fire and flames (X00-X09) | 2,812 | 1,666 | 1,146 | 196 | 138 | 58 | 2,597 | 1,511 | 1,086 |
| Accidental poisoning and exposure to noxious substances (X40-X49) | 64,795 | 44,545 | 20,250 | 6,051 | 4,728 | 1,323 | 58,283 | 39,452 | 18,831 |
| Other and unspecified nontransport accidents and their sequelae (W20-W31,W35-W64,W75-W99,X10-X39, X50-X59,Y86) | 18,772 | 11,065 | 7,707 | 1,433 | 996 | 437 | 17,259 | 10,011 | 7,248 |
| Intentional self-harm (suicide) (*U03,X60-X84,Y87.0) | 47,173 | 36,782 | 10,391 | 3,933 | 3,175 | 758 | 43,062 | 33,470 | 9,592 |
| Intentional self-harm (suicide) by discharge of firearms (X72-X74) | 23,854 | 20,615 | 3,239 | 1,423 | 1,252 | 171 | 22,368 | 19,307 | 3,061 |
| Intentional self-harm (suicide) by other and unspecified means and their sequelae (*U03,X60-X71,X75-X84,Y87.0) | 23,319 | 16,167 | 7,152 | 2,510 | 1,923 | 587 | 20,694 | 14,163 | 6,531 |
| Assault (homicide) (*U01-*U02,X85-Y09,Y87.1) | 19,510 | 15,524 | 3,986 | 3,186 | 2,588 | 598 | 16,268 | 12,891 | 3,377 |
| Assault (homicide) by discharge of firearms (*U01.4,X93-X95) | 14,542 | 12,220 | 2,322 | 2,268 | 1,936 | 332 | 12,241 | 10,255 | 1,986 |
| 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) | 4,968 | 3,304 | 1,664 | 918 | 652 | 266 | 4,027 | 2,636 | 1,391 |
| Legal intervention (Y35,Y89.0) | 616 | 586 | 30 | 118 | 112 | 6 | 498 | 474 | 24 |

Table I-12. Number of deaths from 113 selected causes, Enterocolitis due to *Clostridium difficile*, drug-induced causes, alcohol-induced causes, and firearm-related injuries, by Hispanic origin, race for non-Hispanic population, and sex: United States, 2017

[Race and Hispanic origin are reported separately on the death certificate. Persons of Hispanic origin may be of any race. Data for Hispanic persons are not tabulated 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 death certificates and on censuses and surveys; see Technical Notes in this report. Asterisks (*) preceding cause-of-death codes indicate that they are not part of the *International Classification of Diseases, 10th Revision (ICD-10)*; see Technical Notes]

| Cause of death (based on ICD-10) | All origins | | | Hispanic | | | Non-Hispanic ¹ | | |
|---|-------------|--------|--------|------------|-------|--------|---------------------------|--------|--------|
| | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female |
| Events of undetermined intent (Y10–Y34, Y87.2, Y89.9) | 5,799 | 3,765 | 2,034 | 405 | 302 | 103 | 5,368 | 3,443 | 1,925 |
| Discharge of firearms, undetermined intent (Y22–Y24) | 338 | 278 | 60 | 32 | 28 | 4 | 304 | 248 | 56 |
| Other and unspecified events of undetermined intent and their sequelae (Y10–Y21, Y25–Y34, Y87.2, Y89.9) | 5,461 | 3,487 | 1,974 | 373 | 274 | 99 | 5,064 | 3,195 | 1,869 |
| Operations of war and their sequelae (Y36, Y89.1) | 5 | 5 | – | – | – | – | 5 | 5 | – |
| Complications of medical and surgical care (Y40–Y84, Y88) | 4,459 | 2,303 | 2,156 | 311 | 164 | 147 | 4,139 | 2,134 | 2,005 |
| Enterocolitis due to <i>Clostridium difficile</i> (A04.7) ⁴ | 6,118 | 2,481 | 3,637 | 405 | 178 | 227 | 5,697 | 2,293 | 3,404 |
| Drug-induced deaths ^{5,6} | 73,990 | 48,967 | 25,023 | 6,322 | 4,797 | 1,525 | 67,172 | 43,795 | 23,377 |
| Alcohol-induced deaths ^{5,7} | 35,823 | 25,911 | 9,912 | 4,817 | 3,934 | 883 | 30,790 | 21,809 | 8,981 |
| Firearm-related injuries ^{5,8} | 39,773 | 34,062 | 5,711 | 3,884 | 3,369 | 515 | 35,789 | 30,605 | 5,184 |

Table I-12. Number of deaths from 113 selected causes, Enterocolitis due to *Clostridium difficile*, drug-induced causes, alcohol-induced causes, and firearm-related injuries, by Hispanic origin, race for non-Hispanic population, and sex: United States, 2017

[Race and Hispanic origin are reported separately on the death certificate. Persons of Hispanic origin may be of any race. Data for Hispanic persons are not tabulated 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 death certificates and on censuses and surveys; see Technical Notes in this report. Asterisks (*) preceding cause-of-death codes indicate that they are not part of the *International Classification of Diseases, 10th Revision (ICD-10)*; see Technical Notes]

| Cause of death (based on ICD-10) | Non-Hispanic white ² | | | Non-Hispanic black ² | | | Origin not stated ³ | | |
|--|---------------------------------|-----------|-----------|---------------------------------|---------|---------|--------------------------------|-------|--------|
| | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female |
| All causes | 2,179,857 | 1,102,838 | 1,077,019 | 335,667 | 174,403 | 161,264 | 8,934 | 5,553 | 3,381 |
| Salmonella infections (A01-A02) | 28 | 20 | 8 | 9 | 6 | 3 | — | — | — |
| Shigellosis and amebiasis (A03,A06) | 3 | 1 | 2 | — | — | — | — | — | — |
| Certain other intestinal infections (A04,A07-A09) | 7,048 | 2,781 | 4,267 | 858 | 371 | 487 | 28 | 17 | 11 |
| Tuberculosis (A16-A19) | 212 | 134 | 78 | 74 | 48 | 26 | 2 | 1 | 1 |
| Respiratory tuberculosis (A16) | 125 | 83 | 42 | 54 | 36 | 18 | 1 | 1 | — |
| Other tuberculosis (A17-A19) | 87 | 51 | 36 | 20 | 12 | 8 | 1 | — | 1 |
| Whooping cough (A37) | 6 | 3 | 3 | 2 | 2 | — | — | — | — |
| Scarlet fever and erysipelas (A38,A46) | — | — | — | — | — | — | — | — | — |
| Meningococcal infection (A39) | 19 | 9 | 10 | 3 | 2 | 1 | — | — | — |
| Septicemia (A40-A41) | 30,198 | 14,419 | 15,779 | 6,568 | 3,052 | 3,516 | 113 | 69 | 44 |
| Syphilis (A50-A53) | 25 | 17 | 8 | 26 | 15 | 11 | — | — | — |
| Acute poliomyelitis (A80) | — | — | — | — | — | — | — | — | — |
| Arthropod-borne viral encephalitis (A83-A84,A85.2) | 2 | 1 | 1 | — | — | — | — | — | — |
| Measles (B05) | — | — | — | — | — | — | — | — | — |
| Viral hepatitis (B15-B19) | 3,528 | 2,290 | 1,238 | 818 | 555 | 263 | 56 | 43 | 13 |
| Human immunodeficiency virus (HIV) disease (B20-B24) | 1,750 | 1,461 | 289 | 2,965 | 1,963 | 1,002 | 68 | 55 | 13 |
| Malaria (B50-B54) | 4 | 4 | — | 3 | 2 | 1 | — | — | — |
| 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) | 5,737 | 2,951 | 2,786 | 917 | 476 | 441 | 28 | 14 | 14 |
| Malignant neoplasms (C00-C97) | 465,679 | 247,022 | 218,657 | 69,872 | 35,261 | 34,611 | 1,493 | 862 | 631 |
| Malignant neoplasms of lip, oral cavity and pharynx (C00-C14) | 7,995 | 5,680 | 2,315 | 1,058 | 788 | 270 | 34 | 23 | 11 |
| Malignant neoplasm of esophagus (C15) | 12,875 | 10,484 | 2,391 | 1,246 | 869 | 377 | 48 | 41 | 7 |
| Malignant neoplasm of stomach (C16) | 6,322 | 3,908 | 2,414 | 1,867 | 1,118 | 749 | 21 | 13 | 8 |
| Malignant neoplasms of colon, rectum and anus (C18-C21) | 39,790 | 20,736 | 19,054 | 7,214 | 3,793 | 3,421 | 138 | 83 | 55 |
| Malignant neoplasms of liver and intrahepatic bile ducts (C22) | 17,862 | 12,025 | 5,837 | 3,714 | 2,561 | 1,153 | 100 | 75 | 25 |
| Malignant neoplasm of pancreas (C25) | 33,940 | 18,027 | 15,913 | 5,305 | 2,574 | 2,731 | 90 | 40 | 50 |
| Malignant neoplasm of larynx (C32) | 2,723 | 2,176 | 547 | 648 | 500 | 148 | 16 | 11 | 5 |
| Malignant neoplasms of trachea, bronchus and lung (C33-C34) | 120,048 | 63,989 | 56,059 | 15,392 | 8,727 | 6,665 | 375 | 219 | 156 |
| Malignant melanoma of skin (C43) | 7,582 | 5,055 | 2,527 | 132 | 56 | 76 | 16 | 11 | 5 |
| Malignant neoplasm of breast (C50) | 31,427 | 397 | 31,030 | 6,436 | 79 | 6,357 | 100 | 4 | 96 |

Table I-12. Number of deaths from 113 selected causes, Enterocolitis due to *Clostridium difficile*, drug-induced causes, alcohol-induced causes, and firearm-related injuries, by Hispanic origin, race for non-Hispanic population, and sex: United States, 2017

[Race and Hispanic origin are reported separately on the death certificate. Persons of Hispanic origin may be of any race. Data for Hispanic persons are not tabulated 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 death certificates and on censuses and surveys; see Technical Notes in this report. Asterisks (*) preceding cause-of-death codes indicate that they are not part of the *International Classification of Diseases, 10th Revision (ICD-10)*; see Technical Notes]

| Cause of death (based on ICD-10) | Non-Hispanic white ² | | | Non-Hispanic black ² | | | Origin not stated ³ | | |
|---|---------------------------------|---------|---------|---------------------------------|--------|--------|--------------------------------|-------|--------|
| | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female |
| Malignant neoplasm of cervix uteri (C53) | 2,560 | ... | 2,560 | 793 | ... | 793 | 15 | ... | 15 |
| Malignant neoplasms of corpus uteri and uterus, part unspecified (C54-C55) | 7,484 | ... | 7,484 | 2,134 | ... | 2,134 | 25 | ... | 25 |
| Malignant neoplasm of ovary (C56) | 11,101 | ... | 11,101 | 1,389 | ... | 1,389 | 20 | ... | 20 |
| Malignant neoplasm of prostate (C61) | 22,660 | 22,660 | ... | 5,000 | 5,000 | ... | 72 | 72 | ... |
| Malignant neoplasms of kidney and renal pelvis (C64-C65) | 10,881 | 7,064 | 3,817 | 1,386 | 886 | 500 | 30 | 19 | 11 |
| Malignant neoplasm of bladder (C67) | 14,207 | 10,337 | 3,870 | 1,257 | 736 | 521 | 40 | 34 | 6 |
| Malignant neoplasms of meninges, brain and other parts of central nervous system (C70-C72) | 13,883 | 7,815 | 6,068 | 1,105 | 581 | 524 | 27 | 15 | 12 |
| Malignant neoplasms of lymphoid, hematopoietic and related tissue (C81-C96) | 45,382 | 26,182 | 19,200 | 5,978 | 3,171 | 2,807 | 133 | 83 | 50 |
| Hodgkin disease (C81) | 757 | 428 | 329 | 98 | 56 | 42 | 2 | 2 | - |
| Non-Hodgkin lymphoma (C82-C85) | 16,548 | 9,442 | 7,106 | 1,564 | 890 | 674 | 48 | 32 | 16 |
| Leukemia (C91-C95) | 18,832 | 11,034 | 7,798 | 1,959 | 1,017 | 942 | 60 | 38 | 22 |
| Multiple myeloma and immunoproliferative neoplasms (C88,C90) | 9,171 | 5,237 | 3,934 | 2,340 | 1,198 | 1,142 | 23 | 11 | 12 |
| Other and unspecified malignant neoplasms of lymphoid, hematopoietic and related tissue (C96) | 74 | 41 | 33 | 17 | 10 | 7 | - | - | - |
| 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) | 56,957 | 30,487 | 26,470 | 7,818 | 3,822 | 3,996 | 193 | 119 | 74 |
| In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior (D00-D48) | 13,071 | 7,067 | 6,004 | 1,344 | 682 | 662 | 32 | 25 | 7 |
| Anemias (D50-D64) | 3,800 | 1,681 | 2,119 | 1,078 | 488 | 590 | 16 | 6 | 10 |
| Diabetes mellitus (E10-E14) | 55,116 | 31,343 | 23,773 | 14,798 | 7,494 | 7,304 | 273 | 175 | 98 |
| Nutritional deficiencies (E40-E64) | 6,194 | 2,202 | 3,992 | 933 | 387 | 546 | 13 | 5 | 8 |
| Malnutrition (E40-E46) | 5,985 | 2,119 | 3,866 | 910 | 376 | 534 | 13 | 5 | 8 |
| Other nutritional deficiencies (E50-E64) | 209 | 83 | 126 | 23 | 11 | 12 | - | - | - |
| Meningitis (G00,G03) | 369 | 210 | 159 | 122 | 71 | 51 | 4 | 2 | 2 |
| Parkinson disease (G20-G21) | 27,582 | 16,841 | 10,741 | 1,518 | 894 | 624 | 62 | 36 | 26 |
| Alzheimer disease (G30) | 101,876 | 31,577 | 70,299 | 8,991 | 2,476 | 6,515 | 195 | 65 | 130 |
| Major cardiovascular diseases (I00-I78) | 663,092 | 338,319 | 324,773 | 106,397 | 54,323 | 52,074 | 2,960 | 1,866 | 1,094 |
| Diseases of heart (I00-I09,I11,I13,I20-I51) | 508,485 | 272,428 | 236,057 | 78,161 | 41,411 | 36,750 | 2,447 | 1,580 | 867 |
| Acute rheumatic fever and chronic rheumatic heart diseases (I00-I09) | 2,678 | 887 | 1,791 | 271 | 95 | 176 | 6 | 3 | 3 |
| Hypertensive heart disease (I11) | 32,961 | 16,053 | 16,908 | 9,406 | 5,107 | 4,299 | 262 | 194 | 68 |
| Hypertensive heart and renal disease (I13) | 5,056 | 2,337 | 2,719 | 1,398 | 709 | 689 | 25 | 17 | 8 |

Table I-12. Number of deaths from 113 selected causes, Enterocolitis due to *Clostridium difficile*, drug-induced causes, alcohol-induced causes, and firearm-related injuries, by Hispanic origin, race for non-Hispanic population, and sex: United States, 2017

[Race and Hispanic origin are reported separately on the death certificate. Persons of Hispanic origin may be of any race. Data for Hispanic persons are not tabulated 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 death certificates and on censuses and surveys; see Technical Notes in this report. Asterisks (*) preceding cause-of-death codes indicate that they are not part of the *International Classification of Diseases, 10th Revision (ICD-10)*; see Technical Notes]

| Cause of death (based on ICD-10) | Non-Hispanic white ² | | | Non-Hispanic black ² | | | Origin not stated ³ | | |
|---|---------------------------------|---------|---------|---------------------------------|--------|--------|--------------------------------|-------|--------|
| | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female |
| Ischemic heart diseases (I20-I25) | 288,019 | 168,868 | 119,151 | 40,222 | 22,167 | 18,055 | 1,581 | 1,061 | 520 |
| Acute myocardial infarction (I21-I22) | 86,875 | 51,155 | 35,720 | 12,053 | 6,595 | 5,458 | 311 | 192 | 119 |
| Other acute ischemic heart diseases (I24) | 3,419 | 1,901 | 1,518 | 699 | 364 | 335 | 16 | 11 | 5 |
| Other forms of chronic ischemic heart disease (I20,I25) | 197,725 | 115,812 | 81,913 | 27,470 | 15,208 | 12,262 | 1,254 | 858 | 396 |
| Atherosclerotic cardiovascular disease, so described (I25.0) | 46,966 | 28,782 | 18,184 | 9,274 | 5,741 | 3,533 | 526 | 396 | 130 |
| All other forms of chronic ischemic heart disease (I20,I25.1-I25.9) | 150,759 | 87,030 | 63,729 | 18,196 | 9,467 | 8,729 | 728 | 462 | 266 |
| Other heart diseases (I26-I51) | 179,771 | 84,283 | 95,488 | 26,864 | 13,333 | 13,531 | 573 | 305 | 268 |
| Acute and subacute endocarditis (I33) | 1,147 | 685 | 462 | 191 | 113 | 78 | 5 | 4 | 1 |
| Diseases of pericardium and acute myocarditis (I30-I31,I40) | 686 | 343 | 343 | 145 | 77 | 68 | – | – | – |
| Heart failure (I50) | 66,080 | 30,076 | 36,004 | 8,751 | 4,068 | 4,683 | 145 | 67 | 78 |
| All other forms of heart disease (I26-I28,I34-I38,I42-I49,I51) | 111,858 | 53,179 | 58,679 | 17,777 | 9,075 | 8,702 | 423 | 234 | 189 |
| Essential hypertension and hypertensive renal disease (I10,I12,I15) | 24,465 | 10,696 | 13,769 | 6,273 | 2,874 | 3,399 | 117 | 74 | 43 |
| Cerebrovascular diseases (I60-I69) | 110,038 | 45,078 | 64,960 | 19,088 | 8,566 | 10,522 | 315 | 164 | 151 |
| Atherosclerosis (I70) | 4,627 | 1,970 | 2,657 | 467 | 200 | 267 | 19 | 7 | 12 |
| Other diseases of circulatory system (I71-I78) | 15,477 | 8,147 | 7,330 | 2,408 | 1,272 | 1,136 | 62 | 41 | 21 |
| Aortic aneurysm and dissection (I71) | 8,015 | 4,626 | 3,389 | 1,039 | 613 | 426 | 26 | 22 | 4 |
| Other diseases of arteries, arterioles and capillaries (I72-I78) | 7,462 | 3,521 | 3,941 | 1,369 | 659 | 710 | 36 | 19 | 17 |
| Other disorders of circulatory system (I80-I99) | 3,381 | 1,707 | 1,674 | 911 | 457 | 454 | 22 | 17 | 5 |
| Influenza and pneumonia (J09-J18) | 43,397 | 20,515 | 22,882 | 5,556 | 2,682 | 2,874 | 191 | 109 | 82 |
| Influenza (J09-J11) | 5,342 | 2,300 | 3,042 | 461 | 214 | 247 | 6 | 3 | 3 |
| Pneumonia (J12-J18) | 38,055 | 18,215 | 19,840 | 5,095 | 2,468 | 2,627 | 185 | 106 | 79 |
| Other acute lower respiratory infections (J20-J22,U04) | 239 | 93 | 146 | 37 | 22 | 15 | 1 | 1 | – |
| Acute bronchitis and bronchiolitis (J20-J21) | 178 | 67 | 111 | 34 | 21 | 13 | 1 | 1 | – |
| Other and unspecified acute lower respiratory infections (J22,U04) | 61 | 26 | 35 | 3 | 1 | 2 | – | – | – |
| Chronic lower respiratory diseases (J40-J47) | 139,833 | 64,673 | 75,160 | 11,217 | 5,605 | 5,612 | 550 | 329 | 221 |
| Bronchitis, chronic and unspecified (J40-J42) | 419 | 175 | 244 | 37 | 16 | 21 | – | – | – |
| Emphysema (J43) | 6,222 | 3,144 | 3,078 | 444 | 276 | 168 | 26 | 12 | 14 |
| Asthma (J45-J46) | 2,089 | 715 | 1,374 | 953 | 455 | 498 | 13 | 10 | 3 |
| Other chronic lower respiratory diseases (J44,J47) | 131,103 | 60,639 | 70,464 | 9,783 | 4,858 | 4,925 | 511 | 307 | 204 |
| Pneumoconioses and chemical effects (J60-J66,J68) | 622 | 594 | 28 | 22 | 21 | 1 | 1 | 1 | – |

Table I-12. Number of deaths from 113 selected causes, Enterocolitis due to *Clostridium difficile*, drug-induced causes, alcohol-induced causes, and firearm-related injuries, by Hispanic origin, race for non-Hispanic population, and sex: United States, 2017

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| Cause of death (based on ICD-10) | Non-Hispanic white ² | | | Non-Hispanic black ² | | | Origin not stated ³ | | |
|--|---------------------------------|---------|---------|---------------------------------|--------|--------|--------------------------------|------|--------|
| | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female |
| Pneumonitis due to solids and liquids (J69) | 16,449 | 9,352 | 7,097 | 1,928 | 1,019 | 909 | 68 | 45 | 23 |
| Other diseases of respiratory system (J00-J06,J30-J39,J67,J70-J98) | 33,322 | 17,042 | 16,280 | 3,888 | 1,799 | 2,089 | 97 | 60 | 37 |
| Peptic ulcer (K25-K28) | 2,692 | 1,340 | 1,352 | 298 | 166 | 132 | 7 | 7 | - |
| Diseases of appendix (K35-K38) | 295 | 163 | 132 | 58 | 30 | 28 | 2 | 1 | 1 |
| Hernia (K40-K46) | 1,781 | 769 | 1,012 | 167 | 79 | 88 | 8 | 7 | 1 |
| Chronic liver disease and cirrhosis (K70,K73-K74) | 30,223 | 18,866 | 11,357 | 3,290 | 2,064 | 1,226 | 172 | 125 | 47 |
| Alcoholic liver disease (K70) | 15,910 | 10,815 | 5,095 | 1,660 | 1,087 | 573 | 103 | 76 | 27 |
| Other chronic liver disease and cirrhosis (K73-K74) | 14,313 | 8,051 | 6,262 | 1,630 | 977 | 653 | 69 | 49 | 20 |
| Cholelithiasis and other disorders of gallbladder (K80-K82) | 2,866 | 1,429 | 1,437 | 344 | 160 | 184 | 12 | 6 | 6 |
| Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27) | 35,191 | 18,187 | 17,004 | 9,542 | 4,555 | 4,987 | 105 | 71 | 34 |
| Acute and rapidly progressive nephritic and nephrotic syndrome (N00-N01,N04) | 487 | 260 | 227 | 92 | 46 | 46 | 1 | - | 1 |
| Chronic glomerulonephritis, nephritis and nephropathy not specified as acute or chronic, and renal sclerosis unspecified (N02-N03,N05-N07,N26) | 189 | 100 | 89 | 30 | 17 | 13 | 1 | - | 1 |
| Renal failure (N17-N19) | 34,500 | 17,821 | 16,679 | 9,418 | 4,490 | 4,928 | 103 | 71 | 32 |
| Other disorders of kidney (N25,N27) | 15 | 6 | 9 | 2 | 2 | - | - | - | - |
| Infections of kidney (N10-N12,N13.6,N15.1) | 617 | 208 | 409 | 75 | 25 | 50 | 4 | 3 | 1 |
| Hyperplasia of prostate (N40) | 508 | 508 | ... | 44 | 44 | ... | 2 | 2 | ... |
| Inflammatory diseases of female pelvic organs (N70-N76) | 94 | ... | 94 | 25 | ... | 25 | - | ... | - |
| Pregnancy, childbirth and the puerperium (O00-O99) | 561 | ... | 561 | 383 | ... | 383 | 2 | ... | 2 |
| Pregnancy with abortive outcome (O00-O07) | 6 | ... | 6 | 11 | ... | 11 | - | ... | - |
| Other complications of pregnancy, childbirth and the puerperium (O10-O99) | 555 | ... | 555 | 372 | ... | 372 | 2 | ... | 2 |
| Certain conditions originating in the perinatal period (P00-P96) | 4,264 | 2,422 | 1,842 | 3,637 | 2,080 | 1,557 | 145 | 76 | 69 |
| Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99) | 6,044 | 3,198 | 2,846 | 1,597 | 834 | 763 | 44 | 26 | 18 |
| Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified (R00-R99) | 24,949 | 11,184 | 13,765 | 4,510 | 2,302 | 2,208 | 156 | 101 | 55 |
| All other diseases (residual) | 268,482 | 112,818 | 155,664 | 36,312 | 15,869 | 20,443 | 937 | 497 | 440 |
| Accidents (unintentional injuries) (V01-X59,Y85-Y86) | 127,029 | 79,280 | 47,749 | 19,869 | 13,844 | 6,025 | 796 | 621 | 175 |
| Transport accidents (V01-V99,Y85) | 28,177 | 19,915 | 8,262 | 6,433 | 4,773 | 1,660 | 137 | 110 | 27 |

Table I-12. Number of deaths from 113 selected causes, Enterocolitis due to *Clostridium difficile*, drug-induced causes, alcohol-induced causes, and firearm-related injuries, by Hispanic origin, race for non-Hispanic population, and sex: United States, 2017

[Race and Hispanic origin are reported separately on the death certificate. Persons of Hispanic origin may be of any race. Data for Hispanic persons are not tabulated 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 death certificates and on censuses and surveys; see Technical Notes in this report. Asterisks (*) preceding cause-of-death codes indicate that they are not part of the *International Classification of Diseases, 10th Revision (ICD-10)*; see Technical Notes]

| Cause of death (based on ICD-10) | Non-Hispanic white ² | | | Non-Hispanic black ² | | | Origin not stated ³ | | |
|---|---------------------------------|--------|--------|---------------------------------|-------|--------|--------------------------------|------|--------|
| | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female |
| 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) | 26,177 | 18,356 | 7,821 | 6,109 | 4,510 | 1,599 | 124 | 100 | 24 |
| 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) | 683 | 508 | 175 | 160 | 133 | 27 | 8 | 7 | 1 |
| Water, air and space, and other and unspecified transport accidents and their sequelae (V90-V99,Y85) | 1,317 | 1,051 | 266 | 164 | 130 | 34 | 5 | 3 | 2 |
| Nontransport accidents (W00-X59,Y86) | 98,852 | 59,365 | 39,487 | 13,436 | 9,071 | 4,365 | 659 | 511 | 148 |
| Falls (W00-W19) | 31,455 | 15,511 | 15,944 | 1,525 | 873 | 652 | 82 | 55 | 27 |
| Accidental discharge of firearms (W32-W34) | 312 | 263 | 49 | 105 | 97 | 8 | 2 | 1 | 1 |
| Accidental drowning and submersion (W65-W74) | 2,312 | 1,698 | 614 | 591 | 465 | 126 | 15 | 15 | - |
| Accidental exposure to smoke, fire and flames (X00-X09) | 1,990 | 1,164 | 826 | 520 | 300 | 220 | 19 | 17 | 2 |
| Accidental poisoning and exposure to noxious substances (X40-X49) | 48,568 | 32,538 | 16,030 | 8,266 | 5,894 | 2,372 | 461 | 365 | 96 |
| Other and unspecified nontransport accidents and their sequelae (W20-W31,W35-W64,W75-W99,X10-X39,X50-X59,Y86) | 14,215 | 8,191 | 6,024 | 2,429 | 1,442 | 987 | 80 | 58 | 22 |
| Intentional self-harm (suicide) (*U03,X60-X84,Y87.0) | 38,106 | 29,708 | 8,398 | 2,940 | 2,324 | 616 | 178 | 137 | 41 |
| Intentional self-harm (suicide) by discharge of firearms (X72-X74) | 20,328 | 17,516 | 2,812 | 1,444 | 1,282 | 162 | 63 | 56 | 7 |
| Intentional self-harm (suicide) by other and unspecified means and their sequelae (*U03,X60-X71,X75-X84,Y87.0) | 17,778 | 12,192 | 5,586 | 1,496 | 1,042 | 454 | 115 | 81 | 34 |
| Assault (homicide) (*U01-*U02,X85-Y09,Y87.1) | 5,747 | 3,815 | 1,932 | 9,908 | 8,643 | 1,265 | 56 | 45 | 11 |
| Assault (homicide) by discharge of firearms (*U01.4,X93-X95) | 3,549 | 2,466 | 1,083 | 8,371 | 7,546 | 825 | 33 | 29 | 4 |
| 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) | 2,198 | 1,349 | 849 | 1,537 | 1,097 | 440 | 23 | 16 | 7 |
| Legal intervention (Y35,Y89.0) | 312 | 292 | 20 | 152 | 148 | 4 | - | - | - |
| Events of undetermined intent (Y10-Y34,Y87.2,Y89.9) | 4,176 | 2,590 | 1,586 | 1,011 | 733 | 278 | 26 | 20 | 6 |

Table I-12. Number of deaths from 113 selected causes, Enterocolitis due to *Clostridium difficile*, drug-induced causes, alcohol-induced causes, and firearm-related injuries, by Hispanic origin, race for non-Hispanic population, and sex: United States, 2017

[Race and Hispanic origin are reported separately on the death certificate. Persons of Hispanic origin may be of any race. Data for Hispanic persons are not tabulated 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 death certificates and on censuses and surveys; see Technical Notes in this report. Asterisks (*) preceding cause-of-death codes indicate that they are not part of the *International Classification of Diseases, 10th Revision (ICD-10)*; see Technical Notes]

| Cause of death (based on ICD-10) | Non-Hispanic white ² | | | Non-Hispanic black ² | | | Origin not stated ³ | | |
|---|---------------------------------|--------|--------|---------------------------------|-------|--------|--------------------------------|------|--------|
| | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female |
| Discharge of firearms, undetermined intent (Y22-Y24) | 219 | 176 | 43 | 71 | 60 | 11 | 2 | 2 | – |
| Other and unspecified events of undetermined intent and their sequelae (Y10-Y21, Y25-Y34, Y87.2, Y89.9) | 3,957 | 2,414 | 1,543 | 940 | 673 | 267 | 24 | 18 | 6 |
| Operations of war and their sequelae (Y36, Y89.1) | 5 | 5 | – | – | – | – | – | – | – |
| Complications of medical and surgical care (Y40-Y84, Y88) | 3,333 | 1,727 | 1,606 | 650 | 330 | 320 | 9 | 5 | 4 |
| Enterocolitis due to <i>Clostridium difficile</i> (A04.7) ⁴ | 4,975 | 2,002 | 2,973 | 557 | 226 | 331 | 16 | 10 | 6 |
| Drug-induced deaths ^{5,6} | 56,232 | 36,166 | 20,066 | 9,406 | 6,602 | 2,804 | 496 | 375 | 121 |
| Alcohol-induced deaths ^{5,7} | 26,064 | 18,486 | 7,578 | 3,022 | 2,172 | 850 | 216 | 168 | 48 |
| Firearm-related injuries ^{5,8} | 24,690 | 20,686 | 4,004 | 10,117 | 9,107 | 1,010 | 100 | 88 | 12 |

– Quantity zero.

... Category not applicable.

¹Includes races other than white and black.

²Race categories are consistent with 1977 Office of Management and Budget (OMB) standards. Multiple-race data were reported by 50 states and the District of Columbia in 2017; see Technical Notes. Multiple-race data for these reporting areas were bridged to the single-race categories of 1977 OMB standards for comparability with other reporting areas; see Technical Notes.

³Includes deaths for which Hispanic origin was not reported on the death certificate.

⁴Included in "Certain other intestinal infections (A04, A07-A09)" shown above. Beginning with data year 2006, Enterocolitis due to *Clostridium difficile* (A04.7) is shown separately at the bottom of tables showing 113 selected causes and is included in the list of rankable causes; see Technical Notes.

⁵Included in selected categories above.

⁶Includes ICD-10 codes D52.1, D59.0, D59.2, D61.1, D64.2, E06.4, E16.0, E23.1, E24.2, E27.3, E66.1, F11.1-F11.5, F11.7-F11.9, F12.1-F12.5, F12.7-F12.9, F13.1-F13.5, F13.7-F13.9, F14.1-F14.5, F14.7-F14.9, F15.1-F15.5, F15.7-F15.9, F16.1-F16.5, F16.7-F16.9, F17.3-F17.5, F17.7-F17.9, F18.1-F18.5, F18.7-F18.9, F19.1-F19.5, F19.7-F19.9, G21.1, G24.0, G25.1, G25.4, G25.6, G44.4, G62.0, G72.0, I95.2, J70.2-J70.4, K85.3, L10.5, L27.0-L27.1, M10.2, M32.0, M80.4, M81.4, M83.5, M87.1, R50.2, R78.1-R78.5, X40-X44, X60-X64, X85, and Y10-Y14.

⁷Includes ICD-10 codes E24.4, F10, G31.2, G62.1, G72.1, I42.6, K29.2, K70, K85.2, K86.0, R78.0, X45, X65, and Y15.

⁸Includes ICD-10 codes *U01.4, W32-W34, X72-X74, X93-X95, Y22-Y24, and Y35.0.

SOURCE: NCHS, National Vital Statistics System, Mortality.

Table I-13. Death rates for 113 selected causes, Enterocolitis due to *Clostridium difficile*, drug-induced causes, alcohol-induced causes, and firearm-related injuries, by Hispanic origin, race for non-Hispanic population, and sex: United States, 2017

[Rates are per 100,000 population in specified group. Populations used for computing death rates are postcensal estimates based on the 2010 census estimated as of July 1, 2017; see Technical Notes in this report. 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 death certificates and on censuses and surveys; see Technical Notes. Asterisks (*) preceding cause-of-death codes indicate that they are not part of the *International Classification of Diseases, 10th Revision (ICD-10)*; see Technical Notes]

| Cause of death (based on ICD-10) | All origins ¹ | | | Hispanic | | | Non-Hispanic ² | | |
|--|--------------------------|-------|--------|------------|-------|--------|---------------------------|---------|--------|
| | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female |
| All causes | 863.8 | 897.2 | 831.4 | 334.6 | 364.6 | 304.0 | 977.4 | 1,014.3 | 941.9 |
| Salmonella infections (A01-A02) | 0.0 | 0.0 | * | * | * | * | 0.0 | 0.0 | * |
| Shigellosis and amebiasis (A03,A06) | * | * | * | * | * | * | * | * | * |
| Certain other intestinal infections (A04,A07-A09) | 2.7 | 2.2 | 3.2 | 1.0 | 0.9 | 1.2 | 3.1 | 2.5 | 3.6 |
| Tuberculosis (A16-A19) | 0.2 | 0.2 | 0.1 | 0.2 | 0.2 | 0.1 | 0.2 | 0.2 | 0.1 |
| Respiratory tuberculosis (A16) | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| Other tuberculosis (A17-A19) | 0.1 | 0.1 | 0.0 | 0.1 | * | * | 0.0 | 0.1 | 0.0 |
| Whooping cough (A37) | * | * | * | * | * | * | * | * | * |
| Scarlet fever and erysipelas (A38,A46) | * | * | * | * | * | * | * | * | * |
| Meningococcal infection (A39) | 0.0 | * | * | * | * | * | 0.0 | * | * |
| Septicemia (A40-A41) | 12.6 | 12.2 | 12.9 | 4.9 | 4.9 | 4.8 | 14.2 | 13.8 | 14.6 |
| Syphilis (A50-A53) | 0.0 | 0.0 | 0.0 | * | * | * | 0.0 | 0.0 | * |
| Acute poliomyelitis (A80) | * | * | * | * | * | * | * | * | * |
| Arthropod-borne viral encephalitis (A83-A84,A85.2) | * | * | * | * | * | * | * | * | * |
| Measles (B05) | * | * | * | * | * | * | * | * | * |
| Viral hepatitis (B15-B19) | 1.7 | 2.3 | 1.2 | 1.5 | 2.0 | 1.0 | 1.8 | 2.3 | 1.2 |
| Human immunodeficiency virus (HIV) disease (B20-B24) | 1.7 | 2.6 | 0.9 | 1.4 | 2.2 | 0.6 | 1.8 | 2.7 | 1.0 |
| Malaria (B50-B54) | * | * | * | * | * | * | * | * | * |
| 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) | 2.4 | 2.5 | 2.2 | 1.1 | 1.3 | 0.9 | 2.6 | 2.8 | 2.5 |
| Malignant neoplasms (C00-C97) | 183.9 | 196.5 | 171.8 | 68.8 | 70.6 | 66.9 | 208.8 | 224.5 | 193.8 |
| Malignant neoplasms of lip, oral cavity and pharynx (C00-C14) | 3.1 | 4.5 | 1.7 | 1.0 | 1.4 | 0.6 | 3.6 | 5.2 | 2.0 |
| Malignant neoplasm of esophagus (C15) | 4.7 | 7.7 | 1.8 | 1.3 | 2.1 | 0.5 | 5.4 | 8.9 | 2.1 |
| Malignant neoplasm of stomach (C16) | 3.4 | 4.2 | 2.7 | 3.2 | 3.6 | 2.8 | 3.5 | 4.3 | 2.7 |
| Malignant neoplasms of colon, rectum and anus (C18-C21) | 16.4 | 17.5 | 15.3 | 7.0 | 7.8 | 6.3 | 18.4 | 19.7 | 17.2 |
| Malignant neoplasms of liver and intrahepatic bile ducts (C22) | 8.3 | 11.4 | 5.4 | 6.0 | 7.8 | 4.1 | 8.8 | 12.1 | 5.6 |
| Malignant neoplasm of pancreas (C25) | 13.5 | 14.3 | 12.8 | 5.2 | 5.0 | 5.4 | 15.3 | 16.4 | 14.3 |
| Malignant neoplasm of larynx (C32) | 1.1 | 1.8 | 0.5 | 0.4 | 0.7 | 0.1 | 1.3 | 2.1 | 0.5 |
| Malignant neoplasms of trachea, bronchus and lung (C33-C34) | 44.8 | 49.1 | 40.6 | 9.3 | 10.7 | 7.8 | 52.5 | 57.7 | 47.6 |
| Malignant melanoma of skin (C43) | 2.5 | 3.3 | 1.7 | 0.4 | 0.5 | 0.3 | 2.9 | 3.9 | 1.9 |

Table I-13. Death rates for 113 selected causes, Enterocolitis due to *Clostridium difficile*, drug-induced causes, alcohol-induced causes, and firearm-related injuries, by Hispanic origin, race for non-Hispanic population, and sex: United States, 2017

[Rates are per 100,000 population in specified group. Populations used for computing death rates are postcensal estimates based on the 2010 census estimated as of July 1, 2017; see Technical Notes in this report. 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 death certificates and on censuses and surveys; see Technical Notes. Asterisks (*) preceding cause-of-death codes indicate that they are not part of the *International Classification of Diseases, 10th Revision (ICD-10)*; see Technical Notes]

| Cause of death (based on ICD-10) | All origins ¹ | | | Hispanic | | | Non-Hispanic ² | | |
|---|--------------------------|-------|--------|------------|------|--------|---------------------------|-------|--------|
| | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female |
| Malignant neoplasm of breast (C50) | 13.1 | 0.3 | 25.4 | 5.1 | * | 10.2 | 14.8 | 0.4 | 28.6 |
| Malignant neoplasm of cervix uteri (C53) | 1.3 | ... | 2.5 | 1.0 | ... | 2.1 | 1.3 | ... | 2.6 |
| Malignant neoplasms of corpus uteri and uterus, part unspecified (C54-C55) | 3.4 | ... | 6.7 | 1.5 | ... | 3.1 | 3.8 | ... | 7.4 |
| Malignant neoplasm of ovary (C56) | 4.4 | ... | 8.6 | 1.9 | ... | 3.8 | 4.9 | ... | 9.6 |
| Malignant neoplasm of prostate (C61) | 9.4 | 19.0 | ... | 3.4 | 6.8 | ... | 10.6 | 21.7 | ... |
| Malignant neoplasms of kidney and renal pelvis (C64-C65) | 4.3 | 5.6 | 3.0 | 2.1 | 2.7 | 1.5 | 4.8 | 6.3 | 3.3 |
| Malignant neoplasm of bladder (C67) | 5.1 | 7.4 | 2.9 | 1.4 | 1.8 | 0.9 | 5.9 | 8.7 | 3.3 |
| Malignant neoplasms of meninges, brain and other parts of central nervous system (C70-C72) | 5.2 | 5.9 | 4.5 | 2.2 | 2.4 | 2.0 | 5.8 | 6.6 | 5.0 |
| Malignant neoplasms of lymphoid, hematopoietic and related tissue (C81-C96) | 17.7 | 20.5 | 15.0 | 7.4 | 8.1 | 6.7 | 20.0 | 23.3 | 16.7 |
| Hodgkin disease (C81) | 0.3 | 0.4 | 0.3 | 0.2 | 0.2 | 0.2 | 0.3 | 0.4 | 0.3 |
| Non-Hodgkin lymphoma (C82-C85) | 6.3 | 7.3 | 5.3 | 2.7 | 2.9 | 2.5 | 7.1 | 8.2 | 5.9 |
| Leukemia (C91-C95) | 7.2 | 8.4 | 6.0 | 3.0 | 3.3 | 2.7 | 8.1 | 9.6 | 6.6 |
| Multiple myeloma and immunoproliferative neoplasms (C88,C90) | 3.9 | 4.5 | 3.4 | 1.5 | 1.6 | 1.4 | 4.5 | 5.1 | 3.9 |
| Other and unspecified malignant neoplasms of lymphoid, hematopoietic and related tissue (C96) | 0.0 | 0.0 | 0.0 | * | * | * | 0.0 | 0.0 | 0.0 |
| 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) | 22.3 | 23.9 | 20.7 | 8.9 | 9.2 | 8.6 | 25.2 | 27.2 | 23.3 |
| In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior (D00-D48) | 4.9 | 5.3 | 4.4 | 1.5 | 1.6 | 1.4 | 5.6 | 6.1 | 5.1 |
| Anemias (D50-D64) | 1.7 | 1.5 | 1.8 | 0.6 | 0.5 | 0.6 | 1.9 | 1.7 | 2.1 |
| Diabetes mellitus (E10-E14) | 25.7 | 28.9 | 22.5 | 15.6 | 17.0 | 14.3 | 27.8 | 31.4 | 24.2 |
| Nutritional deficiencies (E40-E64) | 2.4 | 1.8 | 3.0 | 0.8 | 0.6 | 0.9 | 2.8 | 2.1 | 3.4 |
| Malnutrition (E40-E46) | 2.3 | 1.7 | 2.9 | 0.8 | 0.6 | 0.9 | 2.7 | 2.0 | 3.3 |
| Other nutritional deficiencies (E50-E64) | 0.1 | 0.1 | 0.1 | * | * | * | 0.1 | 0.1 | 0.1 |
| Meningitis (G00,G03) | 0.2 | 0.2 | 0.2 | 0.1 | 0.2 | 0.1 | 0.2 | 0.2 | 0.2 |
| Parkinson disease (G20-G21) | 9.8 | 12.1 | 7.6 | 3.1 | 3.6 | 2.6 | 11.3 | 14.0 | 8.7 |
| Alzheimer disease (G30) | 37.3 | 23.3 | 50.9 | 12.5 | 7.7 | 17.4 | 42.7 | 26.8 | 57.9 |
| Major cardiovascular diseases (I00-I78) | 262.3 | 273.1 | 251.9 | 92.2 | 98.0 | 86.3 | 298.8 | 311.6 | 286.5 |
| Diseases of heart (I00-I09,I11,I13,I20-I51) | 198.8 | 216.9 | 181.2 | 66.8 | 73.9 | 59.6 | 227.0 | 248.3 | 206.6 |
| Acute rheumatic fever and chronic rheumatic heart diseases (I00-I09) | 1.0 | 0.7 | 1.3 | 0.4 | 0.2 | 0.5 | 1.2 | 0.8 | 1.5 |

Table I-13. Death rates for 113 selected causes, Enterocolitis due to *Clostridium difficile*, drug-induced causes, alcohol-induced causes, and firearm-related injuries, by Hispanic origin, race for non-Hispanic population, and sex: United States, 2017

[Rates are per 100,000 population in specified group. Populations used for computing death rates are postcensal estimates based on the 2010 census estimated as of July 1, 2017; see Technical Notes in this report. 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 death certificates and on censuses and surveys; see Technical Notes. Asterisks (*) preceding cause-of-death codes indicate that they are not part of the *International Classification of Diseases, 10th Revision (ICD-10)*; see Technical Notes]

| Cause of death (based on ICD-10) | All origins ¹ | | | Hispanic | | | Non-Hispanic ² | | |
|---|--------------------------|-------|--------|------------|------|--------|---------------------------|-------|--------|
| | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female |
| Hypertensive heart disease (I11) | 14.6 | 14.9 | 14.3 | 5.8 | 6.2 | 5.4 | 16.4 | 16.8 | 16.1 |
| Hypertensive heart and renal disease (I13) | 2.2 | 2.1 | 2.3 | 0.9 | 0.9 | 0.9 | 2.5 | 2.4 | 2.6 |
| Ischemic heart diseases (I20-I25) | 112.3 | 133.0 | 92.3 | 41.1 | 47.7 | 34.4 | 127.5 | 151.6 | 104.3 |
| Acute myocardial infarction (I21-I22) | 33.9 | 40.2 | 27.8 | 12.8 | 14.9 | 10.7 | 38.4 | 45.8 | 31.3 |
| Other acute ischemic heart diseases (I24) | 1.4 | 1.5 | 1.2 | 0.3 | 0.4 | 0.3 | 1.6 | 1.8 | 1.4 |
| Other forms of chronic ischemic heart disease (I20,I25) | 77.1 | 91.3 | 63.3 | 28.0 | 32.4 | 23.5 | 87.5 | 104.0 | 71.6 |
| Atherosclerotic cardiovascular disease, so described (I25.0) | 19.4 | 24.5 | 14.5 | 7.4 | 9.9 | 4.9 | 21.9 | 27.5 | 16.5 |
| All other forms of chronic ischemic heart disease (I20,I25.1-I25.9) | 57.7 | 66.8 | 48.8 | 20.6 | 22.5 | 18.6 | 65.6 | 76.5 | 55.1 |
| Other heart diseases (I26-I51) | 68.6 | 66.1 | 71.0 | 18.6 | 18.9 | 18.4 | 79.4 | 76.7 | 82.1 |
| Acute and subacute endocarditis (I33) | 0.5 | 0.6 | 0.4 | 0.2 | 0.3 | 0.1 | 0.5 | 0.6 | 0.4 |
| Diseases of pericardium and acute myocarditis (I30-I31,I40) | 0.3 | 0.3 | 0.3 | 0.1 | 0.1 | 0.2 | 0.3 | 0.3 | 0.3 |
| Heart failure (I50) | 24.7 | 23.0 | 26.4 | 6.4 | 6.1 | 6.7 | 28.7 | 26.7 | 30.6 |
| All other forms of heart disease (I26-I28,I34-I38,I42-I49,I51) | 43.1 | 42.3 | 43.9 | 11.9 | 12.3 | 11.4 | 49.9 | 49.0 | 50.8 |
| Essential hypertension and hypertensive renal disease (I10,I12,I15) | 10.8 | 9.8 | 11.8 | 4.7 | 4.5 | 5.0 | 12.1 | 11.0 | 13.3 |
| Cerebrovascular diseases (I60-I69) | 44.9 | 38.4 | 51.3 | 18.3 | 17.0 | 19.5 | 50.7 | 43.2 | 57.9 |
| Atherosclerosis (I70) | 1.7 | 1.5 | 1.9 | 0.5 | 0.5 | 0.5 | 2.0 | 1.7 | 2.2 |
| Other diseases of circulatory system (I71-I78) | 6.0 | 6.5 | 5.6 | 1.8 | 2.0 | 1.7 | 7.0 | 7.5 | 6.5 |
| Aortic aneurysm and dissection (I71) | 3.0 | 3.6 | 2.5 | 0.8 | 1.0 | 0.5 | 3.5 | 4.2 | 2.9 |
| Other diseases of arteries, arterioles and capillaries (I72-I78) | 3.0 | 2.9 | 3.1 | 1.1 | 0.9 | 1.2 | 3.4 | 3.3 | 3.5 |
| Other disorders of circulatory system (I80-I99) | 1.5 | 1.5 | 1.4 | 0.5 | 0.7 | 0.4 | 1.6 | 1.7 | 1.6 |
| Influenza and pneumonia (J09-J18) | 17.1 | 16.6 | 17.6 | 6.5 | 6.4 | 6.7 | 19.4 | 18.8 | 19.9 |
| Influenza (J09-J11) | 2.0 | 1.8 | 2.2 | 0.8 | 0.7 | 0.9 | 2.3 | 2.0 | 2.5 |
| Pneumonia (J12-J18) | 15.1 | 14.8 | 15.4 | 5.8 | 5.7 | 5.8 | 17.1 | 16.8 | 17.4 |
| Other acute lower respiratory infections (J20-J22,U04) | 0.1 | 0.1 | 0.1 | 0.0 | * | * | 0.1 | 0.1 | 0.1 |
| Acute bronchitis and bronchiolitis (J20-J21) | 0.1 | 0.1 | 0.1 | 0.0 | * | * | 0.1 | 0.1 | 0.1 |
| Other and unspecified acute lower respiratory infections (J22,U04) | 0.0 | 0.0 | 0.0 | * | * | * | 0.0 | 0.0 | 0.0 |
| Chronic lower respiratory diseases (J40-J47) | 49.2 | 46.8 | 51.5 | 9.5 | 9.3 | 9.7 | 57.7 | 55.1 | 60.3 |
| Bronchitis, chronic and unspecified (J40-J42) | 0.2 | 0.1 | 0.2 | 0.1 | * | * | 0.2 | 0.1 | 0.2 |
| Emphysema (J43) | 2.2 | 2.3 | 2.1 | 0.4 | 0.4 | 0.4 | 2.6 | 2.7 | 2.4 |

Table I-13. Death rates for 113 selected causes, Enterocolitis due to *Clostridium difficile*, drug-induced causes, alcohol-induced causes, and firearm-related injuries, by Hispanic origin, race for non-Hispanic population, and sex: United States, 2017

[Rates are per 100,000 population in specified group. Populations used for computing death rates are postcensal estimates based on the 2010 census estimated as of July 1, 2017; see Technical Notes in this report. 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 death certificates and on censuses and surveys; see Technical Notes. Asterisks (*) preceding cause-of-death codes indicate that they are not part of the *International Classification of Diseases, 10th Revision (ICD-10)*; see Technical Notes]

| Cause of death (based on ICD-10) | All origins ¹ | | | Hispanic | | | Non-Hispanic ² | | |
|--|--------------------------|------|--------|------------|------|--------|---------------------------|------|--------|
| | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female |
| Asthma (J45-J46) | 1.1 | 0.9 | 1.3 | 0.5 | 0.4 | 0.7 | 1.2 | 1.0 | 1.5 |
| Other chronic lower respiratory diseases (J44,J47) | 45.8 | 43.5 | 48.0 | 8.5 | 8.3 | 8.6 | 53.8 | 51.3 | 56.2 |
| Pneumoconioses and chemical effects (J60-J66,J68) | 0.2 | 0.4 | 0.0 | 0.0 | 0.1 | * | 0.2 | 0.5 | 0.0 |
| Pneumonitis due to solids and liquids (J69) | 6.2 | 7.1 | 5.3 | 1.7 | 1.9 | 1.6 | 7.1 | 8.2 | 6.1 |
| Other diseases of respiratory system (J00-J06,J30-J39,J67,J70-J98) | 12.8 | 13.2 | 12.4 | 5.2 | 5.3 | 5.0 | 14.5 | 14.9 | 14.0 |
| Peptic ulcer (K25-K28) | 1.0 | 1.1 | 1.0 | 0.4 | 0.4 | 0.3 | 1.2 | 1.2 | 1.1 |
| Diseases of appendix (K35-K38) | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | * | 0.1 | 0.2 | 0.1 |
| Hernia (K40-K46) | 0.7 | 0.6 | 0.7 | 0.3 | 0.2 | 0.3 | 0.7 | 0.7 | 0.8 |
| Chronic liver disease and cirrhosis (K70,K73-K74) | 12.8 | 16.5 | 9.3 | 10.7 | 14.7 | 6.6 | 13.2 | 16.8 | 9.8 |
| Alcoholic liver disease (K70) | 6.8 | 9.6 | 4.1 | 5.9 | 9.4 | 2.3 | 7.0 | 9.6 | 4.5 |
| Other chronic liver disease and cirrhosis (K73-K74) | 6.0 | 6.8 | 5.2 | 4.7 | 5.3 | 4.2 | 6.2 | 7.2 | 5.3 |
| Cholelithiasis and other disorders of gallbladder (K80-K82) | 1.2 | 1.2 | 1.1 | 0.6 | 0.6 | 0.7 | 1.3 | 1.3 | 1.2 |
| Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27) | 15.5 | 16.0 | 15.1 | 6.7 | 6.7 | 6.7 | 17.5 | 18.1 | 16.8 |
| Acute and rapidly progressive nephritic and nephrotic syndrome (N00-N01,N04) | 0.2 | 0.2 | 0.2 | 0.1 | 0.1 | * | 0.2 | 0.2 | 0.2 |
| Chronic glomerulonephritis, nephritis and nephropathy not specified as acute or chronic, and renal sclerosis unspecified (N02-N03,N05-N07,N26) | 0.1 | 0.1 | 0.1 | 0.0 | * | * | 0.1 | 0.1 | 0.1 |
| Renal failure (N17-N19) | 15.3 | 15.7 | 14.8 | 6.6 | 6.6 | 6.5 | 17.1 | 17.8 | 16.5 |
| Other disorders of kidney (N25,N27) | 0.0 | * | * | * | * | * | * | * | * |
| Infections of kidney (N10-N12,N13.6,N15.1) | 0.2 | 0.2 | 0.3 | 0.1 | 0.1 | 0.2 | 0.3 | 0.2 | 0.4 |
| Hyperplasia of prostate (N40) | 0.2 | 0.4 | ... | 0.1 | 0.1 | ... | 0.2 | 0.4 | ... |
| Inflammatory diseases of female pelvic organs (N70-N76) | 0.0 | ... | 0.1 | * | ... | * | 0.0 | ... | 0.1 |
| Pregnancy, childbirth and the puerperium (O00-O99) | 0.4 | ... | 0.7 | 0.3 | ... | 0.7 | 0.4 | ... | 0.7 |
| Pregnancy with abortive outcome (O00-O07) | * | ... | * | * | ... | * | * | ... | * |
| Other complications of pregnancy, childbirth and the puerperium (O10-O99) | 0.4 | ... | 0.7 | 0.3 | ... | 0.7 | 0.4 | ... | 0.7 |
| Certain conditions originating in the perinatal period (P00-P96) | 3.4 | 3.9 | 2.9 | 4.1 | 4.6 | 3.6 | 3.2 | 3.7 | 2.7 |
| Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99) | 3.0 | 3.2 | 2.8 | 3.0 | 3.1 | 3.0 | 3.0 | 3.3 | 2.8 |
| Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified (R00-R99) | 10.1 | 9.6 | 10.5 | 3.8 | 4.5 | 3.1 | 11.4 | 10.7 | 12.0 |

Table I-13. Death rates for 113 selected causes, Enterocolitis due to *Clostridium difficile*, drug-induced causes, alcohol-induced causes, and firearm-related injuries, by Hispanic origin, race for non-Hispanic population, and sex: United States, 2017

[Rates are per 100,000 population in specified group. Populations used for computing death rates are postcensal estimates based on the 2010 census estimated as of July 1, 2017; see Technical Notes in this report. 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 death certificates and on censuses and surveys; see Technical Notes. Asterisks (*) preceding cause-of-death codes indicate that they are not part of the *International Classification of Diseases, 10th Revision (ICD-10)*; see Technical Notes]

| Cause of death (based on ICD-10) | All origins ¹ | | | Hispanic | | | Non-Hispanic ² | | |
|---|--------------------------|------|--------|------------|------|--------|---------------------------|-------|--------|
| | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female |
| All other diseases (residual) | 102.7 | 88.9 | 116.1 | 33.7 | 31.5 | 36.0 | 117.6 | 101.6 | 133.0 |
| Accidents (unintentional injuries) (V01-X59,Y85-Y86) | 52.2 | 68.4 | 36.4 | 28.4 | 41.8 | 14.7 | 57.1 | 74.0 | 40.9 |
| Transport accidents (V01-V99,Y85) | 13.2 | 19.2 | 7.4 | 10.8 | 16.2 | 5.4 | 13.7 | 19.8 | 7.8 |
| 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) | 12.4 | 17.8 | 7.0 | 10.3 | 15.3 | 5.2 | 12.8 | 18.4 | 7.4 |
| 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) | 0.3 | 0.5 | 0.2 | 0.3 | 0.5 | 0.1 | 0.3 | 0.5 | 0.2 |
| Water, air and space, and other and unspecified transport accidents and their sequelae (V90-V99,Y85) | 0.5 | 0.9 | 0.2 | 0.3 | 0.4 | 0.1 | 0.6 | 1.0 | 0.2 |
| Nontransport accidents (W00-X59,Y86) | 39.0 | 49.2 | 29.0 | 17.6 | 25.7 | 9.3 | 43.4 | 54.2 | 33.2 |
| Falls (W00-W19) | 11.2 | 11.5 | 10.9 | 3.6 | 4.4 | 2.8 | 12.8 | 13.0 | 12.6 |
| Accidental discharge of firearms (W32-W34) | 0.1 | 0.3 | 0.0 | 0.1 | 0.2 | * | 0.2 | 0.3 | 0.0 |
| Accidental drowning and submersion (W65-W74) | 1.1 | 1.7 | 0.5 | 0.9 | 1.4 | 0.3 | 1.2 | 1.8 | 0.6 |
| Accidental exposure to smoke, fire and flames (X00-X09) | 0.9 | 1.0 | 0.7 | 0.3 | 0.5 | 0.2 | 1.0 | 1.2 | 0.8 |
| Accidental poisoning and exposure to noxious substances (X40-X49) | 19.9 | 27.8 | 12.2 | 10.3 | 15.9 | 4.5 | 21.8 | 30.2 | 13.8 |
| Other and unspecified nontransport accidents and their sequelae (W20-W31,W35-W64,W75-W99,X10-X39,X50-X59,Y86) | 5.8 | 6.9 | 4.7 | 2.4 | 3.3 | 1.5 | 6.5 | 7.7 | 5.3 |
| Intentional self-harm (suicide) (*U03,X60-X84,Y87.0) | 14.5 | 22.9 | 6.3 | 6.7 | 10.7 | 2.6 | 16.1 | 25.6 | 7.0 |
| Intentional self-harm (suicide) by discharge of firearms (X72-X74) | 7.3 | 12.9 | 2.0 | 2.4 | 4.2 | 0.6 | 8.4 | 14.8 | 2.2 |
| Intentional self-harm (suicide) by other and unspecified means and their sequelae (*U03,X60-X71,X75-X84,Y87.0) | 7.2 | 10.1 | 4.3 | 4.3 | 6.5 | 2.0 | 7.8 | 10.8 | 4.8 |
| Assault (homicide) (*U01-*U02,X85-Y09,Y87.1) | 6.0 | 9.7 | 2.4 | 5.4 | 8.7 | 2.1 | 6.1 | 9.9 | 2.5 |
| Assault (homicide) by discharge of firearms (*U01.4,X93-X95) | 4.5 | 7.6 | 1.4 | 3.8 | 6.5 | 1.1 | 4.6 | 7.9 | 1.5 |

Table I-13. Death rates for 113 selected causes, Enterocolitis due to *Clostridium difficile*, drug-induced causes, alcohol-induced causes, and firearm-related injuries, by Hispanic origin, race for non-Hispanic population, and sex: United States, 2017

[Rates are per 100,000 population in specified group. Populations used for computing death rates are postcensal estimates based on the 2010 census estimated as of July 1, 2017; see Technical Notes in this report. 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 death certificates and on censuses and surveys; see Technical Notes. Asterisks (*) preceding cause-of-death codes indicate that they are not part of the *International Classification of Diseases, 10th Revision (ICD-10)*; see Technical Notes]

| Cause of death (based on ICD-10) | All origins ¹ | | | Hispanic | | | Non-Hispanic ² | | |
|---|--------------------------|------|--------|------------|------|--------|---------------------------|------|--------|
| | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female |
| 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) | 1.5 | 2.1 | 1.0 | 1.6 | 2.2 | 0.9 | 1.5 | 2.0 | 1.0 |
| Legal intervention (Y35,Y89.0) | 0.2 | 0.4 | 0.0 | 0.2 | 0.4 | * | 0.2 | 0.4 | 0.0 |
| Events of undetermined intent (Y10-Y34,Y87.2,Y89.9) | 1.8 | 2.3 | 1.2 | 0.7 | 1.0 | 0.4 | 2.0 | 2.6 | 1.4 |
| Discharge of firearms, undetermined intent (Y22-Y24) | 0.1 | 0.2 | 0.0 | 0.1 | 0.1 | * | 0.1 | 0.2 | 0.0 |
| Other and unspecified events of undetermined intent and their sequelae (Y10-Y21,Y25-Y34,Y87.2,Y89.9) | 1.7 | 2.2 | 1.2 | 0.6 | 0.9 | 0.3 | 1.9 | 2.4 | 1.4 |
| Operations of war and their sequelae (Y36,Y89.1) | * | * | * | * | * | * | * | * | * |
| Complications of medical and surgical care (Y40-Y84,Y88) | 1.4 | 1.4 | 1.3 | 0.5 | 0.6 | 0.5 | 1.6 | 1.6 | 1.5 |
| Enterocolitis due to <i>Clostridium difficile</i> (A04.7) ⁴ | 1.9 | 1.5 | 2.2 | 0.7 | 0.6 | 0.8 | 2.1 | 1.8 | 2.5 |
| Drug-induced deaths ^{5,6} | 22.7 | 30.5 | 15.1 | 10.7 | 16.1 | 5.2 | 25.2 | 33.5 | 17.2 |
| Alcohol-induced deaths ^{5,7} | 11.0 | 16.2 | 6.0 | 8.2 | 13.2 | 3.0 | 11.5 | 16.7 | 6.6 |
| Firearm-related injuries ^{5,8} | 12.2 | 21.2 | 3.5 | 6.6 | 11.3 | 1.8 | 13.4 | 23.4 | 3.8 |

Table I-13. Death rates for 113 selected causes, Enterocolitis due to *Clostridium difficile*, drug-induced causes, alcohol-induced causes, and firearm-related injuries, by Hispanic origin, race for non-Hispanic population, and sex: United States, 2017

[Rates are per 100,000 population in specified group. Populations used for computing death rates are postcensal estimates based on the 2010 census estimated as of July 1, 2017; see Technical Notes in this report. 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 death certificates and on censuses and surveys; see Technical Notes. Asterisks (*) preceding cause-of-death codes indicate that they are not part of the *International Classification of Diseases, 10th Revision (ICD-10)*; see Technical Notes]

| Cause of death (based on ICD-10) | Non-Hispanic white ³ | | | Non-Hispanic black ³ | | |
|--|---------------------------------|---------|---------|---------------------------------|-------|--------|
| | Both sexes | Male | Female | Both sexes | Male | Female |
| All causes | 1,083.2 | 1,111.4 | 1,055.8 | 787.5 | 854.2 | 726.1 |
| Salmonella infections (A01-A02) | 0.0 | 0.0 | * | * | * | * |
| Shigellosis and amebiasis (A03,A06) | * | * | * | * | * | * |
| Certain other intestinal infections (A04,A07-A09) | 3.5 | 2.8 | 4.2 | 2.0 | 1.8 | 2.2 |
| Tuberculosis (A16-A19) | 0.1 | 0.1 | 0.1 | 0.2 | 0.2 | 0.1 |
| Respiratory tuberculosis (A16) | 0.1 | 0.1 | 0.0 | 0.1 | 0.2 | * |
| Other tuberculosis (A17-A19) | 0.0 | 0.1 | 0.0 | 0.0 | * | * |
| Whooping cough (A37) | * | * | * | * | * | * |
| Scarlet fever and erysipelas (A38,A46) | * | * | * | * | * | * |
| Meningococcal infection (A39) | * | * | * | * | * | * |
| Septicemia (A40-A41) | 15.0 | 14.5 | 15.5 | 15.4 | 14.9 | 15.8 |
| Syphilis (A50-A53) | 0.0 | * | * | 0.1 | * | * |
| Acute poliomyelitis (A80) | * | * | * | * | * | * |
| Arthropod-borne viral encephalitis (A83-A84,A85.2) | * | * | * | * | * | * |
| Measles (B05) | * | * | * | * | * | * |
| Viral hepatitis (B15-B19) | 1.8 | 2.3 | 1.2 | 1.9 | 2.7 | 1.2 |
| Human immunodeficiency virus (HIV) disease (B20-B24) | 0.9 | 1.5 | 0.3 | 7.0 | 9.6 | 4.5 |
| Malaria (B50-B54) | * | * | * | * | * | * |
| 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) | 2.9 | 3.0 | 2.7 | 2.2 | 2.3 | 2.0 |
| Malignant neoplasms (C00-C97) | 231.4 | 248.9 | 214.3 | 163.9 | 172.7 | 155.8 |
| (C00-C14) | 4.0 | 5.7 | 2.3 | 2.5 | 3.9 | 1.2 |
| Malignant neoplasm of esophagus (C15) | 6.4 | 10.6 | 2.3 | 2.9 | 4.3 | 1.7 |
| Malignant neoplasm of stomach (C16) | 3.1 | 3.9 | 2.4 | 4.4 | 5.5 | 3.4 |
| Malignant neoplasms of colon, rectum and anus (C18-C21) | 19.8 | 20.9 | 18.7 | 16.9 | 18.6 | 15.4 |
| Malignant neoplasms of liver and intrahepatic bile ducts (C22) | 8.9 | 12.1 | 5.7 | 8.7 | 12.5 | 5.2 |
| Malignant neoplasm of pancreas (C25) | 16.9 | 18.2 | 15.6 | 12.4 | 12.6 | 12.3 |
| Malignant neoplasm of larynx (C32) | 1.4 | 2.2 | 0.5 | 1.5 | 2.4 | 0.7 |
| Malignant neoplasms of trachea, bronchus and lung (C33-C34) | 59.7 | 64.5 | 55.0 | 36.1 | 42.7 | 30.0 |
| Malignant melanoma of skin (C43) | 3.8 | 5.1 | 2.5 | 0.3 | 0.3 | 0.3 |
| Malignant neoplasm of breast (C50) | 15.6 | 0.4 | 30.4 | 15.1 | 0.4 | 28.6 |

Table I-13. Death rates for 113 selected causes, Enterocolitis due to *Clostridium difficile*, drug-induced causes, alcohol-induced causes, and firearm-related injuries, by Hispanic origin, race for non-Hispanic population, and sex: United States, 2017

[Rates are per 100,000 population in specified group. Populations used for computing death rates are postcensal estimates based on the 2010 census estimated as of July 1, 2017; see Technical Notes in this report. 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 death certificates and on censuses and surveys; see Technical Notes. Asterisks (*) preceding cause-of-death codes indicate that they are not part of the *International Classification of Diseases, 10th Revision (ICD-10)*; see Technical Notes]

| Cause of death (based on ICD-10) | Non-Hispanic white ³ | | | Non-Hispanic black ³ | | |
|---|---------------------------------|-------|--------|---------------------------------|-------|--------|
| | Both sexes | Male | Female | Both sexes | Male | Female |
| Malignant neoplasm of cervix uteri (C53) | 1.3 | ... | 2.5 | 1.9 | ... | 3.6 |
| Malignant neoplasms of corpus uteri and uterus, part unspecified (C54-C55) | 3.7 | ... | 7.3 | 5.0 | ... | 9.6 |
| Malignant neoplasm of ovary (C56) | 5.5 | ... | 10.9 | 3.3 | ... | 6.3 |
| Malignant neoplasm of prostate (C61) | 11.3 | 22.8 | ... | 11.7 | 24.5 | ... |
| Malignant neoplasms of kidney and renal pelvis (C64-C65) | 5.4 | 7.1 | 3.7 | 3.3 | 4.3 | 2.3 |
| Malignant neoplasm of bladder (C67) | 7.1 | 10.4 | 3.8 | 2.9 | 3.6 | 2.3 |
| Malignant neoplasms of meninges, brain and other parts of central nervous system (C70-C72) | 6.9 | 7.9 | 5.9 | 2.6 | 2.8 | 2.4 |
| Malignant neoplasms of lymphoid, hematopoietic and related tissue (C81-C96) | 22.6 | 26.4 | 18.8 | 14.0 | 15.5 | 12.6 |
| Hodgkin disease (C81) | 0.4 | 0.4 | 0.3 | 0.2 | 0.3 | 0.2 |
| Non-Hodgkin lymphoma (C82-C85) | 8.2 | 9.5 | 7.0 | 3.7 | 4.4 | 3.0 |
| Leukemia (C91-C95) | 9.4 | 11.1 | 7.6 | 4.6 | 5.0 | 4.2 |
| Multiple myeloma and immunoproliferative neoplasms (C88,C90) | 4.6 | 5.3 | 3.9 | 5.5 | 5.9 | 5.1 |
| Other and unspecified malignant neoplasms of lymphoid, hematopoietic and related tissue (C96) | 0.0 | 0.0 | 0.0 | * | * | * |
| 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) | 28.3 | 30.7 | 25.9 | 18.3 | 18.7 | 18.0 |
| In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior (D00-D48) | 6.5 | 7.1 | 5.9 | 3.2 | 3.3 | 3.0 |
| Anemias (D50-D64) | 1.9 | 1.7 | 2.1 | 2.5 | 2.4 | 2.7 |
| Diabetes mellitus (E10-E14) | 27.4 | 31.6 | 23.3 | 34.7 | 36.7 | 32.9 |
| Nutritional deficiencies (E40-E64) | 3.1 | 2.2 | 3.9 | 2.2 | 1.9 | 2.5 |
| Malnutrition (E40-E46) | 3.0 | 2.1 | 3.8 | 2.1 | 1.8 | 2.4 |
| Other nutritional deficiencies (E50-E64) | 0.1 | 0.1 | 0.1 | 0.1 | * | * |
| Meningitis (G00,G03) | 0.2 | 0.2 | 0.2 | 0.3 | 0.3 | 0.2 |
| Parkinson disease (G20-G21) | 13.7 | 17.0 | 10.5 | 3.6 | 4.4 | 2.8 |
| Alzheimer disease (G30) | 50.6 | 31.8 | 68.9 | 21.1 | 12.1 | 29.3 |
| Major cardiovascular diseases (I00-I78) | 329.5 | 340.9 | 318.4 | 249.6 | 266.1 | 234.5 |
| Diseases of heart (I00-I09,I11,I13,I20-I51) | 252.7 | 274.5 | 231.4 | 183.4 | 202.8 | 165.5 |
| Acute rheumatic fever and chronic rheumatic heart diseases (I00-I09) | 1.3 | 0.9 | 1.8 | 0.6 | 0.5 | 0.8 |
| Hypertensive heart disease (I11) | 16.4 | 16.2 | 16.6 | 22.1 | 25.0 | 19.4 |
| Hypertensive heart and renal disease (I13) | 2.5 | 2.4 | 2.7 | 3.3 | 3.5 | 3.1 |

Table I-13. Death rates for 113 selected causes, Enterocolitis due to *Clostridium difficile*, drug-induced causes, alcohol-induced causes, and firearm-related injuries, by Hispanic origin, race for non-Hispanic population, and sex: United States, 2017

[Rates are per 100,000 population in specified group. Populations used for computing death rates are postcensal estimates based on the 2010 census estimated as of July 1, 2017; see Technical Notes in this report. 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 death certificates and on censuses and surveys; see Technical Notes. Asterisks (*) preceding cause-of-death codes indicate that they are not part of the *International Classification of Diseases, 10th Revision (ICD-10)*; see Technical Notes]

| Cause of death (based on ICD-10) | Non-Hispanic white ³ | | | Non-Hispanic black ³ | | |
|---|---------------------------------|-------|--------|---------------------------------|-------|--------|
| | Both sexes | Male | Female | Both sexes | Male | Female |
| Ischemic heart diseases (I20-I25) | 143.1 | 170.2 | 116.8 | 94.4 | 108.6 | 81.3 |
| Acute myocardial infarction (I21-I22) | 43.2 | 51.6 | 35.0 | 28.3 | 32.3 | 24.6 |
| Other acute ischemic heart diseases (I24) | 1.7 | 1.9 | 1.5 | 1.6 | 1.8 | 1.5 |
| Other forms of chronic ischemic heart disease (I20,I25) | 98.3 | 116.7 | 80.3 | 64.4 | 74.5 | 55.2 |
| Atherosclerotic cardiovascular disease, so described (I25.0) | 23.3 | 29.0 | 17.8 | 21.8 | 28.1 | 15.9 |
| All other forms of chronic ischemic heart disease (I20,I25.1-I25.9) | 74.9 | 87.7 | 62.5 | 42.7 | 46.4 | 39.3 |
| Other heart diseases (I26-I51) | 89.3 | 84.9 | 93.6 | 63.0 | 65.3 | 60.9 |
| Acute and subacute endocarditis (I33) | 0.6 | 0.7 | 0.5 | 0.4 | 0.6 | 0.4 |
| Diseases of pericardium and acute myocarditis (I30-I31,I40) | 0.3 | 0.3 | 0.3 | 0.3 | 0.4 | 0.3 |
| Heart failure (I50) | 32.8 | 30.3 | 35.3 | 20.5 | 19.9 | 21.1 |
| All other forms of heart disease (I26-I28,I34-I38,I42-I49,I51) | 55.6 | 53.6 | 57.5 | 41.7 | 44.4 | 39.2 |
| Essential hypertension and hypertensive renal disease (I10,I12,I15) | 12.2 | 10.8 | 13.5 | 14.7 | 14.1 | 15.3 |
| Cerebrovascular diseases (I60-I69) | 54.7 | 45.4 | 63.7 | 44.8 | 42.0 | 47.4 |
| Atherosclerosis (I70) | 2.3 | 2.0 | 2.6 | 1.1 | 1.0 | 1.2 |
| Other diseases of circulatory system (I71-I78) | 7.7 | 8.2 | 7.2 | 5.6 | 6.2 | 5.1 |
| Aortic aneurysm and dissection (I71) | 4.0 | 4.7 | 3.3 | 2.4 | 3.0 | 1.9 |
| Other diseases of arteries, arterioles and capillaries (I72-I78) | 3.7 | 3.5 | 3.9 | 3.2 | 3.2 | 3.2 |
| Other disorders of circulatory system (I80-I99) | 1.7 | 1.7 | 1.6 | 2.1 | 2.2 | 2.0 |
| Influenza and pneumonia (J09-J18) | 21.6 | 20.7 | 22.4 | 13.0 | 13.1 | 12.9 |
| Influenza (J09-J11) | 2.7 | 2.3 | 3.0 | 1.1 | 1.0 | 1.1 |
| Pneumonia (J12-J18) | 18.9 | 18.4 | 19.4 | 12.0 | 12.1 | 11.8 |
| Other acute lower respiratory infections (J20-J22,U04) | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | * |
| Acute bronchitis and bronchiolitis (J20-J21) | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | * |
| Other and unspecified acute lower respiratory infections (J22,U04) | 0.0 | 0.0 | 0.0 | * | * | * |
| Chronic lower respiratory diseases (J40-J47) | 69.5 | 65.2 | 73.7 | 26.3 | 27.5 | 25.3 |
| Bronchitis, chronic and unspecified (J40-J42) | 0.2 | 0.2 | 0.2 | 0.1 | * | 0.1 |
| Emphysema (J43) | 3.1 | 3.2 | 3.0 | 1.0 | 1.4 | 0.8 |
| Asthma (J45-J46) | 1.0 | 0.7 | 1.3 | 2.2 | 2.2 | 2.2 |
| Other chronic lower respiratory diseases (J44,J47) | 65.1 | 61.1 | 69.1 | 23.0 | 23.8 | 22.2 |
| Pneumoconioses and chemical effects (J60-J66,J68) | 0.3 | 0.6 | 0.0 | 0.1 | 0.1 | * |

Table I-13. Death rates for 113 selected causes, Enterocolitis due to *Clostridium difficile*, drug-induced causes, alcohol-induced causes, and firearm-related injuries, by Hispanic origin, race for non-Hispanic population, and sex: United States, 2017

[Rates are per 100,000 population in specified group. Populations used for computing death rates are postcensal estimates based on the 2010 census estimated as of July 1, 2017; see Technical Notes in this report. 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 death certificates and on censuses and surveys; see Technical Notes. Asterisks (*) preceding cause-of-death codes indicate that they are not part of the *International Classification of Diseases, 10th Revision* (ICD-10); see Technical Notes]

| Cause of death (based on ICD-10) | Non-Hispanic white ³ | | | Non-Hispanic black ³ | | |
|--|---------------------------------|-------|--------|---------------------------------|------|--------|
| | Both sexes | Male | Female | Both sexes | Male | Female |
| Pneumonitis due to solids and liquids (J69) | 8.2 | 9.4 | 7.0 | 4.5 | 5.0 | 4.1 |
| Other diseases of respiratory system (J00-J06,J30-J39,J67,J70-J98) | 16.6 | 17.2 | 16.0 | 9.1 | 8.8 | 9.4 |
| Peptic ulcer (K25-K28) | 1.3 | 1.4 | 1.3 | 0.7 | 0.8 | 0.6 |
| Diseases of appendix (K35-K38) | 0.1 | 0.2 | 0.1 | 0.1 | 0.1 | 0.1 |
| Hernia (K40-K46) | 0.9 | 0.8 | 1.0 | 0.4 | 0.4 | 0.4 |
| Chronic liver disease and cirrhosis (K70,K73-K74) | 15.0 | 19.0 | 11.1 | 7.7 | 10.1 | 5.5 |
| Alcoholic liver disease (K70) | 7.9 | 10.9 | 5.0 | 3.9 | 5.3 | 2.6 |
| Other chronic liver disease and cirrhosis (K73-K74) | 7.1 | 8.1 | 6.1 | 3.8 | 4.8 | 2.9 |
| Cholelithiasis and other disorders of gallbladder (K80-K82) | 1.4 | 1.4 | 1.4 | 0.8 | 0.8 | 0.8 |
| Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27) | 17.5 | 18.3 | 16.7 | 22.4 | 22.3 | 22.5 |
| Acute and rapidly progressive nephritic and nephrotic syndrome (N00-N01,N04) | 0.2 | 0.3 | 0.2 | 0.2 | 0.2 | 0.2 |
| Chronic glomerulonephritis, nephritis and nephropathy not specified as acute or chronic, and renal sclerosis unspecified (N02-N03,N05-N07,N26) | 0.1 | 0.1 | 0.1 | 0.1 | * | * |
| Renal failure (N17-N19) | 17.1 | 18.0 | 16.4 | 22.1 | 22.0 | 22.2 |
| Other disorders of kidney (N25,N27) | * | * | * | * | * | * |
| Infections of kidney (N10-N12,N13.6,N15.1) | 0.3 | 0.2 | 0.4 | 0.2 | 0.1 | 0.2 |
| Hyperplasia of prostate (N40) | 0.3 | 0.5 | ... | 0.1 | 0.2 | ... |
| Inflammatory diseases of female pelvic organs (N70-N76) | 0.0 | ... | 0.1 | 0.1 | ... | 0.1 |
| Pregnancy, childbirth and the puerperium (O00-O99) | 0.3 | ... | 0.5 | 0.9 | ... | 1.7 |
| Pregnancy with abortive outcome (O00-O07) | * | ... | * | * | ... | * |
| Other complications of pregnancy, childbirth and the puerperium (O10-O99) | 0.3 | ... | 0.5 | 0.9 | ... | 1.7 |
| Certain conditions originating in the perinatal period (P00-P96) | 2.1 | 2.4 | 1.8 | 8.5 | 10.2 | 7.0 |
| Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99) | 3.0 | 3.2 | 2.8 | 3.7 | 4.1 | 3.4 |
| Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified (R00-R99) | 12.4 | 11.3 | 13.5 | 10.6 | 11.3 | 9.9 |
| All other diseases (residual) | 133.4 | 113.7 | 152.6 | 85.2 | 77.7 | 92.1 |
| Accidents (unintentional injuries) (V01-X59,Y85-Y86) | 63.1 | 79.9 | 46.8 | 46.6 | 67.8 | 27.1 |
| Transport accidents (V01-V99,Y85) | 14.0 | 20.1 | 8.1 | 15.1 | 23.4 | 7.5 |

Table I-13. Death rates for 113 selected causes, Enterocolitis due to *Clostridium difficile*, drug-induced causes, alcohol-induced causes, and firearm-related injuries, by Hispanic origin, race for non-Hispanic population, and sex: United States, 2017

[Rates are per 100,000 population in specified group. Populations used for computing death rates are postcensal estimates based on the 2010 census estimated as of July 1, 2017; see Technical Notes in this report. 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 death certificates and on censuses and surveys; see Technical Notes. Asterisks (*) preceding cause-of-death codes indicate that they are not part of the *International Classification of Diseases, 10th Revision (ICD-10)*; see Technical Notes]

| Cause of death (based on ICD-10) | Non-Hispanic white ³ | | | Non-Hispanic black ³ | | |
|--|---------------------------------|------|--------|---------------------------------|------|--------|
| | Both sexes | Male | Female | Both sexes | Male | Female |
| 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) | 13.0 | 18.5 | 7.7 | 14.3 | 22.1 | 7.2 |
| 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) | 0.3 | 0.5 | 0.2 | 0.4 | 0.7 | 0.1 |
| Water, air and space, and other and unspecified transport accidents and their sequelae (V90-V99,Y85) | 0.7 | 1.1 | 0.3 | 0.4 | 0.6 | 0.2 |
| Nontransport accidents (W00-X59,Y86) | 49.1 | 59.8 | 38.7 | 31.5 | 44.4 | 19.7 |
| Falls (W00-W19) | 15.6 | 15.6 | 15.6 | 3.6 | 4.3 | 2.9 |
| Accidental discharge of firearms (W32-W34) | 0.2 | 0.3 | 0.0 | 0.2 | 0.5 | * |
| Accidental drowning and submersion (W65-W74) | 1.1 | 1.7 | 0.6 | 1.4 | 2.3 | 0.6 |
| Accidental exposure to smoke, fire and flames (X00-X09) | 1.0 | 1.2 | 0.8 | 1.2 | 1.5 | 1.0 |
| Accidental poisoning and exposure to noxious substances (X40-X49) | 24.1 | 32.8 | 15.7 | 19.4 | 28.9 | 10.7 |
| Other and unspecified nontransport accidents and their sequelae (W20-W31,W35-W64,W75-W99,X10-X39,X50-X59,Y86) | 7.1 | 8.3 | 5.9 | 5.7 | 7.1 | 4.4 |
| Intentional self-harm (suicide) (*U03,X60-X84,Y87.0) | 18.9 | 29.9 | 8.2 | 6.9 | 11.4 | 2.8 |
| Intentional self-harm (suicide) by discharge of firearms (X72-X74) | 10.1 | 17.7 | 2.8 | 3.4 | 6.3 | 0.7 |
| Intentional self-harm (suicide) by other and unspecified means and their sequelae (*U03,X60-X71,X75-X84,Y87.0) | 8.8 | 12.3 | 5.5 | 3.5 | 5.1 | 2.0 |
| Assault (homicide) (*U01-*U02,X85-Y09,Y87.1) | 2.9 | 3.8 | 1.9 | 23.2 | 42.3 | 5.7 |
| Assault (homicide) by discharge of firearms (*U01.4,X93-X95) | 1.8 | 2.5 | 1.1 | 19.6 | 37.0 | 3.7 |
| 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) | 1.1 | 1.4 | 0.8 | 3.6 | 5.4 | 2.0 |
| Legal intervention (Y35,Y89.0) | 0.2 | 0.3 | 0.0 | 0.4 | 0.7 | * |
| Events of undetermined intent (Y10-Y34,Y87.2,Y89.9) | 2.1 | 2.6 | 1.6 | 2.4 | 3.6 | 1.3 |

Table I-13. Death rates for 113 selected causes, Enterocolitis due to *Clostridium difficile*, drug-induced causes, alcohol-induced causes, and firearm-related injuries, by Hispanic origin, race for non-Hispanic population, and sex: United States, 2017

[Rates are per 100,000 population in specified group. Populations used for computing death rates are postcensal estimates based on the 2010 census estimated as of July 1, 2017; see Technical Notes in this report. 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 death certificates and on censuses and surveys; see Technical Notes. Asterisks (*) preceding cause-of-death codes indicate that they are not part of the *International Classification of Diseases, 10th Revision (ICD-10)*; see Technical Notes]

| Cause of death (based on ICD-10) | Non-Hispanic white ³ | | | Non-Hispanic black ³ | | |
|---|---------------------------------|------|--------|---------------------------------|------|--------|
| | Both sexes | Male | Female | Both sexes | Male | Female |
| Discharge of firearms, undetermined intent (Y22-Y24) | 0.1 | 0.2 | 0.0 | 0.2 | 0.3 | * |
| Other and unspecified events of undetermined intent and their sequelae (Y10-Y21, Y25-Y34, Y87.2, Y89.9) | 2.0 | 2.4 | 1.5 | 2.2 | 3.3 | 1.2 |
| Operations of war and their sequelae (Y36, Y89.1) | * | * | * | * | * | * |
| Complications of medical and surgical care (Y40-Y84, Y88) | 1.7 | 1.7 | 1.6 | 1.5 | 1.6 | 1.4 |
| Enterocolitis due to <i>Clostridium difficile</i> (A04.7) ⁴ | 2.5 | 2.0 | 2.9 | 1.3 | 1.1 | 1.5 |
| Drug-induced deaths ^{5,6} | 27.9 | 36.4 | 19.7 | 22.1 | 32.3 | 12.6 |
| Alcohol-induced deaths ^{5,7} | 13.0 | 18.6 | 7.4 | 7.1 | 10.6 | 3.8 |
| Firearm-related injuries ^{5,8} | 12.3 | 20.8 | 3.9 | 23.7 | 44.6 | 4.5 |

0.0 Quantity more than zero but less than 0.05.

* Rate does not meet NCHS standards of reliability; see Technical Notes.

... Category not applicable.

¹Figures for origin not stated are included in "All origins" but not distributed among specified origins.

²Includes races other than white and black.

³Race categories are consistent with 1977 Office of Management and Budget (OMB) standards. Multiple-race data were reported by 50 states and the District of Columbia in 2017; see Technical Notes. Multiple-race data for these reporting areas were bridged to the single-race categories of 1977 OMB standards for comparability with other reporting areas; see Technical Notes.

⁴Included in "Certain other intestinal infections (A04, A07-A09)" shown above. Beginning with data year 2006, Enterocolitis due to *Clostridium difficile* (A04.7) is shown separately at the bottom of tables showing 113 selected causes and is included in the list of rankable causes; see Technical Notes.

⁵Included in selected categories above.

⁶Includes ICD-10 codes D52.1, D59.0, D59.2, D61.1, D64.2, E06.4, E16.0, E23.1, E24.2, E27.3, E66.1, F11.1-F11.5, F11.7-F11.9, F12.1-F12.5, F12.7-F12.9, F13.1-F13.5, F13.7-F13.9, F14.1-F14.5, F14.7-F14.9, F15.1-F15.5, F15.7-F15.9, F16.1-F16.5, F16.7-16.9, F17.3-F17.5, F17.7-F17.9, F18.1-F18.5, F18.7-F18.9, F19.1-F19.5, F19.7-F19.9, G21.1, G24.0, G25.1, G25.4, G25.6, G44.4, G62.0, G72.0, I95.2, J70.2-J70.4, K85.3, L10.5, L27.0-L27.1, M10.2, M32.0, M80.4, M81.4, M83.5, M87.1, R50.2, R78.1-R78.5, X40-X44, X60-X64, X85, and Y10-Y14.

⁷Includes ICD-10 codes E24.4, F10, G31.2, G62.1, G72.1, I42.6, K29.2, K70, K85.2, K86.0, R78.0, X45, X65, and Y15.

⁸Includes ICD-10 codes *U01.4, W32-W34, X72-X74, X93-X95, Y22-Y24, and Y35.0.

SOURCE: NCHS, National Vital Statistics System, Mortality.

Table I-14. Age-adjusted death rates for 113 selected causes, Enterocolitis due to *Clostridium difficile*, drug-induced causes, alcohol-induced causes, and firearm-related injuries, by Hispanic origin, race for non-Hispanic population, and sex: United States, 2017

[Age-adjusted rates are per 100,000 U.S. standard population; see Technical Notes in this report. Populations used for computing death rates are postcensal estimates based on the 2010 census estimated as of July 1, 2017; see Technical Notes. 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 death certificates and on censuses and surveys; see Technical Notes. Asterisks (*) preceding cause-of-death codes indicate that they are not part of the *International Classification of Diseases, 10th Revision* (ICD-10); see Technical Notes]

| Cause of death (based on ICD-10) | All origins ¹ | | | Hispanic | | | Non-Hispanic ² | | | Non-Hispanic white ³ | | | Non-Hispanic black ³ | | |
|--|--------------------------|-------|--------|------------|-------|--------|---------------------------|-------|--------|---------------------------------|-------|--------|---------------------------------|---------|--------|
| | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female |
| All causes | 731.9 | 864.5 | 619.7 | 524.7 | 631.8 | 434.2 | 753.8 | 889.0 | 639.5 | 755.0 | 885.1 | 642.8 | 881.0 | 1,083.3 | 728.0 |
| Salmonella infections (A01-A02) | 0.0 | 0.0 | * | * | * | * | 0.0 | 0.0 | * | 0.0 | 0.0 | * | * | * | * |
| Shigellosis and amebiasis (A03,A06) | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| Certain other intestinal infections (A04,A07-A09) | 2.3 | 2.2 | 2.3 | 1.7 | 1.8 | 1.7 | 2.3 | 2.2 | 2.4 | 2.4 | 2.2 | 2.5 | 2.3 | 2.3 | 2.2 |
| Tuberculosis (A16-A19) | 0.1 | 0.2 | 0.1 | 0.3 | 0.4 | 0.2 | 0.1 | 0.2 | 0.1 | 0.1 | 0.1 | 0.0 | 0.2 | 0.3 | 0.1 |
| Respiratory tuberculosis (A16) | 0.1 | 0.1 | 0.0 | 0.2 | 0.3 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | 0.1 | 0.0 | 0.1 | 0.2 | * |
| Other tuberculosis (A17-A19) | 0.0 | 0.0 | 0.0 | 0.1 | * | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | * | * |
| Whooping cough (A37) | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| Scarlet fever and erysipelas (A38,A46) | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| Meningococcal infection (A39) | 0.0 | * | * | * | * | * | 0.0 | * | * | * | * | * | * | * | * |
| Septicemia (A40-A41) | 10.6 | 11.7 | 9.7 | 7.9 | 9.1 | 6.9 | 10.8 | 11.9 | 10.0 | 10.3 | 11.3 | 9.5 | 17.4 | 19.8 | 15.8 |
| Syphilis (A50-A53) | 0.0 | 0.0 | 0.0 | * | * | * | 0.0 | 0.0 | * | 0.0 | * | * | 0.1 | * | * |
| Acute poliomyelitis (A80) | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| Arthropod-borne viral encephalitis (A83-A84,A85.2) | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| Measles (B05) | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| Viral hepatitis (B15-B19) | 1.4 | 1.9 | 0.9 | 2.0 | 2.7 | 1.3 | 1.3 | 1.8 | 0.9 | 1.2 | 1.6 | 0.9 | 1.8 | 2.7 | 1.0 |
| (B20-B24) | 1.6 | 2.4 | 0.8 | 1.7 | 2.7 | 0.7 | 1.6 | 2.4 | 0.9 | 0.7 | 1.2 | 0.3 | 6.9 | 9.9 | 4.4 |
| Malaria (B50-B54) | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 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) | 2.0 | 2.4 | 1.7 | 1.6 | 2.0 | 1.2 | 2.0 | 2.4 | 1.7 | 2.0 | 2.3 | 1.8 | 2.3 | 2.8 | 1.9 |
| Malignant neoplasms (C00-C97) | 152.5 | 181.1 | 131.4 | 108.1 | 129.5 | 93.0 | 156.8 | 186.0 | 135.2 | 157.9 | 186.6 | 136.2 | 178.0 | 219.8 | 151.9 |
| Malignant neoplasms of lip, oral cavity and pharynx (C00-C14) | 2.5 | 4.0 | 1.3 | 1.6 | 2.5 | 0.8 | 2.6 | 4.1 | 1.4 | 2.7 | 4.2 | 1.4 | 2.5 | 4.4 | 1.2 |
| Malignant neoplasm of esophagus (C15) | 3.8 | 6.8 | 1.4 | 2.0 | 3.6 | 0.7 | 4.0 | 7.1 | 1.4 | 4.3 | 7.7 | 1.5 | 3.0 | 5.1 | 1.6 |
| Malignant neoplasm of stomach (C16) | 2.9 | 3.8 | 2.1 | 4.9 | 6.2 | 3.9 | 2.7 | 3.6 | 1.9 | 2.2 | 3.0 | 1.5 | 4.9 | 7.1 | 3.4 |
| Malignant neoplasms of colon, rectum and anus (C18-C21) | 13.7 | 16.2 | 11.7 | 10.9 | 13.7 | 8.7 | 14.0 | 16.5 | 12.0 | 13.7 | 15.9 | 11.8 | 18.4 | 23.0 | 15.1 |
| Malignant neoplasms of liver and intrahepatic bile ducts (C22) | 6.7 | 9.8 | 4.1 | 9.2 | 13.0 | 5.9 | 6.4 | 9.4 | 3.9 | 5.9 | 8.6 | 3.6 | 8.7 | 13.6 | 4.9 |
| Malignant neoplasm of pancreas (C25) | 11.1 | 12.9 | 9.6 | 8.4 | 9.0 | 7.9 | 11.3 | 13.2 | 9.8 | 11.3 | 13.3 | 9.6 | 13.5 | 15.3 | 12.0 |
| Malignant neoplasm of larynx (C32) | 0.9 | 1.6 | 0.3 | 0.7 | 1.3 | 0.2 | 0.9 | 1.7 | 0.4 | 0.9 | 1.6 | 0.3 | 1.6 | 3.0 | 0.6 |

Table I-14. Age-adjusted death rates for 113 selected causes, Enterocolitis due to *Clostridium difficile*, drug-induced causes, alcohol-induced causes, and firearm-related injuries, by Hispanic origin, race for non-Hispanic population, and sex: United States, 2017

[Age-adjusted rates are per 100,000 U.S. standard population; see Technical Notes in this report. Populations used for computing death rates are postcensal estimates based on the 2010 census estimated as of July 1, 2017; see Technical Notes. 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 death certificates and on censuses and surveys; see Technical Notes. Asterisks (*) preceding cause-of-death codes indicate that they are not part of the *International Classification of Diseases, 10th Revision* (ICD-10); see Technical Notes]

| Cause of death (based on ICD-10) | All origins ¹ | | | Hispanic | | | Non-Hispanic ² | | | Non-Hispanic white ³ | | | Non-Hispanic black ³ | | |
|---|--------------------------|------|--------|------------|------|--------|---------------------------|------|--------|---------------------------------|------|--------|---------------------------------|------|--------|
| | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female |
| Malignant neoplasms of trachea, bronchus and lung (C33-C34) | 36.6 | 44.4 | 30.6 | 15.6 | 21.2 | 11.5 | 38.7 | 46.7 | 32.6 | 39.9 | 47.1 | 34.3 | 38.8 | 53.4 | 28.9 |
| Malignant melanoma of skin (C43) | 2.1 | 3.1 | 1.3 | 0.6 | 0.8 | 0.5 | 2.2 | 3.3 | 1.4 | 2.7 | 3.9 | 1.7 | 0.3 | 0.3 | 0.4 |
| Malignant neoplasm of breast (C50) | 11.0 | 0.3 | 19.9 | 7.3 | * | 13.4 | 11.4 | 0.3 | 20.6 | 10.9 | 0.3 | 20.0 | 16.2 | 0.5 | 27.8 |
| Malignant neoplasm of cervix uteri (C53) | 1.2 | ... | 2.2 | 1.3 | ... | 2.5 | 1.1 | ... | 2.2 | 1.0 | ... | 2.0 | 1.9 | ... | 3.5 |
| Malignant neoplasms of corpus uteri and uterus, part unspecified (C54-C55) | 2.8 | ... | 5.0 | 2.3 | ... | 4.3 | 2.8 | ... | 5.1 | 2.5 | ... | 4.6 | 5.3 | ... | 9.1 |
| Malignant neoplasm of ovary (C56) | 3.6 | ... | 6.6 | 2.8 | ... | 5.2 | 3.7 | ... | 6.7 | 3.8 | ... | 7.0 | 3.5 | ... | 6.0 |
| Malignant neoplasm of prostate (C61) | 7.8 | 18.7 | ... | 6.3 | 15.4 | ... | 7.9 | 19.0 | ... | 7.5 | 17.8 | ... | 13.9 | 36.8 | ... |
| Malignant neoplasms of kidney and renal pelvis (C64-C65) | 3.5 | 5.1 | 2.2 | 3.3 | 4.7 | 2.2 | 3.6 | 5.2 | 2.2 | 3.7 | 5.3 | 2.3 | 3.6 | 5.4 | 2.3 |
| Malignant neoplasm of bladder (C67) | 4.3 | 7.2 | 2.1 | 2.4 | 4.0 | 1.4 | 4.4 | 7.5 | 2.2 | 4.7 | 8.0 | 2.2 | 3.5 | 5.2 | 2.4 |
| Malignant neoplasms of meninges, brain and other parts of central nervous system (C70-C72) | 4.4 | 5.3 | 3.6 | 3.1 | 3.6 | 2.6 | 4.6 | 5.5 | 3.7 | 5.1 | 6.1 | 4.2 | 2.7 | 3.2 | 2.3 |
| Malignant neoplasms of lymphoid, hematopoietic and related tissue (C81-C96) | 15.0 | 19.6 | 11.4 | 11.6 | 14.2 | 9.5 | 15.2 | 20.0 | 11.6 | 15.5 | 20.4 | 11.7 | 15.8 | 20.2 | 12.7 |
| Hodgkin disease (C81) | 0.3 | 0.3 | 0.2 | 0.3 | 0.4 | 0.3 | 0.3 | 0.3 | 0.2 | 0.3 | 0.3 | 0.2 | 0.2 | 0.3 | 0.2 |
| Non-Hodgkin lymphoma (C82-C85) | 5.3 | 6.9 | 4.0 | 4.4 | 5.4 | 3.6 | 5.4 | 7.0 | 4.0 | 5.6 | 7.3 | 4.3 | 4.1 | 5.5 | 3.1 |
| Leukemia (C91-C95) | 6.1 | 8.1 | 4.6 | 4.4 | 5.3 | 3.6 | 6.2 | 8.3 | 4.7 | 6.5 | 8.7 | 4.9 | 5.2 | 6.5 | 4.2 |
| Multiple myeloma and immunoproliferative neoplasms (C88,C90) | 3.3 | 4.2 | 2.6 | 2.5 | 3.1 | 2.1 | 3.3 | 4.3 | 2.6 | 3.1 | 4.0 | 2.3 | 6.2 | 7.9 | 5.2 |
| Other and unspecified malignant neoplasms of lymphoid, hematopoietic and related tissue (C96) | 0.0 | 0.0 | 0.0 | * | * | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | * | * | * |
| 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) | 18.6 | 22.3 | 15.8 | 13.8 | 16.0 | 12.0 | 19.1 | 22.9 | 16.2 | 19.4 | 23.4 | 16.3 | 19.9 | 23.2 | 17.7 |
| In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior (D00-D48) | 4.1 | 5.2 | 3.3 | 2.5 | 3.1 | 2.1 | 4.3 | 5.4 | 3.4 | 4.4 | 5.6 | 3.5 | 3.7 | 4.6 | 3.1 |
| Anemias (D50-D64) | 1.4 | 1.5 | 1.3 | 0.9 | 1.0 | 0.9 | 1.5 | 1.6 | 1.4 | 1.3 | 1.4 | 1.2 | 2.8 | 2.9 | 2.7 |
| Diabetes mellitus (E10-E14) | 21.5 | 26.8 | 17.1 | 25.5 | 31.3 | 20.9 | 21.1 | 26.4 | 16.8 | 18.8 | 24.0 | 14.6 | 38.7 | 46.6 | 32.8 |
| Nutritional deficiencies (E40-E64) | 2.0 | 1.8 | 2.1 | 1.4 | 1.4 | 1.4 | 2.0 | 1.8 | 2.2 | 2.0 | 1.8 | 2.2 | 2.7 | 2.9 | 2.5 |
| Malnutrition (E40-E46) | 1.9 | 1.7 | 2.0 | 1.4 | 1.3 | 1.4 | 2.0 | 1.8 | 2.1 | 1.9 | 1.7 | 2.1 | 2.6 | 2.9 | 2.5 |
| Other nutritional deficiencies (E50-E64) | 0.1 | 0.1 | 0.1 | * | * | * | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | * | * |
| Meningitis (G00,G03) | 0.2 | 0.2 | 0.1 | 0.2 | 0.2 | 0.1 | 0.2 | 0.2 | 0.1 | 0.2 | 0.2 | 0.1 | 0.3 | 0.4 | 0.2 |

Table I-14. Age-adjusted death rates for 113 selected causes, Enterocolitis due to *Clostridium difficile*, drug-induced causes, alcohol-induced causes, and firearm-related injuries, by Hispanic origin, race for non-Hispanic population, and sex: United States, 2017

[Age-adjusted rates are per 100,000 U.S. standard population; see Technical Notes in this report. Populations used for computing death rates are postcensal estimates based on the 2010 census estimated as of July 1, 2017; see Technical Notes. 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 death certificates and on censuses and surveys; see Technical Notes. Asterisks (*) preceding cause-of-death codes indicate that they are not part of the *International Classification of Diseases, 10th Revision* (ICD-10); see Technical Notes]

| Cause of death (based on ICD-10) | All origins ¹ | | | Hispanic | | | Non-Hispanic ² | | | Non-Hispanic white ³ | | | Non-Hispanic black ³ | | |
|--|--------------------------|-------|--------|------------|-------|--------|---------------------------|-------|--------|---------------------------------|-------|--------|---------------------------------|-------|--------|
| | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female |
| Parkinson disease (G20-G21) | 8.4 | 12.6 | 5.5 | 6.1 | 8.8 | 4.2 | 8.6 | 12.9 | 5.6 | 9.2 | 13.7 | 6.1 | 4.6 | 7.5 | 3.0 |
| Alzheimer disease (G30) | 31.0 | 24.9 | 34.8 | 24.7 | 19.8 | 27.7 | 31.5 | 25.2 | 35.3 | 32.8 | 26.2 | 36.9 | 28.5 | 22.7 | 31.2 |
| Major cardiovascular diseases (I00-I78) | 218.1 | 264.1 | 180.1 | 158.2 | 191.9 | 130.5 | 223.7 | 270.8 | 184.7 | 220.1 | 266.4 | 181.1 | 285.5 | 351.3 | 236.5 |
| Diseases of heart (I00-I09,I11,I13,I20-I51) | 165.0 | 209.0 | 129.6 | 114.1 | 143.9 | 90.1 | 169.9 | 215.1 | 133.3 | 168.9 | 214.0 | 131.9 | 208.0 | 264.8 | 166.3 |
| Acute rheumatic fever and chronic rheumatic heart diseases (I00-I09) | 0.9 | 0.7 | 1.0 | 0.6 | 0.4 | 0.8 | 0.9 | 0.7 | 1.0 | 0.9 | 0.7 | 1.1 | 0.7 | 0.6 | 0.8 |
| Hypertensive heart disease (I11) | 12.2 | 14.0 | 10.3 | 9.4 | 10.9 | 7.9 | 12.5 | 14.3 | 10.6 | 11.2 | 12.7 | 9.6 | 24.1 | 30.4 | 19.2 |
| Hypertensive heart and renal disease (I13) | 1.9 | 2.1 | 1.6 | 1.6 | 1.8 | 1.4 | 1.9 | 2.2 | 1.6 | 1.6 | 1.9 | 1.5 | 3.8 | 4.7 | 3.1 |
| Ischemic heart diseases (I20-I25) | 92.9 | 126.8 | 66.0 | 70.7 | 93.9 | 52.4 | 94.9 | 129.8 | 67.2 | 95.5 | 131.1 | 66.7 | 107.2 | 142.2 | 81.8 |
| Acute myocardial infarction (I21-I22) | 28.1 | 37.6 | 20.2 | 21.6 | 28.4 | 16.0 | 28.7 | 38.6 | 20.7 | 29.2 | 39.3 | 20.6 | 31.8 | 41.6 | 24.6 |
| Other acute ischemic heart diseases (I24) | 1.1 | 1.4 | 0.9 | 0.6 | 0.7 | 0.4 | 1.2 | 1.5 | 0.9 | 1.1 | 1.4 | 0.9 | 1.8 | 2.3 | 1.5 |
| Other forms of chronic ischemic heart disease (I20,I25) | 63.7 | 87.8 | 44.9 | 48.6 | 64.7 | 35.9 | 65.0 | 89.8 | 45.7 | 65.2 | 90.4 | 45.2 | 73.6 | 98.4 | 55.7 |
| Atherosclerotic cardiovascular disease, so described (I25.0) | 15.9 | 22.2 | 10.6 | 11.6 | 16.7 | 7.2 | 16.3 | 22.6 | 10.9 | 15.8 | 21.8 | 10.5 | 23.5 | 34.0 | 15.6 |
| All other forms of chronic ischemic heart disease (I20,I25.1-I25.9) | 47.7 | 65.6 | 34.3 | 37.0 | 48.0 | 28.7 | 48.6 | 67.1 | 34.7 | 49.4 | 68.7 | 34.7 | 50.2 | 64.5 | 40.1 |
| Other heart diseases (I26-I51) | 57.3 | 65.3 | 50.7 | 31.8 | 36.8 | 27.6 | 59.7 | 68.1 | 52.9 | 59.7 | 67.6 | 53.1 | 72.2 | 86.9 | 61.4 |
| Acute and subacute endocarditis (I33) | 0.4 | 0.5 | 0.3 | 0.3 | 0.4 | 0.2 | 0.4 | 0.6 | 0.3 | 0.5 | 0.6 | 0.3 | 0.5 | 0.6 | 0.4 |
| Diseases of pericardium and acute myocarditis (I30-I31,I40) | 0.3 | 0.3 | 0.2 | 0.2 | 0.2 | 0.2 | 0.3 | 0.3 | 0.2 | 0.3 | 0.3 | 0.2 | 0.4 | 0.4 | 0.3 |
| Heart failure (I50) | 20.4 | 23.3 | 18.3 | 11.8 | 13.5 | 10.4 | 21.2 | 24.2 | 18.9 | 21.3 | 24.3 | 19.1 | 24.6 | 29.0 | 21.5 |
| All other forms of heart disease (I26-I28,I34-I38,I42-I49,I51) | 36.2 | 41.1 | 31.9 | 19.6 | 22.8 | 16.9 | 37.8 | 43.0 | 33.4 | 37.7 | 42.5 | 33.4 | 46.8 | 56.9 | 39.3 |
| Essential hypertension and hypertensive renal disease (I10,I12,I15) | 9.0 | 9.5 | 8.4 | 8.3 | 9.1 | 7.5 | 9.1 | 9.5 | 8.5 | 8.0 | 8.4 | 7.6 | 17.1 | 19.1 | 15.5 |
| Cerebrovascular diseases (I60-I69) | 37.6 | 38.0 | 36.6 | 31.8 | 34.0 | 29.6 | 38.0 | 38.2 | 37.2 | 36.4 | 36.0 | 36.0 | 52.7 | 57.9 | 48.3 |
| Atherosclerosis (I70) | 1.4 | 1.5 | 1.3 | 0.9 | 1.1 | 0.8 | 1.4 | 1.5 | 1.4 | 1.5 | 1.6 | 1.4 | 1.3 | 1.5 | 1.2 |
| Other diseases of circulatory system (I71-I78) | 5.1 | 6.2 | 4.1 | 3.0 | 3.7 | 2.5 | 5.3 | 6.4 | 4.3 | 5.2 | 6.4 | 4.2 | 6.4 | 8.1 | 5.1 |
| Aortic aneurysm and dissection (I71) | 2.6 | 3.4 | 1.9 | 1.2 | 1.8 | 0.7 | 2.7 | 3.6 | 2.0 | 2.8 | 3.6 | 2.0 | 2.7 | 3.7 | 1.9 |
| Other diseases of arteries, arterioles and capillaries (I72-I78) | 2.5 | 2.7 | 2.3 | 1.8 | 1.9 | 1.7 | 2.5 | 2.8 | 2.3 | 2.5 | 2.7 | 2.2 | 3.7 | 4.4 | 3.2 |
| Other disorders of circulatory system (I80-I99) | 1.3 | 1.4 | 1.1 | 0.8 | 0.9 | 0.6 | 1.3 | 1.5 | 1.2 | 1.3 | 1.4 | 1.1 | 2.3 | 2.6 | 2.1 |
| Influenza and pneumonia (J09-J18) | 14.3 | 16.5 | 12.7 | 11.3 | 13.1 | 9.9 | 14.6 | 16.8 | 13.0 | 14.4 | 16.5 | 13.0 | 15.2 | 18.4 | 13.1 |
| Influenza (J09-J11) | 1.7 | 1.8 | 1.6 | 1.2 | 1.2 | 1.2 | 1.7 | 1.8 | 1.6 | 1.8 | 1.9 | 1.7 | 1.2 | 1.4 | 1.1 |

Table I-14. Age-adjusted death rates for 113 selected causes, Enterocolitis due to *Clostridium difficile*, drug-induced causes, alcohol-induced causes, and firearm-related injuries, by Hispanic origin, race for non-Hispanic population, and sex: United States, 2017

[Age-adjusted rates are per 100,000 U.S. standard population; see Technical Notes in this report. Populations used for computing death rates are postcensal estimates based on the 2010 census estimated as of July 1, 2017; see Technical Notes. 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 death certificates and on censuses and surveys; see Technical Notes. Asterisks (*) preceding cause-of-death codes indicate that they are not part of the *International Classification of Diseases, 10th Revision* (ICD-10); see Technical Notes]

| Cause of death (based on ICD-10) | All origins ¹ | | | Hispanic | | | Non-Hispanic ² | | | Non-Hispanic white ³ | | | Non-Hispanic black ³ | | |
|--|--------------------------|------|--------|------------|------|--------|---------------------------|------|--------|---------------------------------|------|--------|---------------------------------|------|--------|
| | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female |
| Pneumonia (J12-J18) | 12.6 | 14.7 | 11.1 | 10.0 | 11.8 | 8.7 | 12.9 | 15.0 | 11.3 | 12.7 | 14.6 | 11.2 | 14.0 | 17.1 | 12.0 |
| Other acute lower respiratory infections (J20-J22,U04) | 0.1 | 0.1 | 0.1 | 0.0 | * | * | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | * |
| Acute bronchitis and bronchiolitis (J20-J21) | 0.1 | 0.1 | 0.1 | 0.0 | * | * | 0.1 | 0.1 | 0.1 | 0.1 | 0.0 | 0.1 | 0.1 | 0.1 | * |
| Other and unspecified acute lower respiratory infections (J22,U04) | 0.0 | 0.0 | 0.0 | * | * | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | * | * | * |
| Chronic lower respiratory diseases (J40-J47) | 40.9 | 45.0 | 38.1 | 17.2 | 20.6 | 14.9 | 43.1 | 47.1 | 40.4 | 46.4 | 49.7 | 44.2 | 30.2 | 38.5 | 25.2 |
| Bronchitis, chronic and unspecified (J40-J42) | 0.1 | 0.1 | 0.1 | 0.1 | * | * | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | * | 0.1 |
| Emphysema (J43) | 1.8 | 2.2 | 1.5 | 0.7 | 1.0 | 0.6 | 1.9 | 2.2 | 1.6 | 2.1 | 2.4 | 1.8 | 1.2 | 1.8 | 0.8 |
| Asthma (J45-J46) | 1.0 | 0.8 | 1.1 | 0.7 | 0.6 | 0.9 | 1.0 | 0.9 | 1.1 | 0.8 | 0.6 | 0.9 | 2.3 | 2.4 | 2.2 |
| Other chronic lower respiratory diseases (J44,J47) | 38.0 | 41.8 | 35.4 | 15.6 | 19.0 | 13.4 | 40.0 | 43.8 | 37.4 | 43.4 | 46.5 | 41.3 | 26.7 | 34.3 | 22.1 |
| Pneumoconioses and chemical effects (J60-J66,J68) | 0.2 | 0.4 | 0.0 | 0.1 | 0.2 | * | 0.2 | 0.4 | 0.0 | 0.2 | 0.5 | 0.0 | 0.1 | 0.2 | * |
| Pneumonitis due to solids and liquids (J69) | 5.1 | 7.1 | 3.8 | 3.1 | 4.2 | 2.4 | 5.3 | 7.4 | 3.9 | 5.4 | 7.5 | 4.0 | 5.4 | 7.4 | 4.2 |
| Other diseases of respiratory system (J00-J06,J30-J39,J67,J70-J98) | 10.8 | 12.8 | 9.3 | 8.8 | 10.6 | 7.4 | 11.0 | 13.0 | 9.5 | 11.2 | 13.4 | 9.6 | 10.2 | 11.6 | 9.3 |
| Peptic ulcer (K25-K28) | 0.9 | 1.0 | 0.7 | 0.6 | 0.8 | 0.4 | 0.9 | 1.0 | 0.8 | 0.9 | 1.0 | 0.8 | 0.8 | 1.0 | 0.6 |
| Diseases of appendix (K35-K38) | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | * | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.2 | 0.2 | 0.1 |
| Hernia (K40-K46) | 0.5 | 0.6 | 0.5 | 0.4 | 0.4 | 0.4 | 0.6 | 0.6 | 0.5 | 0.6 | 0.6 | 0.6 | 0.4 | 0.5 | 0.4 |
| Chronic liver disease and cirrhosis (K70,K73-K74) | 10.9 | 14.5 | 7.6 | 14.3 | 20.4 | 8.7 | 10.5 | 13.7 | 7.6 | 11.3 | 14.6 | 8.2 | 7.5 | 10.4 | 5.2 |
| Alcoholic liver disease (K70) | 5.9 | 8.5 | 3.6 | 7.3 | 12.3 | 2.7 | 5.7 | 7.9 | 3.8 | 6.2 | 8.5 | 4.1 | 3.7 | 5.4 | 2.4 |
| Other chronic liver disease and cirrhosis (K73-K74) | 5.0 | 6.0 | 4.0 | 6.9 | 8.1 | 5.9 | 4.7 | 5.7 | 3.9 | 5.0 | 6.0 | 4.1 | 3.8 | 5.1 | 2.7 |
| Cholelithiasis and other disorders of gallbladder (K80-K82) | 1.0 | 1.2 | 0.8 | 1.2 | 1.4 | 1.0 | 1.0 | 1.2 | 0.8 | 0.9 | 1.1 | 0.8 | 0.9 | 1.0 | 0.8 |
| Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27) | 13.0 | 15.7 | 11.1 | 11.3 | 13.1 | 9.9 | 13.2 | 15.9 | 11.2 | 11.7 | 14.4 | 9.8 | 25.8 | 30.6 | 22.6 |
| Acute and rapidly progressive nephritic and nephrotic syndrome (N00-N01,N04) | 0.2 | 0.2 | 0.1 | 0.1 | 0.1 | * | 0.2 | 0.2 | 0.1 | 0.2 | 0.2 | 0.1 | 0.2 | 0.3 | 0.2 |
| Chronic glomerulonephritis, nephritis and nephropathy not specified as acute or chronic, and renal sclerosis unspecified (N02-N03,N05-N07,N26) | 0.1 | 0.1 | 0.1 | 0.0 | * | * | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.0 | 0.1 | * | * |
| Renal failure (N17-N19) | 12.8 | 15.4 | 10.9 | 11.1 | 13.0 | 9.7 | 12.9 | 15.6 | 11.0 | 11.5 | 14.2 | 9.6 | 25.4 | 30.2 | 22.3 |
| Other disorders of kidney (N25,N27) | 0.0 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| Infections of kidney (N10-N12,N13.6,N15.1) | 0.2 | 0.2 | 0.3 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.3 | 0.2 | 0.2 | 0.2 | 0.2 | 0.1 | 0.2 |
| Hyperplasia of prostate (N40) | 0.1 | 0.4 | ... | 0.1 | 0.3 | ... | 0.2 | 0.4 | ... | 0.2 | 0.4 | ... | 0.1 | 0.4 | ... |

Table I-14. Age-adjusted death rates for 113 selected causes, Enterocolitis due to *Clostridium difficile*, drug-induced causes, alcohol-induced causes, and firearm-related injuries, by Hispanic origin, race for non-Hispanic population, and sex: United States, 2017

[Age-adjusted rates are per 100,000 U.S. standard population; see Technical Notes in this report. Populations used for computing death rates are postcensal estimates based on the 2010 census estimated as of July 1, 2017; see Technical Notes. 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 death certificates and on censuses and surveys; see Technical Notes. Asterisks (*) preceding cause-of-death codes indicate that they are not part of the *International Classification of Diseases, 10th Revision (ICD-10)*; see Technical Notes]

| Cause of death (based on ICD-10) | All origins ¹ | | | Hispanic | | | Non-Hispanic ² | | | Non-Hispanic white ³ | | | Non-Hispanic black ³ | | |
|--|--------------------------|------|--------|------------|------|--------|---------------------------|------|--------|---------------------------------|------|--------|---------------------------------|-------|--------|
| | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female |
| Inflammatory diseases of female pelvic organs (N70-N76) | 0.0 | ... | 0.1 | * | ... | * | 0.0 | ... | 0.1 | 0.0 | ... | 0.1 | 0.1 | ... | 0.1 |
| Pregnancy, childbirth and the puerperium (O00-O99) | 0.4 | ... | 0.8 | 0.3 | ... | 0.7 | 0.4 | ... | 0.8 | 0.3 | ... | 0.6 | 0.9 | ... | 1.8 |
| Pregnancy with abortive outcome (O00-O07) | * | ... | * | * | ... | * | * | ... | * | * | ... | * | * | ... | * |
| Other complications of pregnancy, childbirth and the puerperium (O10-O99) | 0.4 | ... | 0.8 | 0.3 | ... | 0.7 | 0.4 | ... | 0.8 | 0.3 | ... | 0.6 | 0.9 | ... | 1.7 |
| Certain conditions originating in the perinatal period (P00-P96) | 3.9 | 4.3 | 3.4 | 3.2 | 3.5 | 2.9 | 4.1 | 4.5 | 3.6 | 2.9 | 3.2 | 2.5 | 8.3 | 9.3 | 7.3 |
| Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99) | 3.1 | 3.3 | 2.9 | 2.6 | 2.7 | 2.6 | 3.2 | 3.4 | 3.0 | 3.1 | 3.4 | 2.9 | 3.7 | 3.9 | 3.5 |
| Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified (R00-R99) | 8.8 | 9.5 | 8.0 | 5.0 | 6.2 | 3.9 | 9.3 | 10.0 | 8.5 | 9.1 | 9.7 | 8.5 | 11.6 | 13.1 | 10.1 |
| All other diseases (residual) | 86.3 | 87.2 | 83.9 | 55.2 | 57.5 | 52.4 | 89.3 | 90.1 | 87.0 | 90.6 | 90.9 | 88.7 | 99.8 | 107.1 | 93.7 |
| Accidents (unintentional injuries) (V01-X59, Y85-Y86) | 49.4 | 67.8 | 32.0 | 32.5 | 48.3 | 17.2 | 52.3 | 71.2 | 34.5 | 56.2 | 75.3 | 37.8 | 47.6 | 71.6 | 27.1 |
| Transport accidents (V01-V99, Y85) | 12.8 | 18.8 | 7.1 | 11.4 | 17.1 | 5.7 | 13.0 | 19.0 | 7.4 | 13.1 | 18.9 | 7.6 | 15.0 | 23.8 | 7.4 |
| 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) | 12.0 | 17.5 | 6.7 | 10.8 | 16.1 | 5.5 | 12.2 | 17.7 | 7.0 | 12.3 | 17.5 | 7.2 | 14.3 | 22.5 | 7.1 |
| 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) | 0.3 | 0.5 | 0.2 | 0.3 | 0.5 | 0.1 | 0.3 | 0.5 | 0.2 | 0.3 | 0.5 | 0.2 | 0.4 | 0.7 | 0.1 |
| Water, air and space, and other and unspecified transport accidents and their sequelae (V90-V99, Y85) | 0.5 | 0.8 | 0.2 | 0.3 | 0.5 | 0.1 | 0.5 | 0.9 | 0.2 | 0.6 | 0.9 | 0.2 | 0.3 | 0.6 | 0.1 |
| Nontransport accidents (W00-X59, Y86) | 36.6 | 49.1 | 24.9 | 21.2 | 31.2 | 11.4 | 39.3 | 52.2 | 27.1 | 43.1 | 56.4 | 30.2 | 32.5 | 47.8 | 19.7 |
| Falls (W00-W19) | 9.4 | 11.5 | 7.7 | 5.9 | 7.9 | 4.2 | 9.6 | 11.7 | 8.0 | 10.5 | 12.6 | 8.8 | 4.2 | 5.9 | 3.0 |
| Accidental discharge of firearms (W32-W34) | 0.2 | 0.3 | 0.0 | 0.1 | 0.1 | * | 0.2 | 0.3 | 0.1 | 0.2 | 0.3 | 0.1 | 0.3 | 0.5 | * |
| Accidental drowning and submersion (W65-W74) | 1.1 | 1.7 | 0.5 | 0.8 | 1.4 | 0.3 | 1.2 | 1.8 | 0.6 | 1.1 | 1.6 | 0.6 | 1.4 | 2.2 | 0.6 |
| Accidental exposure to smoke, fire and flames (X00-X09) | 0.8 | 1.0 | 0.6 | 0.4 | 0.7 | 0.2 | 0.8 | 1.0 | 0.7 | 0.8 | 1.0 | 0.6 | 1.3 | 1.7 | 1.0 |
| Accidental poisoning and exposure to noxious substances (X40-X49) | 20.1 | 27.9 | 12.4 | 10.7 | 16.6 | 4.7 | 22.1 | 30.4 | 14.0 | 25.2 | 33.9 | 16.3 | 19.3 | 29.3 | 10.6 |

Table I-14. Age-adjusted death rates for 113 selected causes, Enterocolitis due to *Clostridium difficile*, drug-induced causes, alcohol-induced causes, and firearm-related injuries, by Hispanic origin, race for non-Hispanic population, and sex: United States, 2017

[Age-adjusted rates are per 100,000 U.S. standard population; see Technical Notes in this report. Populations used for computing death rates are postcensal estimates based on the 2010 census estimated as of July 1, 2017; see Technical Notes. 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 death certificates and on censuses and surveys; see Technical Notes. Asterisks (*) preceding cause-of-death codes indicate that they are not part of the *International Classification of Diseases, 10th Revision* (ICD-10); see Technical Notes]

| Cause of death (based on ICD-10) | All origins ¹ | | | Hispanic | | | Non-Hispanic ² | | | Non-Hispanic white ³ | | | Non-Hispanic black ³ | | |
|---|--------------------------|------|--------|------------|------|--------|---------------------------|------|--------|---------------------------------|------|--------|---------------------------------|------|--------|
| | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female |
| Other and unspecified nontransport accidents and their sequelae (W20-W31,W35-W64,W75-W99,X10-X39,X50-X59,Y86) | 5.1 | 6.7 | 3.6 | 3.2 | 4.6 | 1.9 | 5.3 | 7.0 | 3.9 | 5.3 | 7.0 | 3.9 | 6.1 | 8.2 | 4.5 |
| Intentional self-harm (suicide) (*U03,X60-X84,Y87.0) | 14.0 | 22.4 | 6.1 | 6.9 | 11.2 | 2.6 | 15.4 | 24.5 | 6.8 | 17.8 | 28.2 | 7.9 | 6.9 | 11.4 | 2.8 |
| Intentional self-harm (suicide) by discharge of firearms (X72-X74) | 6.9 | 12.4 | 1.9 | 2.5 | 4.6 | 0.6 | 7.7 | 13.9 | 2.1 | 9.1 | 16.0 | 2.6 | 3.4 | 6.3 | 0.7 |
| Intentional self-harm (suicide) by other and unspecified means and their sequelae (*U03,X60-X71,X75-X84,Y87.0) | 7.1 | 10.0 | 4.2 | 4.4 | 6.7 | 2.0 | 7.6 | 10.7 | 4.6 | 8.7 | 12.2 | 5.3 | 3.5 | 5.0 | 2.1 |
| Assault (homicide) (*U01-*U02,X85-Y09,Y87.1) | 6.2 | 9.8 | 2.5 | 5.2 | 8.2 | 2.0 | 6.4 | 10.2 | 2.6 | 2.9 | 3.9 | 1.9 | 22.7 | 40.6 | 5.7 |
| Assault (homicide) by discharge of firearms (*U01.4,X93-X95) | 4.6 | 7.8 | 1.4 | 3.6 | 6.0 | 1.1 | 4.9 | 8.2 | 1.5 | 1.8 | 2.6 | 1.1 | 19.1 | 35.2 | 3.7 |
| 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) | 1.5 | 2.0 | 1.0 | 1.6 | 2.3 | 0.9 | 1.5 | 2.0 | 1.1 | 1.1 | 1.3 | 0.9 | 3.6 | 5.4 | 2.0 |
| Legal intervention (Y35,Y89.0) | 0.2 | 0.4 | 0.0 | 0.2 | 0.4 | * | 0.2 | 0.4 | 0.0 | 0.2 | 0.3 | 0.0 | 0.4 | 0.7 | * |
| Events of undetermined intent (Y10-Y34,Y87.2,Y89.9) | 1.8 | 2.3 | 1.2 | 0.7 | 1.1 | 0.3 | 2.0 | 2.6 | 1.4 | 2.1 | 2.6 | 1.5 | 2.4 | 3.6 | 1.3 |
| Discharge of firearms, undetermined intent (Y22-Y24) | 0.1 | 0.2 | 0.0 | 0.0 | 0.1 | * | 0.1 | 0.2 | 0.0 | 0.1 | 0.2 | 0.0 | 0.2 | 0.3 | * |
| Other and unspecified events of undetermined intent and their sequelae (Y10-Y21,Y25-Y34,Y87.2,Y89.9) | 1.7 | 2.2 | 1.2 | 0.7 | 1.0 | 0.3 | 1.9 | 2.4 | 1.4 | 2.0 | 2.5 | 1.5 | 2.2 | 3.3 | 1.2 |
| Operations of war and their sequelae (Y36,Y89.1) | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| Complications of medical and surgical care (Y40-Y84,Y88) | 1.2 | 1.4 | 1.0 | 0.8 | 0.9 | 0.7 | 1.2 | 1.4 | 1.1 | 1.2 | 1.4 | 1.1 | 1.6 | 2.0 | 1.4 |
| Enterocolitis due to <i>Clostridium difficile</i> (A04.7) ⁴ | 1.6 | 1.5 | 1.6 | 1.2 | 1.3 | 1.2 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.7 | 1.5 | 1.5 | 1.5 |
| Drug-induced deaths ^{5,6} | 22.8 | 30.5 | 15.2 | 11.2 | 16.8 | 5.5 | 25.3 | 33.6 | 17.1 | 28.8 | 37.4 | 20.1 | 21.9 | 32.7 | 12.5 |
| Alcohol-induced deaths ^{5,7} | 9.6 | 14.3 | 5.3 | 9.9 | 16.9 | 3.5 | 9.6 | 13.9 | 5.6 | 10.3 | 14.8 | 6.1 | 6.9 | 10.9 | 3.6 |
| Firearm-related injuries ^{5,8} | 12.0 | 20.9 | 3.4 | 6.5 | 11.1 | 1.8 | 13.1 | 22.8 | 3.8 | 11.4 | 19.3 | 3.8 | 23.2 | 42.8 | 4.5 |

Table I-14. Age-adjusted death rates for 113 selected causes, Enterocolitis due to *Clostridium difficile*, drug-induced causes, alcohol-induced causes, and firearm-related injuries, by Hispanic origin, race for non-Hispanic population, and sex: United States, 2017

[Age-adjusted rates are per 100,000 U.S. standard population; see Technical Notes in this report. Populations used for computing death rates are postcensal estimates based on the 2010 census estimated as of July 1, 2017; see Technical Notes. 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 death certificates and on censuses and surveys; see Technical Notes. Asterisks (*) preceding cause-of-death codes indicate that they are not part of the *International Classification of Diseases, 10th Revision* (ICD-10); see Technical Notes]

| Cause of death (based on ICD-10) | All origins ¹ | | | Hispanic | | | Non-Hispanic ² | | | Non-Hispanic white ³ | | | Non-Hispanic black ³ | | |
|----------------------------------|--------------------------|------|--------|------------|------|--------|---------------------------|------|--------|---------------------------------|------|--------|---------------------------------|------|--------|
| | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female |

0.0 Quantity more than zero but less than 0.05.

* Rate does not meet NCHS standards of reliability; see Technical Notes.

... Category not applicable.

¹Figures for origin not stated are included in "All origins" but not distributed among specified origins.

²Includes races other than white and black.

³Race categories are consistent with 1977 Office of Management and Budget (OMB) standards. Multiple-race data were reported by 50 states and the District of Columbia in 2017; see Technical Notes. Multiple-race data for these reporting areas were bridged to the single-race categories of 1977 OMB standards for comparability with other reporting areas; see Technical Notes.

⁴Included in "Certain other intestinal infections (A04,A07-A09)" shown above. Beginning with data year 2006, Enterocolitis due to *Clostridium difficile* (A04.7) is shown separately at the bottom of tables showing 113 selected causes and is included in the list of rankable causes; see Technical Notes.

⁵Included in selected categories above.

⁶Includes ICD-10 codes D52.1, D59.0, D59.2, D61.1, D64.2, E06.4, E16.0, E23.1, E24.2, E27.3, E66.1, F11.1-F11.5, F11.7-F11.9, F12.1-F12.5, F12.7-F12.9, F13.1-F13.5, F13.7-F13.9, F14.1-F14.5, F14.7-F14.9, F15.1-F15.5, F15.7-F15.9, F16.1-F16.5, F16.7-F16.9, F17.3-F17.5, F17.7-F17.9, F18.1-F18.5, F18.7-F18.9, F19.1-F19.5, F19.7-F19.9, G21.1,G24.0, G25.1,G25.4, G25.6,G44.4, G62.0,G72.0, I95.2, J70.2-J70.4, K85.3, L10.5, L27.0-L27.1, M10.2, M32.0, M80.4, M81.4, M83.5, M87.1, R50.2, R78.1-R78.5, X40-X44, X60-X64, X85, and Y10-Y14.

⁷Includes ICD-10 codes E24.4, F10, G31.2, G62.1, G72.1, I42.6, K29.2, K70, K85.2, K86.0, R78.0, X45, X65, and Y15.

⁸Includes ICD-10 codes *U01.4, W32-W34, X72-X74, X93-X95, Y22-Y24, and Y35.0.

SOURCE: NCHS, National Vital Statistics System, Mortality.

Table I-15. Number of deaths, death rates, and age-adjusted death rates for injury deaths, by mechanism and intent of death: United States, 2017

[Totals for selected causes of death differ from those shown in other tables that use standard mortality tabulation lists; see Technical Notes in this report. Rates are per 100,000 population; age-adjusted rates are per 100,000 U.S. standard population; see Technical Notes. Populations used for computing death rates are postcensal estimates based on the 2010 census estimated as of July 1, 2017; see Technical Notes. Figure(s) in brackets [] applies to the code or range of codes preceding it. Asterisks (*) preceding cause-of-death codes indicate they are not part of the *International Classification of Diseases, 10th Revision* (ICD-10); see Technical Notes]

| Mechanism and intent of death (based on ICD-10) | Number | Rate | Age-adjusted rate ¹ |
|---|---------|------|--------------------------------|
| All injury (*U01-*U03,V01-Y36,Y85-Y87,Y89) | 243,039 | 74.6 | 71.5 |
| Unintentional (V01-X59,Y85-Y86) | 169,936 | 52.2 | 49.4 |
| Suicide (*U03,X60-X84,Y87.0) | 47,173 | 14.5 | 14.0 |
| Homicide (*U01-*U02,X85-Y09,Y87.1) | 19,510 | 6.0 | 6.2 |
| Undetermined (Y10-Y34,Y87.2,Y89.9) | 5,799 | 1.8 | 1.8 |
| Legal intervention/war (Y35-Y36,Y89[.0,.1]) | 621 | 0.2 | 0.2 |
| Cut/pierce (W25-W29,W45-W46,X78,X99,Y28,Y35.4) | 2,758 | 0.8 | 0.8 |
| Unintentional (W25-W29,W45-W46) | 152 | 0.0 | 0.0 |
| Suicide (X78) | 846 | 0.3 | 0.2 |
| Homicide (X99) | 1,721 | 0.5 | 0.5 |
| Undetermined (Y28) | 39 | 0.0 | 0.0 |
| Legal intervention/war (Y35.4) | — | * | * |
| Drowning (W65-W74,X71,X92,Y21) | 4,508 | 1.4 | 1.4 |
| Unintentional (W65-W74) | 3,709 | 1.1 | 1.1 |
| Suicide (X71) | 479 | 0.1 | 0.1 |
| Homicide (X92) | 35 | 0.0 | 0.0 |
| Undetermined (Y21) | 285 | 0.1 | 0.1 |
| Fall (W00-W19,X80,Y01,Y30) | 37,587 | 11.5 | 9.8 |
| Unintentional (W00-W19) | 36,338 | 11.2 | 9.4 |
| Suicide (X80) | 1,124 | 0.3 | 0.3 |
| Homicide (Y01) | 6 | * | * |
| Undetermined (Y30) | 119 | 0.0 | 0.0 |
| Fire/hot object or substance (*U01.3,X00-X19,X76-X77,X97-X98,Y26-Y27,Y36.3) ² | 3,398 | 1.0 | 0.9 |
| Unintentional (X00-X19) | 2,902 | 0.9 | 0.8 |
| Suicide (X76-X77) | 196 | 0.1 | 0.1 |
| Homicide (*U01.3,X97-X98) | 133 | 0.0 | 0.0 |
| Undetermined (Y26-Y27) | 167 | 0.1 | 0.0 |
| Legal intervention/war (Y36.3) | — | * | * |
| Fire/flare (X00-X09,X76,X97,Y26) | 3,304 | 1.0 | 0.9 |
| Unintentional (X00-X09) | 2,812 | 0.9 | 0.8 |
| Suicide (X76) | 196 | 0.1 | 0.1 |
| Homicide (X97) | 129 | 0.0 | 0.0 |
| Undetermined (Y26) | 167 | 0.1 | 0.0 |
| Hot object/substance (X10-X19,X77,X98,Y27) | 94 | 0.0 | 0.0 |
| Unintentional (X10-X19) | 90 | 0.0 | 0.0 |
| Suicide (X77) | — | * | * |
| Homicide (X98) | 4 | * | * |
| Undetermined (Y27) | — | * | * |
| Firearm (*U01.4,W32-W34,X72-X74,X93-X95,Y22-Y24,Y35.0) | 39,773 | 12.2 | 12.0 |
| Unintentional (W32-W34) | 486 | 0.1 | 0.2 |
| Suicide (X72-X74) | 23,854 | 7.3 | 6.9 |
| Homicide (*U01.4,X93-X95) | 14,542 | 4.5 | 4.6 |
| Undetermined (Y22-Y24) | 338 | 0.1 | 0.1 |
| Legal intervention/war (Y35.0) | 553 | 0.2 | 0.2 |
| Machinery (W24,W30-W31) ³ | 572 | 0.2 | 0.2 |
| All transport (*U01.1,V01-V99,X82,Y03,Y32,Y36.1) | 42,392 | 13.0 | 12.6 |

Table I-15. Number of deaths, death rates, and age-adjusted death rates for injury deaths, by mechanism and intent of death: United States, 2017

[Totals for selected causes of death differ from those shown in other tables that use standard mortality tabulation lists; see Technical Notes in this report. Rates are per 100,000 population; age-adjusted rates are per 100,000 U.S. standard population; see Technical Notes. Populations used for computing death rates are postcensal estimates based on the 2010 census estimated as of July 1, 2017; see Technical Notes. Figure(s) in brackets [] applies to the code or range of codes preceding it. Asterisks (*) preceding cause-of-death codes indicate they are not part of the *International Classification of Diseases, 10th Revision* (ICD-10); see Technical Notes]

| Mechanism and intent of death (based on ICD-10) | Number | Rate | Age-adjusted rate ¹ |
|--|--------|------|--------------------------------|
| Unintentional (V01-V99) | 42,159 | 12.9 | 12.5 |
| Suicide (X82) | 171 | 0.1 | 0.1 |
| Homicide (*U01.1,Y03) | 50 | 0.0 | 0.0 |
| Undetermined (Y32) | 12 | * | * |
| Legal intervention/war (Y36.1) | — | * | * |
| Motor vehicle traffic (V02-V04[.1,.9],V09.2,V12-V14[.3-.9],V19[.4-.6],V20-V28[.3-.9],V29-V79[.4-.9],V80[.3-.5],V81.1,V82.1,V83-V86[.0-.3],V87[.0-.8],V89.2) ³ | 38,659 | 11.9 | 11.5 |
| Occupant (V30-V79[.4-.9],V83-V86[.0-.3]) ³ | 9,463 | 2.9 | 2.8 |
| Motorcyclist (V20-V28[.3-.9],V29[.4-.9]) ³ | 4,777 | 1.5 | 1.4 |
| Pedal cyclist (V12-V14[.3-.9],V19[.4-.6]) ³ | 679 | 0.2 | 0.2 |
| Pedestrian (V02-V04[.1,.9],V09.2) ³ | 6,480 | 2.0 | 1.9 |
| Other (V80[.3-.5],V81.1,V82.1) ³ | 15 | * | * |
| Unspecified (V87[.0-.8],V89.2) ³ | 17,245 | 5.3 | 5.2 |
| Pedal cyclist, other (V10-V11,V12-V14[.0-.2],V15-V18,V19[.0-.3,.8,.9]) ³ | 345 | 0.1 | 0.1 |
| Pedestrian, other (V01,V02-V04[.0],V05,V06,V09[.0,.1,.3,.9]) ³ | 970 | 0.3 | 0.3 |
| Other land transport (V20-V28[.0-.2],V29-V79[.0-.3],V80[.0-.2,.6-.9],V81-V82[.0,.2-.9],V83-V86[.4-.9],V87.9,V88[.0-.9],V89[.0,.1,.3,.9],X82,Y03,Y32) | 1,565 | 0.5 | 0.5 |
| Unintentional (V20-V28[.0-.2],V29-V79[.0-.3],V80[.0-.2,.6-.9],V81-V82[.0,.2-.9],V83-V86[.4-.9],V87.9,V88[.0-.9],V89[.0,.1,.3,.9]) | 1,332 | 0.4 | 0.4 |
| Suicide (X82) | 171 | 0.1 | 0.1 |
| Homicide (Y03) | 50 | 0.0 | 0.0 |
| Undetermined (Y32) | 12 | * | * |
| Other transport (*U01.1,V90-V99,Y36.1) | 853 | 0.3 | 0.2 |
| Unintentional (V90-V99) | 853 | 0.3 | 0.2 |
| Homicide (*U01.1) | — | * | * |
| Legal intervention/war (Y36.1) | — | * | * |
| Natural/environmental (W42-W43,W53-W64,W92-W99,X20-X39,X51-X57) ³ | 1,750 | 0.5 | 0.5 |
| Overexertion (X50) ³ | 11 | * | * |
| Poisoning (*U01[.6-.7],X40-X49,X60-X69,X85-X90,Y10-Y19,Y35.2) | 75,354 | 23.1 | 23.2 |
| Unintentional (X40-X49) | 64,795 | 19.9 | 20.1 |
| Suicide (X60-X69) | 6,554 | 2.0 | 1.9 |
| Homicide (*U01[.6-.7],X85-X90) | 151 | 0.0 | 0.0 |
| Undetermined (Y10-Y19) | 3,854 | 1.2 | 1.2 |
| Legal intervention/war (Y35.2) | — | * | * |
| Struck by or against (W20-W22,W50-W52,X79,Y00,Y04,Y29,Y35.3) | 1,035 | 0.3 | 0.3 |
| Unintentional (W20-W22,W50-W52) | 819 | 0.3 | 0.2 |
| Suicide (X79) | 1 | * | * |
| Homicide (Y00,Y04) | 208 | 0.1 | 0.1 |
| Undetermined (Y29) | 7 | * | * |
| Legal intervention/war (Y35.3) | — | * | * |
| Suffocation (W75-W84,X70,X91,Y20) | 20,689 | 6.4 | 6.2 |
| Unintentional (W75-W84) | 6,946 | 2.1 | 1.9 |
| Suicide (X70) | 13,075 | 4.0 | 4.1 |
| Homicide (X91) | 512 | 0.2 | 0.2 |

Table I-15. Number of deaths, death rates, and age-adjusted death rates for injury deaths, by mechanism and intent of death: United States, 2017

[Totals for selected causes of death differ from those shown in other tables that use standard mortality tabulation lists; see Technical Notes in this report. Rates are per 100,000 population; age-adjusted rates are per 100,000 U.S. standard population; see Technical Notes. Populations used for computing death rates are postcensal estimates based on the 2010 census estimated as of July 1, 2017; see Technical Notes. Figure(s) in brackets [] applies to the code or range of codes preceding it. Asterisks (*) preceding cause-of-death codes indicate they are not part of the *International Classification of Diseases, 10th Revision* (ICD-10); see Technical Notes]

| Mechanism and intent of death (based on ICD-10) | Number | Rate | Age-adjusted rate ¹ |
|--|--------|------|--------------------------------|
| Undetermined (Y20) | 156 | 0.0 | 0.0 |
| Other specified, classifiable (*U01[.0,.2,.5],*U03.0,W23,W35-W41,W44,W49,W85-W91,X75, X81,X96,Y02,Y05-Y07,Y25,Y31,Y35[.1,.5],Y36[.0,.2,.4-.8],Y85) | 2,315 | 0.7 | 0.7 |
| Unintentional (W23,W35-W41,W44,W49,W85-W91,Y85) | 1,440 | 0.4 | 0.4 |
| Suicide (*U03.0,X75,X81) | 654 | 0.2 | 0.2 |
| Homicide (*U01[.0,.2,.5],X96,Y02,Y05-Y07) | 159 | 0.0 | 0.0 |
| Undetermined (Y25,Y31) | 38 | 0.0 | 0.0 |
| Legal intervention/war (Y35[.1,.5],Y36[.0,.2,.4-.8]) | 24 | 0.0 | 0.0 |
| Other specified, not elsewhere classified (*U01.8,*U02,X58,X83,Y08,Y33,Y35.6,Y86-Y87,Y89[.0-.1]) | 2,094 | 0.6 | 0.6 |
| Unintentional (X58,Y86) | 1,251 | 0.4 | 0.3 |
| Suicide (X83,Y87.0) | 132 | 0.0 | 0.1 |
| Homicide (*U01.8,*U02,Y08,Y87.1) | 511 | 0.2 | 0.2 |
| Undetermined (Y33,Y87.2) | 161 | 0.0 | 0.0 |
| Legal intervention/war (Y35.6,Y89[.0,.1]) | 39 | 0.0 | 0.0 |
| Unspecified (*U01.9,*U03.9,X59,X84,Y09,Y34,Y35.7,Y36.9,Y89.9) | 8,803 | 2.7 | 2.4 |
| Unintentional (X59) | 6,606 | 2.0 | 1.7 |
| Suicide (*U03.9,X84) | 87 | 0.0 | 0.0 |
| Homicide (*U01.9,Y09) | 1,482 | 0.5 | 0.5 |
| Undetermined (Y34,Y89.9) | 623 | 0.2 | 0.2 |
| Legal intervention/war (Y35.7,Y36.9) | 5 | * | * |

0.0 Quantity more than zero but less than 0.05.

- Quantity zero.

* Rate does not meet NCHS standards of reliability; see Technical Notes.

¹For method of computation, see Technical Notes.

²Codes *U01.3 and Y36.3 cannot be divided separately into the subcategories shown below; therefore, subcategories may not add to the total.

³Intent of death is unintentional.

SOURCE: NCHS, National Vital Statistics System, Mortality.

Table I-16. Number of deaths, death rates, and age-adjusted death rates for major causes of death: United States, each state, Puerto Rico, U.S. Virgin Islands, Guam, American Samoa, and Northern Marianas, 2017

[Rates are per 100,000 population; age-adjusted rates are per 100,000 U.S. standard population; see Technical Notes in this report. Populations used for computing death rates are postcensal estimates based on the 2010 census estimated as of July 1, 2017; see Technical Notes. Codes in parentheses after causes of death are categories of the *International Classification of Diseases, 10th Revision (ICD-10)*. Asterisks (*) preceding cause-of-death codes indicate they are not part of ICD-10; see Technical Notes]

| Area | All causes | | | Human immunodeficiency virus (HIV) disease (B20–B24) | | | Malignant neoplasms (C00–C97) | | | Diabetes mellitus (E10–E14) | | |
|----------------------------|------------|---------|--------------------------------|--|------|--------------------------------|-------------------------------|-------|--------------------------------|-----------------------------|------|--------------------------------|
| | Number | Rate | Age-adjusted rate ¹ | Number | Rate | Age-adjusted rate ¹ | Number | Rate | Age-adjusted rate ¹ | Number | Rate | Age-adjusted rate ¹ |
| United States ² | 2,813,503 | 863.8 | 731.9 | 5,698 | 1.7 | 1.6 | 599,108 | 183.9 | 152.5 | 83,564 | 25.7 | 21.5 |
| Alabama | 53,238 | 1,092.1 | 917.7 | 95 | 1.9 | 2.0 | 10,410 | 213.5 | 170.0 | 1,173 | 24.1 | 19.8 |
| Alaska | 4,411 | 596.2 | 708.8 | 3 | * | * | 926 | 125.2 | 139.2 | 130 | 17.6 | 19.3 |
| Arizona | 57,758 | 823.2 | 678.5 | 90 | 1.3 | 1.2 | 12,008 | 171.1 | 135.8 | 2,054 | 29.3 | 23.7 |
| Arkansas | 32,588 | 1,084.7 | 900.1 | 45 | 1.5 | 1.4 | 6,517 | 216.9 | 173.6 | 1,180 | 39.3 | 32.4 |
| California | 268,189 | 678.3 | 618.7 | 635 | 1.6 | 1.5 | 59,516 | 150.5 | 136.7 | 9,595 | 24.3 | 22.1 |
| Colorado | 38,063 | 678.8 | 663.4 | 55 | 1.0 | 0.9 | 7,829 | 139.6 | 130.9 | 1,017 | 18.1 | 17.2 |
| Connecticut | 31,312 | 872.6 | 651.2 | 52 | 1.4 | 1.1 | 6,608 | 184.2 | 139.5 | 694 | 19.3 | 14.5 |
| Delaware | 9,178 | 954.1 | 749.6 | 16 | * | * | 2,085 | 216.7 | 160.4 | 244 | 25.4 | 19.1 |
| District of Columbia | 4,965 | 715.4 | 725.4 | 68 | 9.8 | 9.3 | 1,031 | 148.6 | 152.8 | 138 | 19.9 | 20.1 |
| Florida | 203,636 | 970.4 | 672.1 | 754 | 3.6 | 3.2 | 45,131 | 215.1 | 145.9 | 6,172 | 29.4 | 20.2 |
| Georgia | 83,098 | 796.8 | 793.7 | 337 | 3.2 | 3.1 | 17,135 | 164.3 | 154.9 | 2,348 | 22.5 | 21.5 |
| Hawaii | 11,390 | 797.9 | 584.9 | 12 | * | * | 2,456 | 172.0 | 128.6 | 299 | 20.9 | 15.9 |
| Idaho | 14,011 | 816.0 | 741.8 | 8 | * | * | 3,020 | 175.9 | 153.2 | 394 | 22.9 | 20.3 |
| Illinois | 109,721 | 857.1 | 724.2 | 140 | 1.1 | 1.0 | 24,150 | 188.6 | 157.9 | 2,927 | 22.9 | 19.2 |
| Indiana | 65,597 | 983.9 | 848.6 | 75 | 1.1 | 1.0 | 13,462 | 201.9 | 170.0 | 2,096 | 31.4 | 26.6 |
| Iowa | 30,530 | 970.5 | 737.0 | 18 | * | * | 6,449 | 205.0 | 158.0 | 918 | 29.2 | 22.8 |
| Kansas | 27,063 | 929.0 | 771.2 | 24 | 0.8 | 0.8 | 5,494 | 188.6 | 157.2 | 874 | 30.0 | 25.2 |
| Kentucky | 48,212 | 1,082.4 | 929.9 | 51 | 1.1 | 1.1 | 10,145 | 227.8 | 185.7 | 1,474 | 33.1 | 27.7 |
| Louisiana | 45,804 | 977.8 | 881.1 | 164 | 3.5 | 3.4 | 9,513 | 203.1 | 174.9 | 1,272 | 27.2 | 23.9 |
| Maine | 14,676 | 1,098.6 | 771.6 | 8 | * | * | 3,391 | 253.8 | 170.8 | 395 | 29.6 | 19.7 |
| Maryland | 49,926 | 824.9 | 718.1 | 199 | 3.3 | 2.8 | 10,796 | 178.4 | 151.5 | 1,439 | 23.8 | 20.3 |
| Massachusetts | 58,803 | 857.2 | 677.1 | 78 | 1.1 | 0.9 | 12,934 | 188.5 | 149.3 | 1,321 | 19.3 | 15.1 |
| Michigan | 97,602 | 979.7 | 783.5 | 84 | 0.8 | 0.8 | 20,671 | 207.5 | 161.3 | 2,798 | 28.1 | 22.1 |
| Minnesota | 44,371 | 795.7 | 656.4 | 37 | 0.7 | 0.6 | 9,896 | 177.5 | 146.8 | 1,312 | 23.5 | 19.3 |
| Mississippi | 32,280 | 1,081.7 | 951.3 | 112 | 3.8 | 3.7 | 6,526 | 218.7 | 183.1 | 1,164 | 39.0 | 33.3 |
| Missouri | 61,876 | 1,012.1 | 820.1 | 71 | 1.2 | 1.1 | 12,971 | 212.2 | 167.2 | 1,605 | 26.3 | 21.0 |
| Montana | 10,200 | 971.0 | 757.5 | 3 | * | * | 2,145 | 204.2 | 152.6 | 292 | 27.8 | 21.6 |
| Nebraska | 16,878 | 879.0 | 726.0 | 10 | * | * | 3,502 | 182.4 | 152.6 | 575 | 29.9 | 25.0 |
| Nevada | 24,657 | 822.4 | 765.5 | 58 | 1.9 | 1.8 | 5,283 | 176.2 | 155.3 | 609 | 20.3 | 18.3 |
| New Hampshire | 12,504 | 931.2 | 717.2 | 6 | * | * | 2,760 | 205.5 | 153.5 | 340 | 25.3 | 19.2 |

Table I-16. Number of deaths, death rates, and age-adjusted death rates for major causes of death: United States, each state, Puerto Rico, U.S. Virgin Islands, Guam, American Samoa, and Northern Marianas, 2017

[Rates are per 100,000 population; age-adjusted rates are per 100,000 U.S. standard population; see Technical Notes in this report. Populations used for computing death rates are postcensal estimates based on the 2010 census estimated as of July 1, 2017; see Technical Notes. Codes in parentheses after causes of death are categories of the *International Classification of Diseases, 10th Revision (ICD-10)*. Asterisks (*) preceding cause-of-death codes indicate they are not part of ICD-10; see Technical Notes]

| Area | All causes | | | Human immunodeficiency virus (HIV) disease (B20–B24) | | | Malignant neoplasms (C00–C97) | | | Diabetes mellitus (E10–E14) | | |
|---------------------|------------|---------|--------------------------------|--|------|--------------------------------|-------------------------------|-------|--------------------------------|-----------------------------|------|--------------------------------|
| | Number | Rate | Age-adjusted rate ¹ | Number | Rate | Age-adjusted rate ¹ | Number | Rate | Age-adjusted rate ¹ | Number | Rate | Age-adjusted rate ¹ |
| New Jersey | 74,846 | 831.1 | 667.5 | 196 | 2.2 | 1.8 | 16,264 | 180.6 | 144.6 | 1,908 | 21.2 | 16.9 |
| New Mexico | 18,673 | 894.3 | 754.7 | 13 | * | * | 3,620 | 173.4 | 138.3 | 673 | 32.2 | 26.5 |
| New York | 155,358 | 782.7 | 623.6 | 461 | 2.3 | 2.1 | 34,956 | 176.1 | 141.2 | 4,176 | 21.0 | 16.8 |
| North Carolina | 93,157 | 906.8 | 785.6 | 210 | 2.0 | 1.8 | 19,474 | 189.6 | 157.1 | 2,903 | 28.3 | 23.6 |
| North Dakota | 6,415 | 849.2 | 692.7 | 2 | * | * | 1,280 | 169.4 | 142.6 | 194 | 25.7 | 21.8 |
| Ohio | 123,648 | 1,060.6 | 849.7 | 128 | 1.1 | 1.0 | 25,643 | 219.9 | 171.2 | 3,740 | 32.1 | 25.2 |
| Oklahoma | 40,452 | 1,029.1 | 902.4 | 44 | 1.1 | 1.2 | 8,203 | 208.7 | 177.3 | 1,398 | 35.6 | 30.6 |
| Oregon | 36,624 | 884.0 | 717.2 | 42 | 1.0 | 0.9 | 8,083 | 195.1 | 154.2 | 1,243 | 30.0 | 23.9 |
| Pennsylvania | 135,656 | 1,059.4 | 777.3 | 154 | 1.2 | 1.1 | 28,387 | 221.7 | 161.0 | 3,704 | 28.9 | 21.0 |
| Rhode Island | 10,157 | 958.5 | 713.4 | 12 | * | * | 2,154 | 203.3 | 154.2 | 275 | 26.0 | 18.8 |
| South Carolina | 49,441 | 984.0 | 828.0 | 151 | 3.0 | 2.7 | 10,356 | 206.1 | 162.7 | 1,535 | 30.6 | 24.5 |
| South Dakota | 7,996 | 919.4 | 736.6 | 3 | * | * | 1,715 | 197.2 | 156.9 | 263 | 30.2 | 24.9 |
| Tennessee | 70,096 | 1,043.7 | 897.1 | 139 | 2.1 | 1.9 | 14,302 | 213.0 | 173.4 | 1,915 | 28.5 | 24.0 |
| Texas | 198,106 | 699.9 | 735.7 | 622 | 2.2 | 2.2 | 40,668 | 143.7 | 146.5 | 5,832 | 20.6 | 21.2 |
| Utah | 18,035 | 581.4 | 700.1 | 9 | * | * | 3,161 | 101.9 | 120.3 | 596 | 19.2 | 22.9 |
| Vermont | 6,007 | 963.2 | 714.9 | 4 | * | * | 1,434 | 229.9 | 164.5 | 163 | 26.1 | 19.2 |
| Virginia | 68,579 | 809.7 | 719.4 | 106 | 1.3 | 1.1 | 15,064 | 177.9 | 152.6 | 1,967 | 23.2 | 20.1 |
| Washington | 56,995 | 769.6 | 688.6 | 52 | 0.7 | 0.6 | 12,664 | 171.0 | 148.4 | 1,812 | 24.5 | 21.6 |
| West Virginia | 23,276 | 1,281.8 | 957.1 | 9 | * | * | 4,654 | 256.3 | 179.4 | 864 | 47.6 | 34.0 |
| Wisconsin | 52,681 | 909.0 | 722.0 | 28 | 0.5 | 0.4 | 11,318 | 195.3 | 153.2 | 1,433 | 24.7 | 19.4 |
| Wyoming | 4,768 | 823.0 | 714.5 | 5 | * | * | 948 | 163.6 | 136.1 | 121 | 20.9 | 18.1 |
| Puerto Rico | 30,777 | 922.2 | 658.0 | 181 | 5.4 | 4.9 | 5,210 | 156.1 | 109.1 | 3,238 | 97.0 | 66.6 |
| U.S. Virgin Islands | 707 | 659.1 | 625.6 | 1 | * | * | 115 | 107.2 | 92.5 | 38 | 35.4 | 34.1 |
| Guam | 990 | 591.5 | 870.8 | – | * | * | 182 | 108.7 | 146.1 | 29 | 17.3 | 21.8 |
| American Samoa | 304 | 590.2 | 1,087.7 | – | * | * | 41 | 79.6 | 153.0 | 33 | 64.1 | 116.8 |
| Northern Marianas | 232 | 443.9 | 805.3 | – | * | * | 45 | 86.1 | 135.2 | 18 | * | * |

Table I-16. Number of deaths, death rates, and age-adjusted death rates for major causes of death: United States, each state, Puerto Rico, U.S. Virgin Islands, Guam, American Samoa, and Northern Marianas, 2017

[Rates are per 100,000 population; age-adjusted rates are per 100,000 U.S. standard population; see Technical Notes in this report. Populations used for computing death rates are postcensal estimates based on the 2010 census estimated as of July 1, 2017; see Technical Notes. Codes in parentheses after causes of death are categories of the *International Classification of Diseases, 10th Revision (ICD-10)*. Asterisks (*) preceding cause-of-death codes indicate they are not part of ICD-10; see Technical Notes]

| Area | Parkinson disease (G20-G21) | | | Alzheimer disease (G30) | | | Diseases of heart (I00-I09,I11,I13,I20-I51) | | | Essential hypertension and hypertensive renal disease (I10,I12,I15) | | |
|----------------------------|-----------------------------|------|--------------------------------|-------------------------|------|--------------------------------|---|-------|--------------------------------|---|------|--------------------------------|
| | Number | Rate | Age-adjusted rate ¹ | Number | Rate | Age-adjusted rate ¹ | Number | Rate | Age-adjusted rate ¹ | Number | Rate | Age-adjusted rate ¹ |
| United States ² | 31,963 | 9.8 | 8.4 | 121,404 | 37.3 | 31.0 | 647,457 | 198.8 | 165.0 | 35,316 | 10.8 | 9.0 |
| Alabama | 555 | 11.4 | 9.6 | 2,563 | 52.6 | 45.2 | 13,110 | 268.9 | 223.2 | 531 | 10.9 | 9.1 |
| Alaska | 36 | 4.9 | 7.4 | 98 | 13.2 | 22.1 | 814 | 110.0 | 135.0 | 40 | 5.4 | 6.6 |
| Arizona | 754 | 10.7 | 8.7 | 3,058 | 43.6 | 35.1 | 12,398 | 176.7 | 141.9 | 1,019 | 14.5 | 11.7 |
| Arkansas | 295 | 9.8 | 8.0 | 1,436 | 47.8 | 39.4 | 8,270 | 275.3 | 223.8 | 399 | 13.3 | 11.0 |
| California | 3,370 | 8.5 | 8.1 | 16,238 | 41.1 | 37.1 | 62,797 | 158.8 | 142.9 | 5,596 | 14.2 | 12.8 |
| Colorado | 490 | 8.7 | 9.4 | 1,830 | 32.6 | 34.2 | 7,060 | 125.9 | 122.7 | 298 | 5.3 | 5.2 |
| Connecticut | 350 | 9.8 | 7.1 | 1,077 | 30.0 | 20.4 | 7,138 | 198.9 | 141.6 | 366 | 10.2 | 7.0 |
| Delaware | 107 | 11.1 | 8.5 | 377 | 39.2 | 30.5 | 1,990 | 206.9 | 158.4 | 51 | 5.3 | 4.1 |
| District of Columbia | 37 | 5.3 | 5.6 | 125 | 18.0 | 17.6 | 1,284 | 185.0 | 189.8 | 76 | 11.0 | 11.4 |
| Florida | 2,571 | 12.3 | 7.9 | 6,980 | 33.3 | 20.7 | 46,440 | 221.3 | 145.8 | 2,622 | 12.5 | 8.3 |
| Georgia | 844 | 8.1 | 8.9 | 4,290 | 41.1 | 46.0 | 18,389 | 176.3 | 175.8 | 1,220 | 11.7 | 11.6 |
| Hawaii | 145 | 10.2 | 7.2 | 465 | 32.6 | 19.7 | 2,575 | 180.4 | 129.8 | 124 | 8.7 | 6.1 |
| Idaho | 206 | 12.0 | 11.1 | 672 | 39.1 | 36.6 | 3,084 | 179.6 | 162.4 | 94 | 5.5 | 5.0 |
| Illinois | 1,274 | 10.0 | 8.5 | 4,021 | 31.4 | 25.6 | 25,394 | 198.4 | 163.3 | 1,327 | 10.4 | 8.4 |
| Indiana | 730 | 10.9 | 9.6 | 2,771 | 41.6 | 35.3 | 14,445 | 216.7 | 183.2 | 814 | 12.2 | 10.3 |
| Iowa | 377 | 12.0 | 9.0 | 1,597 | 50.8 | 35.3 | 7,180 | 228.2 | 167.4 | 399 | 12.7 | 9.1 |
| Kansas | 359 | 12.3 | 10.1 | 894 | 30.7 | 24.3 | 5,723 | 196.5 | 157.9 | 264 | 9.1 | 7.2 |
| Kentucky | 443 | 9.9 | 8.7 | 1,765 | 39.6 | 35.0 | 10,343 | 232.2 | 195.9 | 441 | 9.9 | 8.5 |
| Louisiana | 477 | 10.2 | 9.5 | 2,188 | 46.7 | 43.7 | 11,260 | 240.4 | 214.4 | 371 | 7.9 | 7.1 |
| Maine | 200 | 15.0 | 10.4 | 601 | 45.0 | 30.4 | 2,844 | 212.9 | 143.5 | 117 | 8.8 | 6.0 |
| Maryland | 573 | 9.5 | 8.6 | 1,191 | 19.7 | 17.1 | 11,653 | 192.5 | 164.5 | 584 | 9.6 | 8.3 |
| Massachusetts | 625 | 9.1 | 7.3 | 1,841 | 26.8 | 19.9 | 12,140 | 177.0 | 134.6 | 620 | 9.0 | 6.9 |
| Michigan | 1,049 | 10.5 | 8.5 | 4,428 | 44.4 | 34.5 | 25,187 | 252.8 | 196.1 | 938 | 9.4 | 7.3 |
| Minnesota | 675 | 12.1 | 10.2 | 2,474 | 44.4 | 34.9 | 8,230 | 147.6 | 119.1 | 590 | 10.6 | 8.3 |
| Mississippi | 279 | 9.3 | 8.4 | 1,626 | 54.5 | 49.5 | 7,944 | 266.2 | 231.6 | 551 | 18.5 | 15.8 |
| Missouri | 621 | 10.2 | 8.1 | 2,545 | 41.6 | 32.3 | 14,820 | 242.4 | 191.1 | 700 | 11.5 | 9.0 |
| Montana | 100 | 9.5 | 7.6 | 285 | 27.1 | 20.9 | 2,164 | 206.0 | 155.0 | 94 | 8.9 | 6.8 |
| Nebraska | 225 | 11.7 | 9.8 | 698 | 36.4 | 28.5 | 3,581 | 186.5 | 149.3 | 274 | 14.3 | 11.3 |
| Nevada | 251 | 8.4 | 8.3 | 779 | 26.0 | 27.3 | 6,417 | 214.0 | 199.3 | 302 | 10.1 | 9.7 |
| New Hampshire | 168 | 12.5 | 10.0 | 436 | 32.5 | 24.8 | 2,721 | 202.6 | 149.7 | 100 | 7.4 | 5.6 |

Table I-16. Number of deaths, death rates, and age-adjusted death rates for major causes of death: United States, each state, Puerto Rico, U.S. Virgin Islands, Guam, American Samoa, and Northern Marianas, 2017

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| Area | Parkinson disease (G20-G21) | | | Alzheimer disease (G30) | | | Diseases of heart (I00-I09,I11,I13,I20-I51) | | | Essential hypertension and hypertensive renal disease (I10,I12,I15) | | |
|---------------------|-----------------------------|------|--------------------------------|-------------------------|------|--------------------------------|---|-------|--------------------------------|---|------|--------------------------------|
| | Number | Rate | Age-adjusted rate ¹ | Number | Rate | Age-adjusted rate ¹ | Number | Rate | Age-adjusted rate ¹ | Number | Rate | Age-adjusted rate ¹ |
| New Jersey | 798 | 8.9 | 7.2 | 2,829 | 31.4 | 23.6 | 18,840 | 209.2 | 162.3 | 808 | 9.0 | 7.0 |
| New Mexico | 224 | 10.7 | 8.9 | 572 | 27.4 | 22.7 | 3,896 | 186.6 | 151.4 | 155 | 7.4 | 6.1 |
| New York | 1,449 | 7.3 | 5.8 | 3,521 | 17.7 | 13.2 | 44,092 | 222.1 | 171.2 | 2,699 | 13.6 | 10.4 |
| North Carolina | 1,007 | 9.8 | 8.7 | 4,289 | 41.7 | 37.3 | 18,808 | 183.1 | 156.5 | 962 | 9.4 | 8.0 |
| North Dakota | 81 | 10.7 | 8.5 | 387 | 51.2 | 36.5 | 1,326 | 175.5 | 137.8 | 104 | 13.8 | 10.7 |
| Ohio | 1,297 | 11.1 | 8.7 | 5,117 | 43.9 | 33.6 | 28,008 | 240.2 | 186.2 | 1,383 | 11.9 | 9.1 |
| Oklahoma | 375 | 9.5 | 8.4 | 1,752 | 44.6 | 39.3 | 10,772 | 274.0 | 237.2 | 478 | 12.2 | 10.5 |
| Oregon | 465 | 11.2 | 9.3 | 1,850 | 44.7 | 36.0 | 6,942 | 167.6 | 134.0 | 560 | 13.5 | 10.6 |
| Pennsylvania | 1,557 | 12.2 | 8.6 | 4,213 | 32.9 | 21.7 | 32,312 | 252.3 | 176.0 | 1,025 | 8.0 | 5.5 |
| Rhode Island | 110 | 10.4 | 7.9 | 435 | 41.1 | 27.3 | 2,339 | 220.7 | 155.7 | 93 | 8.8 | 6.3 |
| South Carolina | 507 | 10.1 | 8.7 | 2,549 | 50.7 | 44.9 | 10,418 | 207.3 | 172.0 | 575 | 11.4 | 9.5 |
| South Dakota | 89 | 10.2 | 8.1 | 444 | 51.1 | 36.9 | 1,710 | 196.6 | 150.1 | 102 | 11.7 | 8.7 |
| Tennessee | 716 | 10.7 | 9.3 | 3,522 | 52.4 | 46.7 | 16,019 | 238.5 | 202.2 | 722 | 10.8 | 9.3 |
| Texas | 2,338 | 8.3 | 9.4 | 9,545 | 33.7 | 38.5 | 45,346 | 160.2 | 169.2 | 2,304 | 8.1 | 8.7 |
| Utah | 234 | 7.5 | 9.8 | 991 | 31.9 | 42.1 | 3,749 | 120.9 | 150.2 | 173 | 5.6 | 6.9 |
| Vermont | 81 | 13.0 | 9.7 | 370 | 59.3 | 42.9 | 1,332 | 213.6 | 152.5 | 79 | 12.7 | 9.1 |
| Virginia | 836 | 9.9 | 9.1 | 2,549 | 30.1 | 27.6 | 14,861 | 175.5 | 154.5 | 681 | 8.0 | 7.1 |
| Washington | 671 | 9.1 | 8.6 | 3,710 | 50.1 | 46.0 | 11,582 | 156.4 | 138.8 | 637 | 8.6 | 7.7 |
| West Virginia | 204 | 11.2 | 8.0 | 770 | 42.4 | 30.6 | 4,849 | 267.0 | 192.0 | 323 | 17.8 | 13.0 |
| Wisconsin | 690 | 11.9 | 9.5 | 2,428 | 41.9 | 31.6 | 11,860 | 204.6 | 157.6 | 502 | 8.7 | 6.6 |
| Wyoming | 48 | 8.3 | 7.2 | 212 | 36.6 | 32.7 | 1,001 | 172.8 | 148.9 | 29 | 5.0 | 4.2 |
| Puerto Rico | 188 | 5.6 | 3.7 | 2,339 | 70.1 | 45.4 | 5,557 | 166.5 | 113.6 | 568 | 17.0 | 11.2 |
| U.S. Virgin Islands | 10 | * | * | 39 | 36.4 | 43.2 | 153 | 142.6 | 124.6 | 29 | 27.0 | 26.9 |
| Guam | 2 | * | * | 4 | * | * | 336 | 200.8 | 316.5 | 5 | * | * |
| American Samoa | — | * | * | 1 | * | * | 79 | 153.4 | 260.4 | 6 | * | * |
| Northern Marianas | — | * | * | 1 | * | * | 39 | 74.6 | 117.9 | 5 | * | * |

Table I–16. Number of deaths, death rates, and age-adjusted death rates for major causes of death: United States, each state, Puerto Rico, U.S. Virgin Islands, Guam, American Samoa, and Northern Marianas, 2017

[Rates are per 100,000 population; age-adjusted rates are per 100,000 U.S. standard population; see Technical Notes in this report. Populations used for computing death rates are postcensal estimates based on the 2010 census estimated as of July 1, 2017; see Technical Notes. Codes in parentheses after causes of death are categories of the *International Classification of Diseases, 10th Revision (ICD–10)*. Asterisks (*) preceding cause-of-death codes indicate they are not part of ICD–10; see Technical Notes]

| Area | Cerebrovascular diseases (I60–I69) | | | Influenza and pneumonia (J09–J18) | | | Chronic lower respiratory diseases (J40–J47) | | | Chronic liver disease and cirrhosis (K70,K73–K74) | | |
|----------------------------|------------------------------------|------|--------------------------------|-----------------------------------|------|--------------------------------|--|------|--------------------------------|---|------|--------------------------------|
| | Number | Rate | Age-adjusted rate ¹ | Number | Rate | Age-adjusted rate ¹ | Number | Rate | Age-adjusted rate ¹ | Number | Rate | Age-adjusted rate ¹ |
| United States ² | 146,383 | 44.9 | 37.6 | 55,672 | 17.1 | 14.3 | 160,201 | 49.2 | 40.9 | 41,743 | 12.8 | 10.9 |
| Alabama | 2,931 | 60.1 | 50.0 | 1,176 | 24.1 | 20.2 | 3,484 | 71.5 | 57.8 | 756 | 15.5 | 12.7 |
| Alaska | 190 | 25.7 | 35.1 | 66 | 8.9 | 11.7 | 204 | 27.6 | 35.9 | 121 | 16.4 | 15.1 |
| Arizona | 2,681 | 38.2 | 30.8 | 876 | 12.5 | 10.1 | 3,802 | 54.2 | 42.7 | 1,137 | 16.2 | 14.3 |
| Arkansas | 1,612 | 53.7 | 43.8 | 720 | 24.0 | 19.8 | 2,517 | 83.8 | 66.7 | 399 | 13.3 | 11.3 |
| California | 16,355 | 41.4 | 37.6 | 6,340 | 16.0 | 14.6 | 13,881 | 35.1 | 32.2 | 5,325 | 13.5 | 12.1 |
| Colorado | 1,988 | 35.5 | 35.8 | 577 | 10.3 | 10.1 | 2,604 | 46.4 | 45.6 | 865 | 15.4 | 14.0 |
| Connecticut | 1,403 | 39.1 | 27.8 | 675 | 18.8 | 13.1 | 1,471 | 41.0 | 30.4 | 407 | 11.3 | 9.1 |
| Delaware | 571 | 59.4 | 46.2 | 184 | 19.1 | 14.9 | 526 | 54.7 | 40.7 | 106 | 11.0 | 8.9 |
| District of Columbia | 246 | 35.4 | 35.9 | 79 | 11.4 | 11.4 | 137 | 19.7 | 19.6 | 53 | 7.6 | 7.7 |
| Florida | 12,602 | 60.1 | 38.9 | 3,057 | 14.6 | 9.6 | 12,619 | 60.1 | 39.0 | 3,098 | 14.8 | 11.2 |
| Georgia | 4,399 | 42.2 | 43.5 | 1,400 | 13.4 | 13.8 | 4,866 | 46.7 | 46.2 | 1,146 | 11.0 | 9.8 |
| Hawaii | 764 | 53.5 | 37.5 | 637 | 44.6 | 29.6 | 378 | 26.5 | 19.0 | 132 | 9.2 | 7.5 |
| Idaho | 726 | 42.3 | 38.5 | 255 | 14.9 | 13.7 | 925 | 53.9 | 47.2 | 197 | 11.5 | 10.2 |
| Illinois | 6,020 | 47.0 | 38.9 | 2,402 | 18.8 | 15.6 | 5,732 | 44.8 | 37.6 | 1,407 | 11.0 | 9.3 |
| Indiana | 3,150 | 47.2 | 40.2 | 1,078 | 16.2 | 13.8 | 4,375 | 65.6 | 55.2 | 900 | 13.5 | 11.6 |
| Iowa | 1,416 | 45.0 | 32.8 | 578 | 18.4 | 13.2 | 1,939 | 61.6 | 46.5 | 337 | 10.7 | 9.2 |
| Kansas | 1,355 | 46.5 | 37.7 | 546 | 18.7 | 15.0 | 1,832 | 62.9 | 51.7 | 317 | 10.9 | 9.7 |
| Kentucky | 2,050 | 46.0 | 39.4 | 932 | 20.9 | 18.1 | 3,480 | 78.1 | 64.5 | 682 | 15.3 | 12.8 |
| Louisiana | 2,460 | 52.5 | 47.4 | 785 | 16.8 | 15.1 | 2,467 | 52.7 | 46.6 | 543 | 11.6 | 10.0 |
| Maine | 736 | 55.1 | 37.5 | 301 | 22.5 | 15.2 | 982 | 73.5 | 48.7 | 196 | 14.7 | 10.4 |
| Maryland | 2,820 | 46.6 | 40.2 | 990 | 16.4 | 14.0 | 2,079 | 34.4 | 29.9 | 484 | 8.0 | 6.6 |
| Massachusetts | 2,367 | 34.5 | 26.5 | 1,433 | 20.9 | 15.9 | 2,842 | 41.4 | 32.4 | 766 | 11.2 | 9.2 |
| Michigan | 5,002 | 50.2 | 39.3 | 1,798 | 18.0 | 14.2 | 5,688 | 57.1 | 44.3 | 1,323 | 13.3 | 10.9 |
| Minnesota | 2,250 | 40.3 | 32.6 | 697 | 12.5 | 9.9 | 2,464 | 44.2 | 36.3 | 568 | 10.2 | 8.6 |
| Mississippi | 1,723 | 57.7 | 51.1 | 782 | 26.2 | 23.0 | 2,037 | 68.3 | 58.3 | 437 | 14.6 | 12.6 |
| Missouri | 3,159 | 51.7 | 41.0 | 1,281 | 21.0 | 16.7 | 3,940 | 64.4 | 50.7 | 690 | 11.3 | 9.3 |
| Montana | 487 | 46.4 | 35.6 | 185 | 17.6 | 13.3 | 752 | 71.6 | 53.5 | 195 | 18.6 | 16.1 |
| Nebraska | 760 | 39.6 | 31.5 | 393 | 20.5 | 16.1 | 1,224 | 63.7 | 52.6 | 211 | 11.0 | 9.9 |
| Nevada | 1,137 | 37.9 | 35.9 | 636 | 21.2 | 19.6 | 1,633 | 54.5 | 50.0 | 458 | 15.3 | 13.3 |
| New Hampshire | 514 | 38.3 | 28.9 | 230 | 17.1 | 13.1 | 755 | 56.2 | 43.0 | 162 | 12.1 | 9.1 |

Table I-16. Number of deaths, death rates, and age-adjusted death rates for major causes of death: United States, each state, Puerto Rico, U.S. Virgin Islands, Guam, American Samoa, and Northern Marianas, 2017

[Rates are per 100,000 population; age-adjusted rates are per 100,000 U.S. standard population; see Technical Notes in this report. Populations used for computing death rates are postcensal estimates based on the 2010 census estimated as of July 1, 2017; see Technical Notes. Codes in parentheses after causes of death are categories of the *International Classification of Diseases, 10th Revision (ICD-10)*. Asterisks (*) preceding cause-of-death codes indicate they are not part of ICD-10; see Technical Notes]

| Area | Cerebrovascular diseases (I60-I69) | | | Influenza and pneumonia (J09-J18) | | | Chronic lower respiratory diseases (J40-J47) | | | Chronic liver disease and cirrhosis (K70,K73-K74) | | |
|---------------------|------------------------------------|------|--------------------------------|-----------------------------------|------|--------------------------------|--|------|--------------------------------|---|------|--------------------------------|
| | Number | Rate | Age-adjusted rate ¹ | Number | Rate | Age-adjusted rate ¹ | Number | Rate | Age-adjusted rate ¹ | Number | Rate | Age-adjusted rate ¹ |
| New Jersey | 3,474 | 38.6 | 30.2 | 1,337 | 14.8 | 11.7 | 3,227 | 35.8 | 28.6 | 797 | 8.9 | 7.3 |
| New Mexico | 878 | 42.0 | 34.7 | 338 | 16.2 | 13.6 | 1,143 | 54.7 | 44.2 | 605 | 29.0 | 26.8 |
| New York | 6,264 | 31.6 | 24.6 | 4,517 | 22.8 | 17.7 | 7,258 | 36.6 | 28.9 | 1,671 | 8.4 | 7.1 |
| North Carolina | 5,098 | 49.6 | 43.0 | 2,076 | 20.2 | 17.5 | 5,540 | 53.9 | 45.3 | 1,273 | 12.4 | 10.3 |
| North Dakota | 337 | 44.6 | 35.4 | 147 | 19.5 | 15.3 | 358 | 47.4 | 38.3 | 87 | 11.5 | 11.0 |
| Ohio | 6,425 | 55.1 | 42.8 | 2,243 | 19.2 | 14.9 | 7,312 | 62.7 | 48.5 | 1,603 | 13.7 | 11.2 |
| Oklahoma | 1,947 | 49.5 | 43.3 | 625 | 15.9 | 13.9 | 3,035 | 77.2 | 65.8 | 670 | 17.0 | 15.0 |
| Oregon | 2,066 | 49.9 | 39.9 | 573 | 13.8 | 11.1 | 2,088 | 50.4 | 39.7 | 642 | 15.5 | 12.6 |
| Pennsylvania | 6,700 | 52.3 | 36.5 | 2,718 | 21.2 | 14.6 | 6,667 | 52.1 | 37.1 | 1,336 | 10.4 | 8.0 |
| Rhode Island | 425 | 40.1 | 29.4 | 206 | 19.4 | 13.9 | 521 | 49.2 | 36.2 | 148 | 14.0 | 11.2 |
| South Carolina | 2,691 | 53.6 | 44.9 | 723 | 14.4 | 12.3 | 2,983 | 59.4 | 47.9 | 812 | 16.2 | 13.1 |
| South Dakota | 414 | 47.6 | 36.7 | 217 | 25.0 | 19.0 | 505 | 58.1 | 45.3 | 153 | 17.6 | 17.2 |
| Tennessee | 3,519 | 52.4 | 45.0 | 1,656 | 24.7 | 21.3 | 4,657 | 69.3 | 57.4 | 1,038 | 15.5 | 12.8 |
| Texas | 10,790 | 38.1 | 41.3 | 2,954 | 10.4 | 11.2 | 10,650 | 37.6 | 40.5 | 4,107 | 14.5 | 13.9 |
| Utah | 888 | 28.6 | 36.2 | 334 | 10.8 | 13.3 | 826 | 26.6 | 32.1 | 243 | 7.8 | 8.8 |
| Vermont | 249 | 39.9 | 28.8 | 86 | 13.8 | 9.7 | 375 | 60.1 | 43.0 | 71 | 11.4 | 8.8 |
| Virginia | 3,555 | 42.0 | 37.5 | 1,245 | 14.7 | 13.1 | 3,363 | 39.7 | 34.9 | 970 | 11.5 | 9.6 |
| Washington | 3,028 | 40.9 | 36.9 | 1,041 | 14.1 | 12.6 | 3,177 | 42.9 | 38.0 | 982 | 13.3 | 11.4 |
| West Virginia | 1,058 | 58.3 | 41.8 | 458 | 25.2 | 18.2 | 1,681 | 92.6 | 64.3 | 337 | 18.6 | 14.0 |
| Wisconsin | 2,513 | 43.4 | 33.5 | 974 | 16.8 | 12.9 | 2,834 | 48.9 | 38.3 | 679 | 11.7 | 9.5 |
| Wyoming | 190 | 32.8 | 28.4 | 115 | 19.9 | 17.5 | 366 | 63.2 | 53.8 | 101 | 17.4 | 14.2 |
| Puerto Rico | 1,216 | 36.4 | 24.8 | 818 | 24.5 | 16.7 | 1,176 | 35.2 | 23.5 | 294 | 8.8 | 6.2 |
| U.S. Virgin Islands | 47 | 43.8 | 39.8 | 6 | * | * | 10 | * | * | 7 | * | * |
| Guam | 52 | 31.1 | 44.0 | 17 | * | * | 18 | * | * | 27 | 16.1 | 17.7 |
| American Samoa | 18 | * | * | 6 | * | * | 8 | * | * | 2 | * | * |
| Northern Marianas | 23 | 44.0 | 140.9 | 5 | * | * | 7 | * | * | 2 | * | * |

Table I-16. Number of deaths, death rates, and age-adjusted death rates for major causes of death: United States, each state, Puerto Rico, U.S. Virgin Islands, Guam, American Samoa, and Northern Marianas, 2017

[Rates are per 100,000 population; age-adjusted rates are per 100,000 U.S. standard population; see Technical Notes in this report. Populations used for computing death rates are postcensal estimates based on the 2010 census estimated as of July 1, 2017; see Technical Notes. Codes in parentheses after causes of death are categories of the *International Classification of Diseases, 10th Revision (ICD-10)*. Asterisks (*) preceding cause-of-death codes indicate they are not part of ICD-10; see Technical Notes]

| Area | Nephritis, nephrotic syndrome, and nephrosis (N00–N07,N17–N19,N25–N27) | | | Accidents (unintentional injuries) (V01–X59,Y85–Y86) | | | Motor vehicle accidents ³ | | | Intentional self-harm (suicide) (*U03,X60–X84,Y87.0) | | |
|----------------------------|--|------|--------------------------------|--|------|--------------------------------|--------------------------------------|------|--------------------------------|--|------|--------------------------------|
| | Number | Rate | Age-adjusted rate ¹ | Number | Rate | Age-adjusted rate ¹ | Number | Rate | Age-adjusted rate ¹ | Number | Rate | Age-adjusted rate ¹ |
| United States ² | 50,633 | 15.5 | 13.0 | 169,936 | 52.2 | 49.4 | 40,231 | 12.4 | 12.0 | 47,173 | 14.5 | 14.0 |
| Alabama | 980 | 20.1 | 16.5 | 2,703 | 55.4 | 53.8 | 1,034 | 21.2 | 20.9 | 836 | 17.1 | 16.6 |
| Alaska | 54 | 7.3 | 9.9 | 436 | 58.9 | 63.7 | 101 | 13.7 | 14.2 | 200 | 27.0 | 27.0 |
| Arizona | 540 | 7.7 | 6.2 | 4,184 | 59.6 | 56.2 | 1,017 | 14.5 | 14.2 | 1,327 | 18.9 | 18.2 |
| Arkansas | 725 | 24.1 | 19.7 | 1,625 | 54.1 | 51.8 | 579 | 19.3 | 18.9 | 631 | 21.0 | 20.8 |
| California | 3,887 | 9.8 | 8.9 | 13,840 | 35.0 | 33.1 | 4,194 | 10.6 | 10.3 | 4,312 | 10.9 | 10.5 |
| Colorado | 503 | 9.0 | 8.9 | 3,037 | 54.2 | 53.6 | 678 | 12.1 | 11.8 | 1,181 | 21.1 | 20.3 |
| Connecticut | 554 | 15.4 | 11.2 | 2,078 | 57.9 | 53.2 | 293 | 8.2 | 7.8 | 405 | 11.3 | 10.5 |
| Delaware | 205 | 21.3 | 16.1 | 608 | 63.2 | 61.9 | 127 | 13.2 | 12.9 | 112 | 11.6 | 11.6 |
| District of Columbia | 67 | 9.7 | 10.0 | 427 | 61.5 | 61.0 | 33 | 4.8 | 4.7 | 47 | 6.8 | 6.6 |
| Florida | 3,172 | 15.1 | 10.1 | 13,059 | 62.2 | 56.1 | 3,229 | 15.4 | 14.8 | 3,227 | 15.4 | 14.0 |
| Georgia | 1,942 | 18.6 | 18.6 | 4,712 | 45.2 | 45.2 | 1,556 | 14.9 | 14.6 | 1,451 | 13.9 | 13.6 |
| Hawaii | 208 | 14.6 | 10.7 | 585 | 41.0 | 35.7 | 106 | 7.4 | 7.2 | 227 | 15.9 | 15.2 |
| Idaho | 170 | 9.9 | 9.0 | 876 | 51.0 | 49.8 | 271 | 15.8 | 15.5 | 392 | 22.8 | 23.2 |
| Illinois | 2,565 | 20.0 | 16.8 | 6,019 | 47.0 | 44.4 | 1,232 | 9.6 | 9.3 | 1,474 | 11.5 | 11.2 |
| Indiana | 1,440 | 21.6 | 18.5 | 3,978 | 59.7 | 58.7 | 917 | 13.8 | 13.5 | 1,092 | 16.4 | 16.3 |
| Iowa | 367 | 11.7 | 8.8 | 1,536 | 48.8 | 42.7 | 396 | 12.6 | 12.0 | 479 | 15.2 | 15.0 |
| Kansas | 541 | 18.6 | 15.0 | 1,567 | 53.8 | 49.4 | 461 | 15.8 | 15.6 | 553 | 19.0 | 19.1 |
| Kentucky | 1,024 | 23.0 | 19.4 | 3,264 | 73.3 | 72.9 | 831 | 18.7 | 18.3 | 770 | 17.3 | 16.9 |
| Louisiana | 1,076 | 23.0 | 20.6 | 2,780 | 59.3 | 58.8 | 825 | 17.6 | 17.6 | 720 | 15.4 | 15.2 |
| Maine | 260 | 19.5 | 13.0 | 990 | 74.1 | 68.0 | 190 | 14.2 | 13.7 | 274 | 20.5 | 18.9 |
| Maryland | 830 | 13.7 | 11.9 | 2,408 | 39.8 | 36.9 | 574 | 9.5 | 9.2 | 630 | 10.4 | 9.8 |
| Massachusetts | 1,193 | 17.4 | 13.4 | 3,821 | 55.7 | 51.5 | 416 | 6.1 | 5.7 | 682 | 9.9 | 9.5 |
| Michigan | 1,874 | 18.8 | 14.7 | 5,623 | 56.4 | 53.0 | 1,057 | 10.6 | 10.2 | 1,457 | 14.6 | 14.1 |
| Minnesota | 537 | 9.6 | 7.7 | 2,788 | 50.0 | 44.6 | 452 | 8.1 | 7.8 | 783 | 14.0 | 13.8 |
| Mississippi | 741 | 24.8 | 21.7 | 1,738 | 58.2 | 56.3 | 771 | 25.8 | 25.7 | 445 | 14.9 | 15.0 |
| Missouri | 1,515 | 24.8 | 19.6 | 3,776 | 61.8 | 58.8 | 999 | 16.3 | 16.0 | 1,151 | 18.8 | 18.5 |
| Montana | 129 | 12.3 | 9.2 | 579 | 55.1 | 50.2 | 179 | 17.0 | 17.0 | 311 | 29.6 | 28.9 |
| Nebraska | 226 | 11.8 | 9.5 | 811 | 42.2 | 38.5 | 260 | 13.5 | 13.3 | 275 | 14.3 | 14.7 |
| Nevada | 299 | 10.0 | 9.0 | 1,496 | 49.9 | 47.8 | 353 | 11.8 | 11.2 | 627 | 20.9 | 20.3 |
| New Hampshire | 169 | 12.6 | 9.4 | 907 | 67.5 | 62.9 | 108 | 8.0 | 7.3 | 265 | 19.7 | 18.9 |

Table I-16. Number of deaths, death rates, and age-adjusted death rates for major causes of death: United States, each state, Puerto Rico, U.S. Virgin Islands, Guam, American Samoa, and Northern Marianas, 2017

[Rates are per 100,000 population; age-adjusted rates are per 100,000 U.S. standard population; see Technical Notes in this report. Populations used for computing death rates are postcensal estimates based on the 2010 census estimated as of July 1, 2017; see Technical Notes. Codes in parentheses after causes of death are categories of the *International Classification of Diseases, 10th Revision (ICD-10)*. Asterisks (*) preceding cause-of-death codes indicate they are not part of ICD-10; see Technical Notes]

| Area | Nephritis, nephrotic syndrome, and nephrosis (N00–N07,N17–N19,N25–N27) | | | Accidents (unintentional injuries) (V01–X59,Y85–Y86) | | | Motor vehicle accidents ³ | | | Intentional self-harm (suicide) (*U03,X60–X84,Y87.0) | | |
|---------------------|--|------|--------------------------------|--|-------|--------------------------------|--------------------------------------|------|--------------------------------|--|------|--------------------------------|
| | Number | Rate | Age-adjusted rate ¹ | Number | Rate | Age-adjusted rate ¹ | Number | Rate | Age-adjusted rate ¹ | Number | Rate | Age-adjusted rate ¹ |
| New Jersey | 1,591 | 17.7 | 13.9 | 4,482 | 49.8 | 47.3 | 647 | 7.2 | 6.7 | 795 | 8.8 | 8.3 |
| New Mexico | 330 | 15.8 | 12.9 | 1,460 | 69.9 | 68.2 | 399 | 19.1 | 19.3 | 491 | 23.5 | 23.3 |
| New York | 2,296 | 11.6 | 9.1 | 7,687 | 38.7 | 35.5 | 1,146 | 5.8 | 5.5 | 1,696 | 8.5 | 8.1 |
| North Carolina | 2,040 | 19.9 | 17.0 | 5,985 | 58.3 | 56.3 | 1,520 | 14.8 | 14.4 | 1,521 | 14.8 | 14.3 |
| North Dakota | 122 | 16.2 | 12.9 | 339 | 44.9 | 41.3 | 118 | 15.6 | 15.4 | 154 | 20.4 | 20.1 |
| Ohio | 2,237 | 19.2 | 15.0 | 8,971 | 76.9 | 75.1 | 1,322 | 11.3 | 11.1 | 1,740 | 14.9 | 14.8 |
| Oklahoma | 461 | 11.7 | 10.2 | 2,563 | 65.2 | 62.5 | 723 | 18.4 | 18.1 | 756 | 19.2 | 19.1 |
| Oregon | 377 | 9.1 | 7.3 | 2,076 | 50.1 | 44.7 | 509 | 12.3 | 11.7 | 825 | 19.9 | 19.0 |
| Pennsylvania | 2,898 | 22.6 | 15.9 | 9,527 | 74.4 | 70.2 | 1,262 | 9.9 | 9.5 | 2,030 | 15.9 | 15.0 |
| Rhode Island | 176 | 16.6 | 11.6 | 718 | 67.8 | 60.0 | 105 | 9.9 | 9.4 | 129 | 12.2 | 11.8 |
| South Carolina | 950 | 18.9 | 15.5 | 3,147 | 62.6 | 60.2 | 1,059 | 21.1 | 20.8 | 838 | 16.7 | 16.3 |
| South Dakota | 75 | 8.6 | 6.8 | 537 | 61.7 | 56.1 | 165 | 19.0 | 18.9 | 191 | 22.0 | 22.5 |
| Tennessee | 1,140 | 17.0 | 14.4 | 4,435 | 66.0 | 63.0 | 1,088 | 16.2 | 15.7 | 1,166 | 17.4 | 16.8 |
| Texas | 4,256 | 15.0 | 16.0 | 10,763 | 38.0 | 38.8 | 3,892 | 13.8 | 13.8 | 3,778 | 13.3 | 13.4 |
| Utah | 384 | 12.4 | 15.3 | 1,238 | 39.9 | 44.2 | 293 | 9.4 | 9.9 | 663 | 21.4 | 22.7 |
| Vermont | 29 | 4.6 | 3.3 | 394 | 63.2 | 56.9 | 81 | 13.0 | 12.3 | 112 | 18.0 | 18.3 |
| Virginia | 1,618 | 19.1 | 16.9 | 3,922 | 46.3 | 44.0 | 896 | 10.6 | 10.1 | 1,179 | 13.9 | 13.4 |
| Washington | 439 | 5.9 | 5.2 | 3,455 | 46.7 | 44.0 | 663 | 9.0 | 8.8 | 1,297 | 17.5 | 16.9 |
| West Virginia | 436 | 24.0 | 17.1 | 1,892 | 104.2 | 100.3 | 337 | 18.6 | 18.2 | 393 | 21.6 | 21.1 |
| Wisconsin | 922 | 15.9 | 12.5 | 3,746 | 64.6 | 58.3 | 657 | 11.3 | 10.9 | 926 | 16.0 | 15.4 |
| Wyoming | 63 | 10.9 | 9.5 | 348 | 60.1 | 56.9 | 110 | 19.0 | 19.1 | 157 | 27.1 | 26.9 |
| Puerto Rico | 890 | 26.7 | 18.3 | 966 | 28.9 | 23.3 | 317 | 9.5 | 8.5 | 247 | 7.4 | 6.5 |
| U.S. Virgin Islands | 17 | * | * | 36 | 33.6 | 34.1 | 11 | * | * | 10 | * | * |
| Guam | 26 | 15.5 | 24.2 | 44 | 26.3 | 27.1 | 18 | * | * | 36 | 21.5 | 24.6 |
| American Samoa | 9 | * | * | 16 | * | * | 2 | * | * | 3 | * | * |
| Northern Marianas | 7 | * | * | 22 | 42.1 | 55.0 | 6 | * | * | 8 | * | * |

Table I-16. Number of deaths, death rates, and age-adjusted death rates for major causes of death: United States, each state, Puerto Rico, U.S. Virgin Islands, Guam, American Samoa, and Northern Marianas, 2017

[Rates are per 100,000 population; age-adjusted rates are per 100,000 U.S. standard population; see Technical Notes in this report. Populations used for computing death rates are postcensal estimates based on the 2010 census estimated as of July 1, 2017; see Technical Notes. Codes in parentheses after causes of death are categories of the *International Classification of Diseases, 10th Revision (ICD-10)*. Asterisks (*) preceding cause-of-death codes indicate they are not part of ICD-10; see Technical Notes]

| Area | Assault (homicide) (*U01-*U02,X85-Y09,Y87.1) | | | Alcohol-induced causes ⁴ | | | Drug-induced causes ⁵ | | | Injury by firearms ⁶ | | |
|----------------------------|---|------|--------------------------------|-------------------------------------|------|--------------------------------|----------------------------------|------|--------------------------------|---------------------------------|------|--------------------------------|
| | Number | Rate | Age-adjusted rate ¹ | Number | Rate | Age-adjusted rate ¹ | Number | Rate | Age-adjusted rate ¹ | Number | Rate | Age-adjusted rate ¹ |
| United States ² | 19,510 | 6.0 | 6.2 | 35,823 | 11.0 | 9.6 | 73,990 | 22.7 | 22.8 | 39,773 | 12.2 | 12.0 |
| Alabama | 602 | 12.3 | 12.9 | 387 | 7.9 | 6.8 | 960 | 19.7 | 20.3 | 1,124 | 23.1 | 22.9 |
| Alaska | 78 | 10.5 | 10.6 | 159 | 21.5 | 20.2 | 158 | 21.4 | 21.6 | 180 | 24.3 | 24.5 |
| Arizona | 441 | 6.3 | 6.6 | 1,228 | 17.5 | 16.2 | 1,628 | 23.2 | 23.6 | 1,134 | 16.2 | 15.8 |
| Arkansas | 278 | 9.3 | 9.8 | 261 | 8.7 | 7.9 | 481 | 16.0 | 16.7 | 613 | 20.4 | 20.3 |
| California | 2,022 | 5.1 | 5.1 | 5,096 | 12.9 | 11.6 | 5,302 | 13.4 | 12.7 | 3,184 | 8.1 | 7.9 |
| Colorado | 261 | 4.7 | 4.6 | 1,018 | 18.2 | 16.5 | 1,050 | 18.7 | 18.1 | 779 | 13.9 | 13.4 |
| Connecticut | 109 | 3.0 | 3.2 | 354 | 9.9 | 8.2 | 1,103 | 30.7 | 31.8 | 188 | 5.2 | 5.1 |
| Delaware | 63 | 6.5 | 6.9 | 104 | 10.8 | 9.2 | 342 | 35.6 | 37.5 | 111 | 11.5 | 11.7 |
| District of Columbia | 117 | 16.9 | 15.6 | 63 | 9.1 | 9.3 | 322 | 46.4 | 45.6 | 100 | 14.4 | 13.1 |
| Florida | 1,269 | 6.0 | 6.4 | 2,598 | 12.4 | 9.9 | 5,347 | 25.5 | 26.3 | 2,724 | 13.0 | 12.4 |
| Georgia | 810 | 7.8 | 7.9 | 848 | 8.1 | 7.3 | 1,629 | 15.6 | 15.5 | 1,623 | 15.6 | 15.4 |
| Hawaii | 35 | 2.5 | 2.5 | 95 | 6.7 | 5.8 | 221 | 15.5 | 15.0 | 39 | 2.7 | 2.5 |
| Idaho | 50 | 2.9 | 3.0 | 221 | 12.9 | 11.6 | 264 | 15.4 | 15.9 | 280 | 16.3 | 16.4 |
| Illinois | 1,120 | 8.7 | 9.0 | 1,116 | 8.7 | 7.7 | 2,812 | 22.0 | 21.9 | 1,543 | 12.1 | 12.1 |
| Indiana | 456 | 6.8 | 7.2 | 722 | 10.8 | 9.6 | 1,925 | 28.9 | 30.5 | 1,016 | 15.2 | 15.3 |
| Iowa | 104 | 3.3 | 3.4 | 404 | 12.8 | 11.5 | 357 | 11.3 | 12.0 | 293 | 9.3 | 9.0 |
| Kansas | 185 | 6.4 | 6.5 | 314 | 10.8 | 9.8 | 360 | 12.4 | 12.7 | 466 | 16.0 | 16.0 |
| Kentucky | 310 | 7.0 | 7.3 | 484 | 10.9 | 9.6 | 1,662 | 37.3 | 39.5 | 730 | 16.4 | 16.2 |
| Louisiana | 653 | 13.9 | 14.4 | 341 | 7.3 | 6.6 | 1,138 | 24.3 | 25.1 | 1,008 | 21.5 | 21.7 |
| Maine | 19 | * | * | 194 | 14.5 | 11.3 | 443 | 33.2 | 35.7 | 172 | 12.9 | 11.7 |
| Maryland | 587 | 9.7 | 10.2 | 393 | 6.5 | 5.5 | 2,296 | 37.9 | 37.0 | 742 | 12.3 | 12.3 |
| Massachusetts | 171 | 2.5 | 2.6 | 683 | 10.0 | 8.4 | 2,323 | 33.9 | 33.9 | 262 | 3.8 | 3.7 |
| Michigan | 588 | 5.9 | 6.3 | 1,049 | 10.5 | 9.1 | 3,034 | 30.5 | 31.3 | 1,138 | 11.4 | 11.3 |
| Minnesota | 122 | 2.2 | 2.2 | 641 | 11.5 | 10.0 | 825 | 14.8 | 14.8 | 465 | 8.3 | 8.2 |
| Mississippi | 360 | 12.1 | 12.7 | 214 | 7.2 | 6.3 | 387 | 13.0 | 13.3 | 632 | 21.2 | 21.5 |
| Missouri | 655 | 10.7 | 11.3 | 556 | 9.1 | 7.9 | 1,426 | 23.3 | 24.3 | 1,307 | 21.4 | 21.5 |
| Montana | 42 | 4.0 | 4.3 | 249 | 23.7 | 20.7 | 132 | 12.6 | 12.9 | 244 | 23.2 | 22.5 |
| Nebraska | 50 | 2.6 | 2.7 | 245 | 12.8 | 11.8 | 163 | 8.5 | 8.7 | 160 | 8.3 | 8.3 |
| Nevada | 221 | 7.4 | 7.6 | 513 | 17.1 | 14.8 | 698 | 23.3 | 22.2 | 508 | 16.9 | 16.7 |
| New Hampshire | 17 | * | * | 176 | 13.1 | 10.3 | 479 | 35.7 | 37.8 | 146 | 10.9 | 10.4 |

Table I-16. Number of deaths, death rates, and age-adjusted death rates for major causes of death: United States, each state, Puerto Rico, U.S. Virgin Islands, Guam, American Samoa, and Northern Marianas, 2017

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| Area | Assault (homicide) (*U01-*U02,X85-Y09,Y87.1) | | | Alcohol-induced causes ⁴ | | | Drug-induced causes ⁵ | | | Injury by firearms ⁶ | | |
|---------------------|---|------|--------------------------------|-------------------------------------|------|--------------------------------|----------------------------------|------|--------------------------------|---------------------------------|------|--------------------------------|
| | Number | Rate | Age-adjusted rate ¹ | Number | Rate | Age-adjusted rate ¹ | Number | Rate | Age-adjusted rate ¹ | Number | Rate | Age-adjusted rate ¹ |
| New Jersey | 352 | 3.9 | 4.1 | 647 | 7.2 | 6.3 | 2,752 | 30.6 | 30.7 | 478 | 5.3 | 5.3 |
| New Mexico | 173 | 8.3 | 8.5 | 659 | 31.6 | 30.6 | 515 | 24.7 | 26.0 | 394 | 18.9 | 18.5 |
| New York | 577 | 2.9 | 3.0 | 1,584 | 8.0 | 7.0 | 4,117 | 20.7 | 20.4 | 772 | 3.9 | 3.7 |
| North Carolina | 679 | 6.6 | 6.9 | 1,019 | 9.9 | 8.4 | 2,515 | 24.5 | 25.1 | 1,430 | 13.9 | 13.7 |
| North Dakota | 15 | * | * | 111 | 14.7 | 14.0 | 73 | 9.7 | 9.8 | 103 | 13.6 | 13.2 |
| Ohio | 828 | 7.1 | 7.5 | 1,219 | 10.5 | 8.9 | 5,299 | 45.5 | 47.9 | 1,589 | 13.6 | 13.7 |
| Oklahoma | 318 | 8.1 | 8.5 | 605 | 15.4 | 14.1 | 805 | 20.5 | 20.8 | 681 | 17.3 | 17.2 |
| Oregon | 127 | 3.1 | 3.1 | 879 | 21.2 | 17.4 | 676 | 16.3 | 15.4 | 528 | 12.7 | 12.1 |
| Pennsylvania | 791 | 6.2 | 6.6 | 930 | 7.3 | 6.0 | 5,495 | 42.9 | 45.0 | 1,636 | 12.8 | 12.5 |
| Rhode Island | 19 | * | * | 123 | 11.6 | 9.6 | 322 | 30.4 | 31.2 | 43 | 4.1 | 3.9 |
| South Carolina | 444 | 8.8 | 9.3 | 631 | 12.6 | 10.5 | 1,052 | 20.9 | 21.3 | 893 | 17.8 | 17.7 |
| South Dakota | 34 | 3.9 | 4.2 | 181 | 20.8 | 20.2 | 81 | 9.3 | 9.5 | 101 | 11.6 | 11.9 |
| Tennessee | 557 | 8.3 | 8.8 | 804 | 12.0 | 10.2 | 1,898 | 28.3 | 28.4 | 1,246 | 18.6 | 18.4 |
| Texas | 1,653 | 5.8 | 5.8 | 2,325 | 8.2 | 7.9 | 3,120 | 11.0 | 11.0 | 3,513 | 12.4 | 12.4 |
| Utah | 79 | 2.5 | 2.6 | 259 | 8.3 | 9.3 | 691 | 22.3 | 23.7 | 410 | 13.2 | 14.0 |
| Vermont | 15 | * | * | 94 | 15.1 | 11.8 | 145 | 23.2 | 25.0 | 70 | 11.2 | 11.7 |
| Virginia | 455 | 5.4 | 5.4 | 696 | 8.2 | 7.1 | 1,558 | 18.4 | 18.4 | 1,041 | 12.3 | 11.9 |
| Washington | 266 | 3.6 | 3.6 | 1,152 | 15.6 | 13.4 | 1,309 | 17.7 | 16.8 | 849 | 11.5 | 11.1 |
| West Virginia | 112 | 6.2 | 6.5 | 264 | 14.5 | 11.6 | 1,023 | 56.3 | 60.5 | 348 | 19.2 | 18.6 |
| Wisconsin | 202 | 3.5 | 3.7 | 780 | 13.5 | 11.2 | 1,205 | 20.8 | 21.6 | 624 | 10.8 | 10.6 |
| Wyoming | 19 | * | * | 135 | 23.3 | 20.3 | 72 | 12.4 | 12.7 | 113 | 19.5 | 18.8 |
| Puerto Rico | 684 | 20.5 | 22.0 | 192 | 5.8 | 4.2 | 86 | 2.6 | 2.6 | 649 | 19.4 | 20.8 |
| U.S. Virgin Islands | 54 | 50.3 | 57.0 | 13 | * | * | — | * | * | 54 | 50.3 | 57.2 |
| Guam | 7 | * | * | 2 | * | * | 2 | * | * | 4 | * | * |
| American Samoa | — | * | * | — | * | * | — | * | * | — | * | * |
| Northern Marianas | 2 | * | * | 5 | * | * | — | * | * | 1 | * | * |

* Rate does not meet NCHS standards of reliability; see Technical Notes.

— Quantity zero.

¹Death rates are affected by the population composition of the area. Age-adjusted death rates should be used for comparisons between areas; for method of computation, see Technical Notes.

²Excludes data for Puerto Rico, U.S. Virgin Islands, Guam, American Samoa, and Northern Marianas.

³ICD-10 codes for Motor vehicle accidents are 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, and V89.2; see Technical Notes.

⁴Causes of death attributable to alcohol-induced mortality include ICD-10 codes E24.4, F10, G31.2, G62.1, G72.1, I42.6, K29.2, K70, K85.2, K86.0, R78.0, X45,X65, and Y15; see Technical Notes.

⁵Causes of death attributable to drug-induced mortality include ICD-10 codes D52.1, D59.0, D59.2, D61.1, D64.2, E06.4, E16.0, E23.1, E24.2, E27.3, E66.1, F11.1-F11.5, F11.7-F11.9, F12.1-F12.5, F12.7-F12.9, F13.1-F13.5, F13.7-F13.9, F14.1-F14.5, F14.7-F14.9, F15.1-F15.5, F15.7-F15.9, F16.1-F16.5, F16.7-F16.9, F17.3-F17.5, F17.7-F17.9, F18.1-F18.5, F18.7-F18.9, F19.1-F19.5, F19.7-F19.9, G21.1, G24.0, G25.1, G25.4, G25.6, G44.4, G62.0, G72.0, I95.2, J70.2-J70.4, K85.3, L10.5, L27.0-L27.1, M10.2, M32.0, M80.4, M81.4, M83.5, M87.1, R50.2, R78.1-R78.5, X40-X44, X60-X64, X85, and Y10-Y14; see Technical Notes.

⁶ICD-10 codes for Injury by firearms are *U01.4, W32-W34, X72-X74, X93-X95, Y22-Y24, and Y35.0; see Technical Notes.

SOURCE: NCHS, National Vital Statistics System, Mortality.

Table I-17. Number of infant deaths and infant mortality rates for 130 selected causes, by race: United States, 2017

[Rates are infant deaths (under 1 year) per 100,000 live births in specified group. Infant deaths are based on race of decedent; live births are based on race of mother. Asterisks (*) preceding cause-of-death codes indicate they are not part of the *International Classification of Diseases, 10th Revision (ICD-10)*; see Technical Notes in this report]

| Cause of death (based on ICD-10) | Number | | | Rate | | |
|---|------------------------|--------------------|--------------------|------------------------|--------------------|--------------------|
| | All races ¹ | White ² | Black ² | All races ¹ | White ² | Black ² |
| All causes | 22,335 | 13,867 | 7,099 | 579.3 | 485.2 | 1,078.7 |
| Certain infectious and parasitic diseases (A00-B99) | 515 | 294 | 177 | 13.4 | 10.3 | 26.9 |
| Certain intestinal infectious diseases (A00-A08) | 8 | 4 | 1 | * | * | * |
| Diarrhea and gastroenteritis of infectious origin (A09) | 180 | 97 | 69 | 4.7 | 3.4 | 10.5 |
| Tuberculosis (A16-A19) | 1 | 1 | - | * | * | * |
| Tetanus (A33,A35) | - | - | - | * | * | * |
| Diphtheria (A36) | - | - | - | * | * | * |
| Whooping cough (A37) | 5 | 3 | 1 | * | * | * |
| Meningococcal infection (A39) | 4 | 3 | 1 | * | * | * |
| Septicemia (A40-A41) | 147 | 84 | 52 | 3.8 | 2.9 | 7.9 |
| Congenital syphilis (A50) | 7 | 4 | 3 | * | * | * |
| Gonococcal infection (A54) | - | - | - | * | * | * |
| Viral diseases (A80-B34) | 142 | 85 | 43 | 3.7 | 3.0 | 6.5 |
| Acute poliomyelitis (A80) | - | - | - | * | * | * |
| Varicella (chickenpox) (B01) | - | - | - | * | * | * |
| Measles (B05) | - | - | - | * | * | * |
| Human immunodeficiency virus (HIV) disease (B20-B24) | - | - | - | * | * | * |
| Mumps (B26) | - | - | - | * | * | * |
| Other and unspecified viral diseases (A81-B00,B02-B04,B06-B19,B25,B27-B34) | 142 | 85 | 43 | 3.7 | 3.0 | 6.5 |
| Candidiasis (B37) | 1 | 1 | - | * | * | * |
| Malaria (B50-B54) | - | - | - | * | * | * |
| Pneumocystosis (B59) | 2 | 1 | 1 | * | * | * |
| 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) | 18 | 11 | 6 | * | * | * |
| Neoplasms (C00-D48) | 98 | 69 | 18 | 2.5 | 2.4 | * |
| Malignant neoplasms (C00-C97) | 57 | 42 | 9 | 1.5 | 1.5 | * |
| Hodgkin disease and non-Hodgkin lymphomas (C81-C85) | 1 | 1 | - | * | * | * |
| Leukemia (C91-C95) | 19 | 14 | 2 | * | * | * |
| Other and unspecified malignant neoplasms (C00-C80,C88,C90,C96-C97) | 37 | 27 | 7 | 1.0 | 0.9 | * |
| In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior (D00-D48) | 41 | 27 | 9 | 1.1 | 0.9 | * |
| Diseases of the blood and blood-forming organs and certain disorders involving the immune mechanism (D50-D89) | 84 | 55 | 21 | 2.2 | 1.9 | 3.2 |
| Anemias (D50-D64) | 15 | 5 | 5 | * | * | * |
| Hemorrhagic conditions and other diseases of blood and blood-forming organs (D65-D76) | 51 | 36 | 14 | 1.3 | 1.3 | * |
| Certain disorders involving the immune mechanism (D80-D89) | 18 | 14 | 2 | * | * | * |
| Endocrine, nutritional and metabolic diseases (E00-E88) | 185 | 118 | 44 | 4.8 | 4.1 | 6.7 |
| Short stature, not elsewhere classified (E34.3) | 4 | 3 | 1 | * | * | * |
| Nutritional deficiencies (E40-E64) | 6 | 2 | 3 | * | * | * |
| Cystic fibrosis (E84) | 5 | 4 | 1 | * | * | * |
| Volume depletion, disorders of fluid, electrolyte and acid-base balance (E86-E87) | 55 | 33 | 16 | 1.4 | 1.2 | * |
| All other endocrine, nutritional and metabolic diseases (E00-E32,E34.0-E34.2,E34.4-E34.9, E65-E83,E85,E88) | 115 | 76 | 23 | 3.0 | 2.7 | 3.5 |
| Diseases of the nervous system (G00-G98) | 252 | 178 | 51 | 6.5 | 6.2 | 7.7 |
| Meningitis (G00,G03) | 47 | 34 | 10 | 1.2 | 1.2 | * |
| Infantile spinal muscular atrophy, type I (Werdnig-Hoffman) (G12.0) | 3 | 3 | - | * | * | * |
| Infantile cerebral palsy (G80) | 1 | 1 | - | * | * | * |
| Anoxic brain damage, not elsewhere classified (G93.1) | 30 | 18 | 10 | 0.8 | * | * |
| Other diseases of nervous system (G04,G06-G11,G12.1-G12.9,G20-G72,G81-G92,G93.0,G93.2-G93.9,G95-G98) | 171 | 122 | 31 | 4.4 | 4.3 | 4.7 |
| Diseases of the ear and mastoid process (H60-H93) | 4 | 4 | - | * | * | * |
| Diseases of the circulatory system (I00-I99) | 449 | 255 | 150 | 11.6 | 8.9 | 22.8 |

Table I-17. Number of infant deaths and infant mortality rates for 130 selected causes, by race: United States, 2017

[Rates are infant deaths (under 1 year) per 100,000 live births in specified group. Infant deaths are based on race of decedent; live births are based on race of mother. Asterisks (*) preceding cause-of-death codes indicate they are not part of the *International Classification of Diseases, 10th Revision (ICD-10)*; see Technical Notes in this report]

| Cause of death (based on ICD-10) | Number | | | Rate | | |
|---|------------------------|--------------------|--------------------|------------------------|--------------------|--------------------|
| | All races ¹ | White ² | Black ² | All races ¹ | White ² | Black ² |
| Pulmonary heart disease and diseases of pulmonary circulation (I26-I28) | 86 | 47 | 28 | 2.2 | 1.6 | 4.3 |
| Pericarditis, endocarditis and myocarditis (I30,I33,I40) | 12 | 6 | 4 | * | * | * |
| Cardiomyopathy (I42) | 83 | 45 | 27 | 2.2 | 1.6 | 4.1 |
| Cardiac arrest (I46) | 14 | 10 | 4 | * | * | * |
| Cerebrovascular diseases (I60-I69) | 100 | 61 | 35 | 2.6 | 2.1 | 5.3 |
| All other diseases of circulatory system (I00-I25,I31,I34-I38,I44-I45,I47-I51,I70-I99) | 154 | 86 | 52 | 4.0 | 3.0 | 7.9 |
| Diseases of the respiratory system (J00-J98,U04) | 439 | 235 | 175 | 11.4 | 8.2 | 26.6 |
| Acute upper respiratory infections (J00-J06) | 12 | 8 | 2 | * | * | * |
| Influenza and pneumonia (J09-J18) | 157 | 85 | 62 | 4.1 | 3.0 | 9.4 |
| Influenza (J09-J11) | 12 | 6 | 5 | * | * | * |
| Pneumonia (J12-J18) | 145 | 79 | 57 | 3.8 | 2.8 | 8.7 |
| Acute bronchitis and acute bronchiolitis (J20-J21) | 42 | 19 | 18 | 1.1 | * | * |
| Bronchitis, chronic and unspecified (J40-J42) | 11 | 6 | 5 | * | * | * |
| Asthma (J45-J46) | 1 | - | 1 | * | * | * |
| Pneumonitis due to solids and liquids (J69) | 6 | 4 | - | * | * | * |
| Other and unspecified diseases of respiratory system (J22,J30-J39,J43-J44,J47-J68,J70-J98,U04) | 210 | 113 | 87 | 5.4 | 4.0 | 13.2 |
| Diseases of the digestive system (K00-K92) | 169 | 105 | 45 | 4.4 | 3.7 | 6.8 |
| Gastritis, duodenitis, and noninfective enteritis and colitis (K29,K50-K55) | 23 | 14 | 5 | 0.6 | * | * |
| Hernia of abdominal cavity and intestinal obstruction without hernia (K40-K46,K56) | 34 | 22 | 6 | 0.9 | 0.8 | * |
| All other and unspecified diseases of digestive system (K00-K28,K30-K38,K57-K92) | 112 | 69 | 34 | 2.9 | 2.4 | 5.2 |
| Diseases of the genitourinary system (N00-N95) | 101 | 58 | 35 | 2.6 | 2.0 | 5.3 |
| Renal failure and other disorders of kidney (N17-N19,N25,N27) | 73 | 42 | 26 | 1.9 | 1.5 | 4.0 |
| Other and unspecified diseases of genitourinary system (N00-N15,N20-N23,N26,N28-N95) | 28 | 16 | 9 | 0.7 | * | * |
| Certain conditions originating in the perinatal period (P00-P96) | 11,000 | 6,494 | 3,811 | 285.3 | 227.2 | 579.1 |
| Newborn affected by maternal factors and by complications of pregnancy, labor and delivery (P00-P04) | 2,556 | 1,514 | 869 | 66.3 | 53.0 | 132.0 |
| Newborn affected by maternal hypertensive disorders (P00.0) | 56 | 32 | 20 | 1.5 | 1.1 | 3.0 |
| Newborn affected by other maternal conditions which may be unrelated to present pregnancy (P00.1-P00.9) | 87 | 56 | 26 | 2.3 | 2.0 | 4.0 |
| Newborn affected by maternal complications of pregnancy (P01) | 1,432 | 800 | 527 | 37.1 | 28.0 | 80.1 |
| Newborn affected by incompetent cervix (P01.0) | 434 | 202 | 199 | 11.3 | 7.1 | 30.2 |
| Newborn affected by premature rupture of membranes (P01.1) | 729 | 428 | 245 | 18.9 | 15.0 | 37.2 |
| Newborn affected by multiple pregnancy (P01.5) | 110 | 70 | 32 | 2.9 | 2.4 | 4.9 |
| Newborn affected by other maternal complications of pregnancy (P01.2-P01.4,P01.6-P01.9) | 159 | 100 | 51 | 4.1 | 3.5 | 7.7 |
| Newborn affected by complications of placenta, cord and membranes (P02) | 843 | 536 | 256 | 21.9 | 18.8 | 38.9 |
| Newborn affected by complications involving placenta (P02.0-P02.3) | 466 | 321 | 125 | 12.1 | 11.2 | 19.0 |
| Newborn affected by complications involving cord (P02.4-P02.6) | 46 | 34 | 5 | 1.2 | 1.2 | * |
| Newborn affected by chorioamnionitis (P02.7) | 331 | 181 | 126 | 8.6 | 6.3 | 19.1 |
| Newborn affected by other and unspecified abnormalities of membranes (P02.8-P02.9) | - | - | - | * | * | * |
| Newborn affected by other complications of labor and delivery (P03) | 80 | 53 | 21 | 2.1 | 1.9 | 3.2 |
| Newborn affected by noxious influences transmitted via placenta or breast milk (P04) | 58 | 37 | 19 | 1.5 | 1.3 | * |
| Disorders related to length of gestation and fetal malnutrition (P05-P08) | 3,852 | 2,111 | 1,524 | 99.9 | 73.9 | 231.6 |
| Slow fetal growth and fetal malnutrition (P05) | 103 | 58 | 41 | 2.7 | 2.0 | 6.2 |
| Disorders related to short gestation and low birth weight, not elsewhere classified (P07) | 3,749 | 2,053 | 1,483 | 97.2 | 71.8 | 225.3 |
| Extremely low birth weight or extreme immaturity (P07.0,P07.2) | 2,920 | 1,577 | 1,184 | 75.7 | 55.2 | 179.9 |
| Other low birth weight or preterm (P07.1,P07.3) | 829 | 476 | 299 | 21.5 | 16.7 | 45.4 |
| Disorders related to long gestation and high birth weight (P08) | - | - | - | * | * | * |
| Birth trauma (P10-P15) | 12 | 9 | 3 | * | * | * |

Table I-17. Number of infant deaths and infant mortality rates for 130 selected causes, by race: United States, 2017

[Rates are infant deaths (under 1 year) per 100,000 live births in specified group. Infant deaths are based on race of decedent; live births are based on race of mother. Asterisks (*) preceding cause-of-death codes indicate they are not part of the *International Classification of Diseases, 10th Revision (ICD-10)*; see Technical Notes in this report]

| Cause of death (based on ICD-10) | Number | | | Rate | | |
|---|------------------------|--------------------|--------------------|------------------------|--------------------|--------------------|
| | All races ¹ | White ² | Black ² | All races ¹ | White ² | Black ² |
| Intrauterine hypoxia and birth asphyxia (P20-P21) | 328 | 209 | 95 | 8.5 | 7.3 | 14.4 |
| Intrauterine hypoxia (P20) | 165 | 98 | 55 | 4.3 | 3.4 | 8.4 |
| Birth asphyxia (P21) | 163 | 111 | 40 | 4.2 | 3.9 | 6.1 |
| Respiratory distress of newborn (P22) | 440 | 268 | 148 | 11.4 | 9.4 | 22.5 |
| Other respiratory conditions originating in the perinatal period (P23-P28) | 734 | 442 | 246 | 19.0 | 15.5 | 37.4 |
| Congenital pneumonia (P23) | 37 | 23 | 12 | 1.0 | 0.8 | * |
| Neonatal aspiration syndromes (P24) | 48 | 24 | 18 | 1.2 | 0.8 | * |
| Interstitial emphysema and related conditions originating in the perinatal period (P25) | 65 | 44 | 18 | 1.7 | 1.5 | * |
| Pulmonary hemorrhage originating in the perinatal period (P26) | 133 | 77 | 52 | 3.4 | 2.7 | 7.9 |
| Chronic respiratory disease originating in the perinatal period (P27) | 121 | 63 | 52 | 3.1 | 2.2 | 7.9 |
| Atelectasis (P28.0-P28.1) | 257 | 161 | 77 | 6.7 | 5.6 | 11.7 |
| All other respiratory conditions originating in the perinatal period (P28.2-P28.9) | 73 | 50 | 17 | 1.9 | 1.7 | * |
| Infections specific to the perinatal period (P35-P39) | 761 | 461 | 244 | 19.7 | 16.1 | 37.1 |
| Bacterial sepsis of newborn (P36) | 592 | 346 | 195 | 15.4 | 12.1 | 29.6 |
| Omphalitis of newborn with or without mild hemorrhage (P38) | - | - | - | * | * | * |
| All other infections specific to the perinatal period (P35,P37,P39) | 169 | 115 | 49 | 4.4 | 4.0 | 7.4 |
| Hemorrhagic and hematological disorders of newborn (P50-P61) | 498 | 349 | 119 | 12.9 | 12.2 | 18.1 |
| Neonatal hemorrhage (P50-P52,P54) | 379 | 270 | 86 | 9.8 | 9.4 | 13.1 |
| Hemorrhagic disease of newborn (P53) | - | - | - | * | * | * |
| Hemolytic disease of newborn due to isoimmunization and other perinatal jaundice (P55-P59) | 11 | 10 | 1 | * | * | * |
| Hematological disorders (P60-P61) | 108 | 69 | 32 | 2.8 | 2.4 | 4.9 |
| Syndrome of infant of a diabetic mother and neonatal diabetes mellitus (P70.0-P70.2) | 14 | 10 | 3 | * | * | * |
| Necrotizing enterocolitis of newborn (P77) | 338 | 192 | 127 | 8.8 | 6.7 | 19.3 |
| Hydrops fetalis not due to hemolytic disease (P83.2) | 165 | 124 | 33 | 4.3 | 4.3 | 5.0 |
| Other perinatal conditions (P29,P70.3-P70.9,P71-P76,P78-P81,P83.0-P83.1,P83.3-P83.9,P90-P96) | 1,302 | 805 | 400 | 33.8 | 28.2 | 60.8 |
| Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99) | 4,580 | 3,375 | 938 | 118.8 | 118.1 | 142.5 |
| Anencephaly and similar malformations (Q00) | 315 | 267 | 33 | 8.2 | 9.3 | 5.0 |
| Congenital hydrocephalus (Q03) | 62 | 39 | 19 | 1.6 | 1.4 | * |
| Spina bifida (Q05) | 15 | 9 | 5 | * | * | * |
| Other congenital malformations of nervous system (Q01-Q02,Q04,Q06-Q07) | 271 | 209 | 48 | 7.0 | 7.3 | 7.3 |
| Congenital malformations of heart (Q20-Q24) | 1,029 | 754 | 204 | 26.7 | 26.4 | 31.0 |
| Other congenital malformations of circulatory system (Q25-Q28) | 150 | 103 | 41 | 3.9 | 3.6 | 6.2 |
| Congenital malformations of respiratory system (Q30-Q34) | 369 | 268 | 84 | 9.6 | 9.4 | 12.8 |
| Congenital malformations of digestive system (Q35-Q45) | 71 | 53 | 13 | 1.8 | 1.9 | * |
| Congenital malformations of genitourinary system (Q50-Q64) | 427 | 325 | 76 | 11.1 | 11.4 | 11.5 |
| Congenital malformations and deformations of musculoskeletal system, limbs and integument (Q65-Q85) | 507 | 372 | 113 | 13.2 | 13.0 | 17.2 |
| Down syndrome (Q90) | 56 | 36 | 15 | 1.5 | 1.3 | * |
| Edward syndrome (Q91.0-Q91.3) | 434 | 322 | 90 | 11.3 | 11.3 | 13.7 |
| Patau syndrome (Q91.4-Q91.7) | 265 | 180 | 72 | 6.9 | 6.3 | 10.9 |
| Other congenital malformations and deformations (Q10-Q18,Q86-Q89) | 488 | 355 | 97 | 12.7 | 12.4 | 14.7 |
| Other chromosomal abnormalities, not elsewhere classified (Q92-Q99) | 121 | 83 | 28 | 3.1 | 2.9 | 4.3 |
| Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified (R00-R99) | 2,692 | 1,591 | 986 | 69.8 | 55.7 | 149.8 |
| Sudden infant death syndrome (R95) | 1,363 | 815 | 492 | 35.4 | 28.5 | 74.8 |
| Other symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified (R00-R53,R55-R94,R96-R99) | 1,329 | 776 | 494 | 34.5 | 27.2 | 75.1 |
| All other diseases (residual) | 20 | 13 | 6 | 0.5 | * | * |
| External causes of mortality (*U01,V01-Y84) | 1,747 | 1,023 | 642 | 45.3 | 35.8 | 97.6 |
| Accidents (unintentional injuries) (V01-X59) | 1,317 | 772 | 478 | 34.2 | 27.0 | 72.6 |
| Transport accidents (V01-V99) | 91 | 59 | 29 | 2.4 | 2.1 | 4.4 |

Table I-17. Number of infant deaths and infant mortality rates for 130 selected causes, by race: United States, 2017

[Rates are infant deaths (under 1 year) per 100,000 live births in specified group. Infant deaths are based on race of decedent; live births are based on race of mother. Asterisks (*) preceding cause-of-death codes indicate they are not part of the *International Classification of Diseases, 10th Revision (ICD-10)*; see Technical Notes in this report]

| Cause of death (based on ICD-10) | Number | | | Rate | | |
|--|------------------------|--------------------|--------------------|------------------------|--------------------|--------------------|
| | All races ¹ | White ² | Black ² | All races ¹ | White ² | Black ² |
| 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) | 91 | 59 | 29 | 2.4 | 2.1 | 4.4 |
| 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) | - | - | - | * | * | * |
| Falls (W00-W19) | 13 | 10 | 3 | * | * | * |
| Accidental discharge of firearms (W32-W34) | 1 | - | 1 | * | * | * |
| Accidental drowning and submersion (W65-W74) | 43 | 23 | 14 | 1.1 | 0.8 | * |
| Accidental suffocation and strangulation in bed (W75) | 949 | 539 | 364 | 24.6 | 18.9 | 55.3 |
| Other accidental suffocation and strangulation (W76-W77,W81-W84) | 115 | 70 | 40 | 3.0 | 2.4 | 6.1 |
| Accidental inhalation and ingestion of food or other objects causing obstruction of respiratory tract (W78-W80) | 42 | 20 | 18 | 1.1 | 0.7 | * |
| Accidents caused by exposure to smoke, fire and flames (X00-X09) | 15 | 13 | 2 | * | * | * |
| Accidental poisoning and exposure to noxious substances (X40-X49) | 9 | 7 | 2 | * | * | * |
| Other and unspecified accidents (W20-W31,W35-W64,W85-W99,X10-X39,X50-X59) | 39 | 31 | 5 | 1.0 | 1.1 | * |
| Assault (homicide) (*U01,X85-Y09) | 302 | 168 | 124 | 7.8 | 5.9 | 18.8 |
| Assault (homicide) by hanging, strangulation and suffocation (X91) | 26 | 21 | 4 | 0.7 | 0.7 | * |
| Assault (homicide) by discharge of firearms (*U01.4,X93-X95) | 12 | 4 | 7 | * | * | * |
| Neglect, abandonment and other maltreatment syndromes (Y06-Y07) | 76 | 45 | 30 | 2.0 | 1.6 | 4.6 |
| Assault (homicide) by other and unspecified means (*U01.0-*U01.3,*U01.5-*U01.9,X85-X90,X92,X96-X99,Y00-Y05,Y08-Y09) | 188 | 98 | 83 | 4.9 | 3.4 | 12.6 |
| Complications of medical and surgical care (Y40-Y84) | 14 | 12 | 2 | * | * | * |
| Other external causes (Y10-Y36) | 114 | 71 | 38 | 3.0 | 2.5 | 5.8 |

* Rate does not meet NCHS standards of reliability; see Technical Notes.

- Quantity zero.

¹Includes races other than white and black.

²Race categories are consistent with 1977 Office of Management and Budget (OMB) standards. In 2017, multiple-race data were reported by 50 states and the District of Columbia (D.C.) for deaths and by 50 states and D.C. for births; see Technical Notes. Multiple-race data for these reporting areas were bridged to the single-race categories of 1977 OMB standards for comparability with other reporting areas; see Technical Notes.

SOURCE: NCHS, National Vital Statistics System, Mortality.

Table I-18. Estimated population and standard errors for specified Hispanic-origin populations, by 10-year age group and sex: United States, 2017

[Population estimates for Mexican, Puerto Rican, Cuban, Central American, South American, Dominican, and Other and unknown Hispanic are based on the American Community Survey adjusted to resident population control totals. The control totals are postcensal estimates for the United States for July 1, 2017; see Technical Notes in this report. Population estimates for Hispanic total (see Table III in this report) are based on the 2010 census, estimated as of July 1, 2017. Population estimates by specified Hispanic origin in this table may not add to population estimates for total Hispanic in Table III. Standard errors are shown in parentheses below each population estimate]

| Hispanic origin and sex | Age group (years) | | | | | | | | | | | |
|-------------------------|------------------------|--------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|--------------------|--------------------|
| | All ages | Under 1 | 1-4 | 5-14 | 15-24 | 25-34 | 35-44 | 45-54 | 55-64 | 65-74 | 75-84 | 85 and over |
| Mexican | 36,668,010 (56,510) | 615,560 (8,545) | 2,761,000 (14,133) | 7,089,705 (25,665) | 6,410,710 (20,110) | 5,720,140 (21,708) | 5,219,215 (24,590) | 4,069,180 (18,158) | 2,618,180 (16,295) | 1,358,865 (10,824) | 590,025 (7,002) | 215,430 (4,501) |
| Male | 18,671,540 (40,900) | 311,950 (6,423) | 1,409,645 (9,982) | 3,609,820 (18,378) | 3,282,010 (14,396) | 2,998,260 (15,685) | 2,698,375 (18,323) | 2,080,900 (13,512) | 1,308,675 (11,756) | 639,325 (7,373) | 252,030 (4,626) | 80,550 (2,937) |
| Female | 17,996,470 (38,995) | 303,610 (5,636) | 1,351,355 (10,005) | 3,479,885 (17,915) | 3,128,700 (14,042) | 2,721,880 (15,007) | 2,520,840 (16,399) | 1,988,280 (12,130) | 1,309,505 (11,284) | 719,540 (7,924) | 337,995 (5,256) | 134,880 (3,411) |
| Puerto Rican | 5,588,655 (26,615) | 88,015 (3,958) | 382,090 (7,552) | 943,675 (11,790) | 916,220 (10,313) | 865,610 (10,512) | 750,595 (10,165) | 654,735 (8,474) | 496,155 (7,429) | 298,775 (5,439) | 145,715 (3,928) | 47,070 (2,112) |
| Male | 2,777,730 (19,062) | 44,470 (2,724) | 194,340 (5,668) | 482,600 (8,445) | 476,850 (7,292) | 442,650 (8,017) | 376,400 (7,178) | 319,440 (6,184) | 234,365 (4,963) | 132,885 (3,569) | 57,145 (2,494) | 16,585 (1,304) |
| Female | 2,810,925 (18,575) | 43,545 (2,871) | 187,750 (4,991) | 461,075 (8,227) | 439,370 (7,293) | 422,960 (6,799) | 374,195 (7,198) | 335,295 (5,794) | 261,790 (5,528) | 165,890 (4,105) | 88,570 (3,034) | 30,485 (1,661) |
| Cuban | 2,315,860 (17,167) | 29,725 (2,069) | 112,285 (3,634) | 251,540 (6,255) | 279,755 (5,694) | 335,540 (6,855) | 302,165 (6,794) | 360,830 (6,574) | 269,555 (5,421) | 179,550 (4,219) | 135,560 (3,939) | 59,355 (2,569) |
| Male | 1,165,870 (12,226) | 12,670 (1,297) | 57,710 (2,475) | 128,155 (4,615) | 144,250 (3,998) | 170,740 (4,863) | 160,260 (5,143) | 193,970 (4,751) | 136,330 (3,829) | 83,465 (2,927) | 57,070 (2,585) | 21,250 (1,349) |
| Female | 1,149,990 (12,050) | 17,055 (1,612) | 54,575 (2,661) | 123,385 (4,222) | 135,505 (4,054) | 164,800 (4,830) | 141,905 (4,440) | 166,860 (4,545) | 133,225 (3,837) | 96,085 (3,039) | 78,490 (2,973) | 38,105 (2,186) |
| Central American | 5,562,320 (27,858) | 89,280 (3,690) | 404,470 (7,544) | 925,550 (11,216) | 871,310 (11,236) | 995,105 (11,511) | 936,815 (12,583) | 650,650 (9,367) | 409,965 (6,795) | 181,885 (4,218) | 71,055 (2,729) | 26,235 (1,858) |
| Male | 2,846,845 (20,330) | 44,255 (2,508) | 206,340 (5,542) | 474,735 (7,847) | 460,865 (8,494) | 543,595 (8,785) | 493,325 (9,283) | 332,745 (6,828) | 188,665 (4,668) | 72,520 (2,756) | 23,655 (1,566) | 6,145 (883) |
| Female | 2,715,475 (19,046) | 45,025 (2,707) | 198,130 (5,119) | 450,815 (8,014) | 410,445 (7,355) | 451,510 (7,439) | 443,490 (8,495) | 317,905 (6,413) | 221,300 (4,938) | 109,365 (3,193) | 47,400 (2,235) | 20,090 (1,635) |
| South American | 3,721,155 (22,132) | 46,015 (2,575) | 195,015 (5,613) | 470,535 (8,257) | 499,175 (8,162) | 568,315 (8,673) | 608,315 (9,411) | 544,415 (7,937) | 415,680 (7,110) | 223,995 (4,721) | 111,605 (3,544) | 38,090 (2,169) |
| Male | 1,780,710 (15,613) | 22,875 (1,619) | 101,930 (3,971) | 238,815 (6,066) | 250,875 (5,787) | 283,775 (6,367) | 291,040 (6,736) | 249,275 (5,302) | 187,205 (4,821) | 97,310 (3,320) | 45,230 (2,290) | 12,380 (1,249) |
| Female | 1,940,445 (15,686) | 23,140 (2,003) | 93,085 (3,967) | 231,720 (5,602) | 248,300 (5,756) | 284,540 (5,889) | 317,275 (6,573) | 295,140 (5,906) | 228,475 (5,225) | 126,685 (3,356) | 66,375 (2,704) | 25,710 (1,774) |

Table I-18. Estimated population and standard errors for specified Hispanic-origin populations, by 10-year age group and sex: United States, 2017

[Population estimates for Mexican, Puerto Rican, Cuban, Central American, South American, Dominican, and Other and unknown Hispanic are based on the American Community Survey adjusted to resident population control totals. The control totals are postcensal estimates for the United States for July 1, 2017; see Technical Notes in this report. Population estimates for Hispanic total (see Table III in this report) are based on the 2010 census, estimated as of July 1, 2017. Population estimates by specified Hispanic origin in this table may not add to population estimates for total Hispanic in Table III. Standard errors are shown in parentheses below each population estimate]

| Hispanic origin and sex | Age group (years) | | | | | | | | | | | |
|----------------------------|-----------------------|-------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|-------------------|
| | All ages | Under 1 | 1-4 | 5-14 | 15-24 | 25-34 | 35-44 | 45-54 | 55-64 | 65-74 | 75-84 | 85 and over |
| Dominican | 2,081,415 (17,063) | 38,630 (2,739) | 147,510 (4,989) | 318,455 (6,770) | 339,775 (6,931) | 347,465 (6,898) | 289,930 (6,486) | 250,380 (5,504) | 184,535 (4,892) | 110,440 (3,731) | 36,485 (2,121) | 17,810 (1,612) |
| Male | 996,225 (12,173) | 22,260 (1,974) | 75,310 (3,885) | 165,535 (5,109) | 178,625 (4,930) | 168,510 (4,913) | 131,190 (4,666) | 108,110 (3,624) | 82,545 (3,417) | 44,755 (2,404) | 13,945 (1,263) | 5,440 (837) |
| Female | 1,085,190 (11,957) | 16,370 (1,898) | 72,200 (3,130) | 152,920 (4,442) | 161,150 (4,871) | 178,955 (4,842) | 158,740 (4,506) | 142,270 (4,142) | 101,990 (3,501) | 65,685 (2,854) | 22,540 (1,704) | 12,370 (1,378) |
| Other and unknown Hispanic | 2,908,670 (18,569) | 36,740 (2,077) | 177,970 (5,041) | 458,060 (7,770) | 473,305 (7,671) | 409,615 (6,959) | 366,875 (6,621) | 347,695 (6,527) | 304,060 (5,282) | 193,355 (4,465) | 100,725 (3,058) | 40,270 (1,946) |
| Male | 1,479,380 (13,609) | 19,180 (1,549) | 89,325 (3,853) | 242,785 (5,816) | 250,320 (5,567) | 223,975 (5,096) | 190,635 (4,753) | 176,255 (5,126) | 141,450 (3,668) | 88,690 (3,122) | 43,260 (2,008) | 13,505 (1,043) |
| Female | 1,429,290 (12,633) | 17,560 (1,385) | 88,645 (3,251) | 215,275 (5,153) | 222,985 (5,279) | 185,640 (4,739) | 176,240 (4,608) | 171,440 (4,039) | 162,610 (3,801) | 104,665 (3,193) | 57,465 (2,306) | 26,765 (1,643) |

SOURCE: Population estimates are based on unpublished tabulations prepared by the U.S. Census Bureau, American Community Survey, 2017 1-Year.

Table I-19. Estimated population and standard errors for ages 15 and over, by marital status, 10-year age group, and sex: United States, 2017

[Population estimates are based on the American Community Survey adjusted to resident population control totals. The control totals are postcensal estimates for the United States for July 1, 2017; see Technical Notes in this report. Standard errors are shown in parentheses below each population estimate]

| Marital status and sex | Age group (years) | | | | | | | |
|------------------------|--------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|
| | 15 and over | 15-24 | 25-34 | 35-44 | 45-54 | 55-64 | 65-74 | 75 and over |
| Total | 264,697,300 (136,631) | 43,447,210 (40,065) | 44,965,730 (58,418) | 41,117,910 (65,475) | 42,330,955 (52,902) | 42,019,775 (53,930) | 29,731,880 (44,493) | 21,083,840 (40,944) |
| Never married | 89,095,640 (73,367) | 40,864,400 (35,945) | 24,295,555 (38,146) | 9,939,665 (34,638) | 6,476,975 (26,962) | 4,620,105 (21,219) | 1,954,640 (12,986) | 944,300 (9,478) |
| Ever married | 175,601,660 (115,262) | 2,582,810 (17,695) | 20,670,175 (44,245) | 31,178,245 (55,563) | 35,853,980 (45,516) | 37,399,670 (49,580) | 27,777,240 (42,555) | 20,139,540 (39,832) |
| Married | 131,634,695 (96,491) | 2,417,605 (17,115) | 18,531,970 (41,284) | 26,267,775 (50,409) | 27,898,965 (36,733) | 27,543,045 (39,848) | 19,100,580 (32,798) | 9,874,755 (27,556) |
| Widowed | 15,146,720 (36,185) | 21,065 (1,570) | 93,690 (3,138) | 260,115 (5,957) | 776,905 (9,537) | 2,125,775 (14,771) | 3,827,240 (18,445) | 8,041,930 (24,742) |
| Divorced | 28,820,245 (51,627) | 144,140 (4,208) | 2,044,515 (15,601) | 4,650,355 (22,598) | 7,178,110 (25,128) | 7,730,850 (25,536) | 4,849,420 (19,876) | 2,222,855 (14,664) |
| Male | 129,185,805 (95,085) | 22,283,995 (28,132) | 22,744,325 (42,926) | 20,471,735 (45,773) | 20,890,890 (38,553) | 20,274,405 (36,830) | 13,891,165 (29,259) | 8,629,290 (24,758) |
| Never married | 47,653,955 (54,214) | 21,280,850 (25,651) | 13,462,405 (28,741) | 5,533,420 (26,393) | 3,587,795 (20,550) | 2,476,250 (14,970) | 949,390 (9,063) | 363,845 (5,479) |
| Ever married | 81,531,850 (78,115) | 1,003,145 (11,552) | 9,281,920 (31,883) | 14,938,315 (37,398) | 17,303,095 (32,620) | 17,798,155 (33,651) | 12,941,775 (27,820) | 8,265,445 (24,145) |
| Married | 65,818,375 (68,006) | 938,490 (11,222) | 8,380,340 (30,257) | 12,805,265 (34,525) | 13,875,810 (26,852) | 13,838,610 (27,252) | 10,141,735 (23,048) | 5,838,125 (19,911) |
| Widowed | 3,354,155 (17,327) | 8,450 (1,035) | 30,775 (1,866) | 73,790 (3,431) | 215,530 (5,359) | 524,030 (7,458) | 840,750 (8,841) | 1,660,830 (11,017) |
| Divorced | 12,359,320 (34,307) | 56,205 (2,538) | 870,805 (9,878) | 2,059,260 (13,959) | 3,211,755 (17,729) | 3,435,515 (18,278) | 1,959,290 (12,829) | 766,490 (8,069) |
| Female | 135,511,495 (98,116) | 21,163,215 (28,526) | 22,221,405 (39,624) | 20,646,175 (46,817) | 21,440,065 (36,225) | 21,745,370 (39,395) | 15,840,715 (33,519) | 12,454,550 (32,610) |
| Never married | 41,441,685 (49,432) | 19,583,550 (25,181) | 10,833,150 (25,081) | 4,406,245 (22,432) | 2,889,180 (17,454) | 2,143,855 (15,038) | 1,005,250 (9,301) | 580,455 (7,734) |
| Ever married | 94,069,810 (84,755) | 1,579,665 (13,403) | 11,388,255 (30,677) | 16,239,930 (41,092) | 18,550,885 (31,743) | 19,601,515 (36,411) | 14,835,465 (32,203) | 11,874,095 (31,680) |
| Married | 65,816,320 (68,453) | 1,479,115 (12,922) | 10,151,630 (28,087) | 13,462,510 (36,729) | 14,023,155 (25,065) | 13,704,435 (29,073) | 8,958,845 (23,334) | 4,036,630 (19,050) |
| Widowed | 11,792,565 (31,767) | 12,615 (1,182) | 62,915 (2,522) | 186,325 (4,870) | 561,375 (7,889) | 1,601,745 (12,750) | 2,986,490 (16,188) | 6,381,100 (22,154) |
| Divorced | 16,460,925 (38,580) | 87,935 (3,356) | 1,173,710 (12,076) | 2,591,095 (17,771) | 3,966,355 (17,808) | 4,295,335 (17,833) | 2,890,130 (15,181) | 1,456,365 (12,244) |

SOURCE: Population estimates are based on unpublished tabulations prepared by the U.S. Census Bureau, American Community Survey, 2017 1-Year.

Table I-20. Estimated population and standard errors for ages 25–64, by educational attainment and sex: Total of 49 reporting states and the District of Columbia using the 2003 version of the U.S. Standard Certificate of Death, 2017

[Excludes data for West Virginia; see Technical Notes in this report. Population estimates are based on the American Community Survey adjusted to postcensal July 1, 2017, resident population control totals for reporting areas; see Technical Notes. Standard errors are shown in parentheses below each population estimate]

| Education level and sex | Age group (years) | | | | |
|--------------------------------------|--------------------------|------------------------|------------------------|------------------------|------------------------|
| | 25–64 | 25–34 | 35–44 | 45–54 | 55–64 |
| All races | | | | | |
| Both sexes | 169,505,544 (126,151) | 44,757,135 (67,187) | 40,897,250 (65,773) | 42,093,169 (59,896) | 41,757,990 (59,046) |
| Less than high school diploma or GED | 18,574,909 (45,818) | 4,063,705 (22,469) | 4,743,485 (24,477) | 4,949,559 (22,472) | 4,818,160 (22,144) |
| High school diploma or GED | 43,836,000 (64,020) | 10,745,770 (33,011) | 9,612,105 (33,025) | 11,283,215 (30,349) | 12,194,910 (31,579) |
| Some college or collegiate degree | 107,094,635 (98,571) | 29,947,660 (54,033) | 26,541,660 (51,345) | 25,860,395 (46,492) | 24,744,920 (44,709) |
| Male | 83,918,480 (89,906) | 22,639,020 (48,403) | 20,360,835 (47,084) | 20,771,935 (42,640) | 20,146,690 (41,293) |
| Less than high school diploma or GED | 10,194,355 (34,155) | 2,356,480 (17,148) | 2,630,920 (18,471) | 2,700,040 (16,623) | 2,506,915 (15,968) |
| High school diploma or GED | 23,821,830 (47,591) | 6,224,930 (24,988) | 5,432,460 (25,083) | 6,050,975 (22,422) | 6,113,465 (22,553) |
| Some college or collegiate degree | 49,902,295 (68,203) | 14,057,610 (37,741) | 12,297,455 (35,307) | 12,020,920 (32,235) | 11,526,310 (30,684) |
| Female | 85,587,064 (88,493) | 22,118,115 (46,596) | 20,536,415 (45,926) | 21,321,234 (42,064) | 21,611,300 (42,206) |
| Less than high school diploma or GED | 8,380,554 (30,541) | 1,707,225 (14,519) | 2,112,565 (16,061) | 2,249,519 (15,122) | 2,311,245 (15,342) |
| High school diploma or GED | 20,014,170 (42,821) | 4,520,840 (21,570) | 4,179,645 (21,483) | 5,232,240 (20,452) | 6,081,445 (22,104) |
| Some college or collegiate degree | 57,192,340 (71,166) | 15,890,050 (38,667) | 14,244,205 (37,279) | 13,839,475 (33,502) | 13,218,610 (32,517) |

NOTE: GED is General Educational Development high school equivalency diploma.

SOURCE: Population estimates are based on unpublished tabulations prepared by the U.S. Census Bureau, American Community Survey, 2017 1-Year.