

Deaths: Final Data for 2016

Supplemental Technical Notes for Internet Tables I–4 through I–9 and I–18 through I–20

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Supplemental Technical Notes for Internet Tables I–4 through I–9 and I–18 through I–20

This addendum to the [Technical Notes](#) for “Deaths: Final Data for 2016” (available from: https://www.cdc.gov/nchs/data/nvsr/nvsr67/nvsr67_05.pdf) provides additional information specific to Supplemental [Tables I–4](#) through [I–9](#) and [I–18](#) through [I–20](#).

Hispanic subgroup

Mortality data for 2016 by specified Hispanic subgroup for the United States are presented in [Table I–4](#). Hispanic subgroups shown in the table include Mexican, Puerto Rican, Cuban, Central and 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 on the Central and South American and Other Hispanic origin populations are affected by whether a state submits literal text to the National Center for Health Statistics, thereby making it possible to identify decedents as being of Central and South American origin. Before 2008, decedents identified as “Dominican” were classified as Central and South American. From 2008 through 2014, Dominican decedents were included among “Other and unknown Hispanic” and no longer counted among Central and South American decedents. Starting in 2015, Dominican, Central American, and South American were identified separately.

Marital status

Mortality data for 2016 by marital status for the United States 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 2016 by educational attainment for reporting states are presented in [Table I–6](#). Beginning in 2003, some registration areas adopted the new U.S. 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 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 2016, 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.

Because the educational attainment item on the revised and unrevised versions are not fully comparable, data by educational attainment are shown separately according to the revision status of the decedent’s state of occurrence. [Table I–6](#) shows mortality data for ages 25–64 by educational attainment for the 49 states and the District of Columbia that used the 2003 version of the standard death certificate in 2016 and, separately, for West Virginia, which continued to use the 1989 version of the certificate. 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.

Rates by educational attainment for West Virginia are affected by differences between measurement of education for the numerator, which is based on the number of years of education completed as reported on the 1989 revision of the death certificate, and the denominator, which is based on highest degree completed as reported in the Census Bureau’s American Community Survey (ACS) (6).

[Table I–7](#) shows a 2002 to 2016 comparison of the percent distribution of deaths by measures of educational attainment for areas using the 2003 revised certificate in 2016 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, therefore, do not have comparison data. West Virginia is excluded because the state was still using the 1989 revision in 2016.

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 the [Technical Notes](#) of “Deaths: Final Data for 2016” (available from: https://www.cdc.gov/nchs/data/nvsr/nvsr67/nvsr67_05.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 in [Table I-18](#) for specified Hispanic populations (Mexican, Puerto Rican, Cuban, Central and 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 2016 1-year 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, 2016. The control totals used for population estimates in [Table I-20](#) are 2010-based postcensal estimates for July 1, 2016, for the District of Columbia and 49 states that reported mortality data by educational attainment using the 2003 version of the U.S. Standard Certificate of Death, and for one state (West Virginia) that reported using the 1989 version.

Previously, population estimates based on the Census Bureau’s 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 2016 are shown for 5-year age groups by race and Hispanic origin in [Table III](#) of the [Technical Notes](#) for “Deaths: Final Data for 2016” (available from: https://www.cdc.gov/nchs/data/nvsr/nvsr67/nvsr67_05.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](#) through [I-6](#) were computed using population estimates from the 2016 1-year ACS (6) (for additional detail, see “Population bases for computing rates” section). Population estimates used for computing age-specific rates in [Tables I-8](#) and [I-9](#) were computed using U.S. 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 [Technical Notes](#) for “Deaths: Final Data for 2016,” available from: https://www.cdc.gov/nchs/data/nvsr/nvsr67/nvsr67_05.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 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 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 2010–2016 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 and 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 2016 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 (SE) is calculated as:

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

For age-adjusted death rates (R')

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

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 and 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](#) through [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 through 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](#) for “Deaths: Final Data for 2016,” available from: https://www.cdc.gov/nchs/data/nvsr/nvsr67/nvsr67_05.pdf).

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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, 1999–2016

[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. 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, Tenth 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																	
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, 1999–2016—Con.

[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. 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, Tenth 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																	
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

See footnotes at end of table.

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, 1999–2016—Con.

[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. 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, Tenth 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																	
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 49 states and the District of Columbia (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, 1999–2016

[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. 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, Tenth 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																	
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

See footnotes at end of table.

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, 1999–2016—Con.

[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. 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, Tenth 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																	
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

See footnotes at end of table.

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, 1999–2016—Con.

[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. 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, Tenth 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																	
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 49 states and the District of Columbia (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.

SOURCE: NCHS, National Vital Statistics System, Mortality.

Table I-3. Number of deaths, death rates, and age-adjusted death rates for injury by firearms, by race and Hispanic origin and sex: United States, 1999–2016

[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. 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, Tenth 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																	
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
Year	Rate																	
	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female
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

See footnotes at end of table.

Table I-3. Number of deaths, death rates, and age-adjusted death rates for injury by firearms, by race and Hispanic origin and sex: United States, 1999–2016—Con.

[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. 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, Tenth 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—Con.																	
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
	Age-adjusted rate ⁵																	
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 49 states and the District of Columbia (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 injury by firearms 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, 2016

[Rates are per 100,000 population in specified group; age-adjusted rates are per 100,000 U.S. standard population; see Technical Notes. 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, 2016; populations used for computing death rates for Mexican, Puerto Rican, Cuban, Central and South American, Dominican, and Other and unknown Hispanic are estimates based on the 2016 1-year American Community Survey adjusted to control totals. The control totals are 2010-based postcensal estimates for the United States for July 1, 2016; 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	All ages	Age group (years)											Age not stated	Age-adjusted rate ²
		Under 1 year 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	2,744,248	23,161	4,045	5,503	32,575	57,616	77,792	173,516	366,445	512,080	636,916	854,462	137	...
Male	1,400,232	12,867	2,256	3,141	24,013	40,257	49,215	105,086	222,384	292,742	324,819	323,355	97	...
Female	1,344,016	10,294	1,789	2,362	8,562	17,359	28,577	68,430	144,061	219,338	312,097	531,107	40	...
Hispanic	188,254	4,817	799	1,164	5,722	8,195	10,272	17,753	27,587	31,550	38,106	42,276	13	...
Male	103,532	2,678	443	641	4,304	6,059	6,947	11,551	17,416	18,211	18,848	16,425	9	...
Female	84,722	2,139	356	523	1,418	2,136	3,325	6,202	10,171	13,339	19,258	25,851	4	...
Mexican	104,270	2,945	523	772	3,761	4,848	6,098	10,549	16,163	17,864	19,650	21,088	9	...
Male	59,053	1,643	283	433	2,853	3,584	4,132	6,942	10,321	10,411	9,859	8,586	6	...
Female	45,217	1,302	240	339	908	1,264	1,966	3,607	5,842	7,453	9,791	12,502	3	...
Puerto Rican	23,737	480	62	82	467	946	1,388	2,385	3,597	4,370	5,113	4,846	1	...
Male	12,818	253	41	45	327	691	926	1,551	2,287	2,500	2,439	1,757	1	...
Female	10,919	227	21	37	140	255	462	834	1,310	1,870	2,674	3,089	-	...
Cuban	16,481	95	10	18	129	223	280	773	1,462	2,249	4,593	6,649	-	...
Male	8,386	52	5	8	99	168	188	515	975	1,340	2,392	2,644	-	...
Female	8,095	43	5	10	30	55	92	258	487	909	2,201	4,005	-	...
Central and South American	18,135	462	80	125	622	972	1,171	1,683	2,524	2,958	3,652	3,885	1	...
Male	9,491	263	44	68	493	754	834	1,039	1,450	1,588	1,681	1,276	1	...
Female	8,644	199	36	57	129	218	337	644	1,074	1,370	1,971	2,609	-	...
Dominican	4,615	104	18	23	128	198	206	383	686	826	981	1,062	-	...
Male	2,303	62	11	14	91	147	132	230	371	460	433	352	-	...
Female	2,312	42	7	9	37	51	74	153	315	366	548	710	-	...
Other and unknown Hispanic	21,016	731	106	144	615	1,008	1,129	1,980	3,155	3,283	4,117	4,746	2	...
Male	11,481	405	59	73	441	715	735	1,274	2,012	1,912	2,044	1,810	1	...
Female	9,535	326	47	71	174	293	394	706	1,143	1,371	2,073	2,936	1	...

See footnotes at end of table.

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, 2016—Con.

[Rates are per 100,000 population in specified group; age-adjusted rates are per 100,000 U.S. standard population; see Technical Notes. 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, 2016; populations used for computing death rates for Mexican, Puerto Rican, Cuban, Central and South American, Dominican, and Other and unknown Hispanic are estimates based on the 2016 1-year American Community Survey adjusted to control totals. The control totals are 2010-based postcensal estimates for the United States for July 1, 2016; 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	All ages	Age group (years)										Age not stated	Age-adjusted rate ²	
		Under 1 year ¹	1–4	5–14	15–24	25–34	35–44	45–54	55–64	65–74	75–84			85 and over
		Number—Con.												
Non-Hispanic ³	2,547,103	18,148	3,236	4,324	26,780	49,238	67,239	154,930	336,992	478,444	597,232	810,468	72	...
Male	1,291,284	10,080	1,806	2,493	19,654	34,072	42,089	92,960	203,615	273,155	305,070	306,244	46	...
Female	1,255,819	8,068	1,430	1,831	7,126	15,166	25,150	61,970	133,377	205,289	292,162	504,224	26	...
White ⁴	2,133,463	10,046	1,978	2,781	17,515	35,222	48,409	116,634	262,230	395,154	514,552	728,886	56	...
Male	1,077,362	5,622	1,113	1,625	12,645	24,293	30,522	70,971	160,050	227,014	265,420	278,054	33	...
Female	1,056,101	4,424	865	1,156	4,870	10,929	17,887	45,663	102,180	168,140	249,132	450,832	23	...
Black ⁴	326,810	6,863	1,016	1,233	7,703	11,512	15,195	31,638	62,821	67,628	63,074	58,116	11	...
Male	168,750	3,746	575	701	5,909	8,106	9,316	18,033	36,501	37,301	29,653	18,901	8	...
Female	158,060	3,117	441	532	1,794	3,406	5,879	13,605	26,320	30,327	33,421	39,215	3	...
Origin not stated ⁵	8,891	196	10	15	73	183	281	833	1,866	2,086	1,578	1,718	52	...
Male	5,416	109	7	7	55	126	179	575	1,353	1,376	901	686	42	...
Female	3,475	87	3	8	18	57	102	258	513	710	677	1,032	10	...
		Rate ⁶												
All origins ⁷	849.3	583.4	25.3	13.4	74.9	129.0	192.2	405.5	883.8	1,788.6	4,474.8	13,392.1	...	728.8
Male	880.2	633.7	27.7	15.0	107.7	178.1	244.2	497.9	1,112.0	2,186.1	5,258.6	14,533.8	...	861.0
Female	819.3	530.7	22.9	11.8	40.4	78.6	140.7	315.6	671.2	1,439.3	3,873.8	12,780.9	...	617.5
Hispanic	327.6	469.8	19.4	11.3	59.6	90.4	124.5	265.6	617.2	1,313.9	3,397.2	9,481.9	...	525.8
Male	356.8	511.5	21.1	12.2	87.3	127.7	164.6	342.5	804.1	1,668.9	4,054.0	10,139.3	...	631.8
Female	297.7	426.3	17.6	10.3	30.4	49.4	82.6	187.2	441.5	1,018.2	2,932.3	9,106.8	...	436.4
Mexican	287.6	465.6	18.9	10.9	58.7	85.9	118.2	266.0	640.0	1,379.8	3,482.2	10,090.4	...	543.5
Male	319.4	505.4	19.9	12.0	86.9	121.0	155.9	341.1	818.7	1,708.7	4,008.5	11,218.4	...	647.6
Female	254.5	423.5	17.8	9.8	29.1	47.1	78.3	186.9	461.9	1,087.3	3,075.6	9,438.7	...	453.0
Puerto Rican	435.5	558.9	16.0	8.8	51.5	116.0	188.3	369.6	749.5	1,543.8	3,989.9	10,932.9	...	629.0
Male	474.5	582.7	20.6	9.3	69.3	168.4	259.2	483.3	1,015.6	2,006.7	4,633.8	11,725.1	...	761.0
Female	397.2	534.5	11.1	8.1	32.2	62.9	121.6	257.1	514.3	1,180.0	3,541.0	10,528.3	...	521.5
Cuban	744.9	350.5	*	*	49.6	70.9	95.8	224.3	581.7	1,230.1	3,548.4	10,533.1	...	523.2
Male	760.8	383.5	*	*	75.2	105.8	123.2	281.0	777.5	1,590.7	4,508.5	12,164.7	...	653.1
Female	729.1	317.5	*	*	23.4	35.3	65.9	159.9	386.8	922.0	2,881.5	9,676.3	...	420.4

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, 2016

[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, 2016, 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	2,711,402	32,575	57,616	77,792	173,516	366,445	512,080	1,491,378	...
Never married	337,536	31,060	41,328	33,068	49,474	69,280	48,090	65,236	...
Ever married	2,353,626	1,437	15,934	43,904	121,481	291,370	458,504	1,420,996	...
Married	1,007,849	1,251	11,402	27,492	69,204	159,979	253,895	484,626	...
Widowed	910,433	26	234	1,043	5,862	27,946	85,083	790,239	...
Divorced	435,344	160	4,298	15,369	46,415	103,445	119,526	146,131	...
Not stated	20,240	78	354	820	2,561	5,795	5,486	5,146	...
Male	1,381,871	24,013	40,257	49,215	105,086	222,384	292,742	648,174	...
Never married	213,630	23,084	30,309	22,848	33,591	46,341	29,016	28,441	...
Ever married	1,154,066	870	9,719	25,836	69,694	171,598	259,667	616,682	...
Married	672,617	769	7,054	16,127	39,734	97,284	165,473	346,176	...
Widowed	250,187	13	94	401	2,120	10,144	27,439	209,976	...
Divorced	231,262	88	2,571	9,308	27,840	64,170	66,755	60,530	...
Not stated	14,175	59	229	531	1,801	4,445	4,059	3,051	...
Female	1,329,531	8,562	17,359	28,577	68,430	144,061	219,338	843,204	...
Never married	123,906	7,976	11,019	10,220	15,883	22,939	19,074	36,795	...
Ever married	1,199,560	567	6,215	18,068	51,787	119,772	198,837	804,314	...
Married	335,232	482	4,348	11,365	29,470	62,695	88,422	138,450	...
Widowed	660,246	13	140	642	3,742	17,802	57,644	580,263	...
Divorced	204,082	72	1,727	6,061	18,575	39,275	52,771	85,601	...
Not stated	6,065	19	125	289	760	1,350	1,427	2,095	...
	Rate ³								
Both sexes	1,034.3	74.6	129.8	191.3	405.8	883.9	1,785.4	7,263.2	1,139.4
Never married	382.1	75.6	174.2	341.2	754.5	1,526.4	2,613.6	7,212.8	1,425.6
Ever married	1,354.2	55.6	77.1	141.8	335.6	789.2	1,708.2	7,239.3	1,078.3
Married	776.8	51.9	61.8	106.1	246.7	589.9	1,382.7	5,133.4	790.9
Widowed	5,971.1	111.4	236.3	393.7	715.1	1,321.9	2,219.9	9,763.9	1,613.9
Divorced	1,511.1	106.7	203.0	321.1	633.7	1,345.4	2,572.1	6,976.1	1,350.7
Male	1,080.7	107.2	179.7	243.5	498.0	1,112.5	2,183.1	7,761.5	1,300.1
Never married	452.7	107.9	230.6	425.8	923.8	1,897.7	3,325.3	8,264.1	1,714.9
Ever married	1,430.6	86.3	105.0	174.0	399.0	977.9	2,071.3	7,701.8	1,211.2
Married	1,035.9	81.5	84.6	127.5	285.1	712.8	1,686.6	6,166.3	953.1
Widowed	7,392.0	*	276.1	564.7	951.2	1,966.0	3,219.8	12,520.1	2,160.7
Divorced	1,872.0	165.1	290.2	436.2	842.1	1,895.7	3,563.0	8,455.0	1,754.8
Female	990.1	40.3	78.9	139.8	316.0	671.0	1,436.2	6,921.6	1,000.7
Never married	301.2	40.5	104.2	236.2	543.7	1,094.0	1,971.7	6,567.1	1,156.4
Ever married	1,288.0	36.0	54.5	112.1	276.4	618.3	1,390.0	6,920.7	968.5
Married	517.2	32.8	43.0	85.7	208.7	465.4	1,034.1	3,618.0	580.1
Widowed	5,565.7	*	215.4	331.1	626.9	1,114.0	1,934.0	9,043.5	1,450.9
Divorced	1,240.2	74.5	140.2	228.4	462.3	912.6	1,902.7	6,208.2	1,080.0

... Category not applicable.

* Figure does not meet standards of reliability or precision; 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 are 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: Total of 49 reporting states and District of Columbia using 2003 version of U.S. Standard Certificate of Death, and 1 reporting state using 1989 version of U.S. Standard Certificate of Death, 2016

[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, 2016, resident population control totals for reporting areas; see Technical Notes]

Education level and sex	49 reporting states and District of Columbia ¹ using 2003 version of U.S. Standard Certificate of Death						1 reporting state ² using 1989 version of U.S. Standard Certificate of Death						
	Age group (years)					Age-adjusted rate ⁴	Years of school completed ⁵ and sex	Age group (years)					Age-adjusted rate ⁴
	25–64 ³	25–34	35–44	45–54	55–64			25–64 ³	25–34	35–44	45–54	55–64	
	Number						Number						
Both sexes	669,183	57,135	76,982	171,927	363,139	...	Both sexes	6,186	481	810	1,589	3,306	...
Less than high school diploma or GED	121,163	10,512	14,539	33,040	63,072	...	Under 12 years	1,199	78	133	316	672	...
High school diploma or GED	291,883	25,466	33,159	75,157	158,101	...	12 years	3,017	249	401	777	1,590	...
Some college or collegiate degree	240,736	20,490	28,018	59,802	132,426	...	13 years or more	1,225	86	173	307	659	...
Not stated ⁶	15,401	667	1,266	3,928	9,540	...	Not stated ⁷	745	68	103	189	385	...
Male	413,128	39,936	48,692	104,105	220,395	...	Male	3,814	321	523	981	1,989	...
Less than high school diploma or GED	79,163	7,673	9,751	21,338	40,401	...	Under 12 years	769	49	86	199	435	...
High school diploma or GED	186,921	18,477	22,174	47,584	98,686	...	12 years	1,925	180	271	506	968	...
Some college or collegiate degree	136,091	13,333	15,919	32,469	74,370	...	13 years or more	664	54	99	155	356	...
Not stated ⁶	10,953	453	848	2,714	6,938	...	Not stated ⁷	456	38	67	121	230	...
Female	256,055	17,199	28,290	67,822	142,744	...	Female	2,372	160	287	608	1,317	...
Less than high school diploma or GED	42,000	2,839	4,788	11,702	22,671	...	Under 12 years	430	29	47	117	237	...
High school diploma or GED	104,962	6,989	10,985	27,573	59,415	...	12 years	1,092	69	130	271	622	...
Some college or collegiate degree	104,645	7,157	12,099	27,333	58,056	...	13 years or more	561	32	74	152	303	...
Not stated ⁶	4,448	214	418	1,214	2,602	...	Not stated ⁷	289	30	36	68	155	...

See footnotes at end of table.

Table I-6. Number of deaths, death rates, and age-adjusted death rates for ages 25–64, by educational attainment and sex: Total of 49 reporting states and District of Columbia using 2003 version of U.S. Standard Certificate of Death, and 1 reporting state using 1989 version of U.S. Standard Certificate of Death, 2016—Con.

[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, 2016, resident population control totals for reporting areas; see Technical Notes]

49 reporting states and District of Columbia ¹ using 2003 version of U.S. Standard Certificate of Death							1 reporting state ² using 1989 version of U.S. Standard Certificate of Death						
Education level and sex	Age group (years)					Age-adjusted rate ⁴	Years of school completed ⁵ and sex	Age group (years)					Age-adjusted rate ⁴
	25–64 ³	25–34	35–44	45–54	55–64			25–64 ³	25–34	35–44	45–54	55–64	
	Rate ⁸						Rate ⁸						
Both sexes	397.6	129.3	190.4	404.4	881.6	345.9	Both sexes	652.5	222.6	363.9	652.8	1,243.5	549.5
Less than high school diploma or GED	631.1	240.9	298.1	648.1	1,297.8	541.5	Under 12 years	1,092.4	364.1	593.0	1,061.8	1,858.9	867.1
High school diploma or GED	671.5	244.0	347.8	652.7	1,319.9	562.8	12 years	814.6	338.8	496.9	760.9	1,394.2	674.6
Some college or collegiate degree	227.9	69.8	107.7	230.9	543.7	202.9	13 years or more	261.8	71.0	144.8	275.2	569.7	230.6
Male	496.3	179.2	242.2	496.2	1,109.6	437.1	Male	811.2	297.3	466.6	804.6	1,551.4	692.0
Less than high school diploma or GED	749.7	303.4	360.7	764.1	1,593.4	657.0	Under 12 years	1,186.0	416.3	681.2	1,071.9	1,988.1	932.6
High school diploma or GED	797.0	306.9	412.9	774.3	1,668.3	689.5	12 years	972.3	433.8	569.0	965.2	1,714.9	828.6
Some college or collegiate degree	276.5	97.0	132.3	269.6	651.7	245.8	13 years or more	320.2	98.7	191.0	304.3	713.7	284.0
Female	301.0	78.6	139.2	315.0	669.2	257.8	Female	496.4	148.0	259.7	500.4	956.7	409.9
Less than high school diploma or GED	486.2	154.7	220.2	507.6	975.3	404.2	Under 12 years	957.3	300.5	479.3	1,045.1	1,660.8	777.5
High school diploma or GED	524.5	158.2	263.8	513.5	980.1	421.1	12 years	633.6	215.6	393.1	545.4	1,080.0	501.5
Some college or collegiate degree	185.5	45.8	86.5	197.2	448.5	165.3	13 years or more	215.3	48.1	109.4	250.7	460.6	188.9

... Category not applicable.

¹Includes data for Alabama, Alaska, Arizona, Arkansas, California, Colorado, Connecticut, Delaware, District of Columbia, 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; see Technical Notes.

²Includes data for West Virginia; see Technical Notes.

³Excludes figures for age not stated.

⁴Calculated based on ages 25–64. For method of computation, see Technical Notes.

⁵For rates, the definition of educational attainment differs for the numerator and denominator; see Technical Notes.

⁶Includes deaths that occurred in states that reported the unrevised education attainment item on the death certificate.

⁷Includes deaths that occurred in states that reported the revised education attainment item on the death certificate.

⁸Figures for education not stated are included in totals for "Both sexes," "Male," and "Female" but are 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 2016

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

2002		2016	
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	18.0
12 years	43.9	High school diploma or GED	43.7
13 years or more	32.0	Some college or collegiate degree	36.0
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, 2016

[Rates are per 100,000 population in specified group; 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, 2016; 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]

Hispanic origin, race for non-Hispanic population, 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	4,621	311	706	833	1,001	1,019	751	...
Male	4,169	273	643	767	917	945	624	...
Female	452	38	63	66	84	74	127	...
Non-Hispanic white ⁴ , both sexes	3,116	180	437	488	662	731	618	...
Male	2,791	156	398	450	602	677	508	...
Female	325	24	39	38	60	54	110	...
Non-Hispanic black ⁴ , both sexes	521	41	83	115	131	106	45	...
Male	457	33	71	104	116	94	39	...
Female	64	8	12	11	15	12	6	...
Hispanic, both sexes	795	70	164	195	167	138	61	...
Male	753	66	152	182	161	136	56	...
Female	42	4	12	13	6	2	5	...
	Rate							
All origins ³ , both sexes	1.8	0.7	1.6	2.1	2.3	2.5	1.5	1.7
Male	3.3	1.2	2.8	3.8	4.3	4.7	2.9	3.2
Female	0.3	0.2	0.3	0.3	0.4	0.3	0.5	0.3
Non-Hispanic white ⁴ , both sexes	1.8	0.7	1.7	2.1	2.4	2.5	1.6	1.8
Male	3.4	1.3	3.1	3.8	4.4	4.7	3.0	3.3
Female	0.4	0.2	0.3	0.3	0.4	0.4	0.5	0.3
Non-Hispanic black ⁴ , both sexes	1.6	0.6	1.3	2.2	2.4	2.2	1.0	1.6
Male	2.9	1.0	2.3	4.2	4.6	4.3	2.2	3.1
Female	0.4	*	*	*	*	*	*	0.4
Hispanic, both sexes	1.9	0.7	1.8	2.4	2.5	3.1	1.5	1.9
Male	3.6	1.3	3.2	4.3	4.8	6.3	3.3	3.7
Female	0.2	*	*	*	*	*	*	0.2

... Category not applicable.

* Figure does not meet standards of reliability or precision; 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, 1997-2016

[Includes ages 15 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. 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											
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											
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, 1997-2016—Con.

[Includes ages 15 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. 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											
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 49 states and the District of Columbia (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, 2016

[Rates 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, 2016; see Technical Notes. 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	2,744,248	1,400,232	1,344,016	2,323,094	1,181,931	1,141,163	331,788	171,674	160,114	19,708	10,945	8,763	69,658	35,682	33,976
Under 1 year	23,161	12,867	10,294	14,568	8,143	6,425	7,229	3,942	3,287	347	206	141	1,017	576	441
1-4	4,045	2,256	1,789	2,723	1,523	1,200	1,058	602	456	94	46	48	170	85	85
5-9	2,490	1,377	1,113	1,702	941	761	635	350	285	47	28	19	106	58	48
10-14	3,013	1,764	1,249	2,180	1,284	896	646	383	263	57	30	27	130	67	63
15-19	10,812	7,713	3,099	7,599	5,304	2,295	2,636	2,002	634	209	149	60	368	258	110
20-24	21,763	16,300	5,463	15,408	11,470	3,938	5,256	4,054	1,202	442	300	142	657	476	181
25-29	27,053	19,511	7,542	19,967	14,382	5,585	5,827	4,247	1,580	597	410	187	662	472	190
30-34	30,563	20,746	9,817	23,177	15,780	7,397	5,953	4,052	1,901	617	394	223	816	520	296
35-39	35,277	22,809	12,468	26,583	17,358	9,225	6,994	4,375	2,619	666	429	237	1,034	647	387
40-44	42,515	26,406	16,109	31,969	20,027	11,942	8,443	5,091	3,352	751	453	298	1,352	835	517
45-49	65,585	39,769	25,816	50,330	30,923	19,407	12,407	7,146	5,261	973	583	390	1,875	1,117	758
50-54	107,931	65,317	42,614	84,137	51,682	32,455	19,699	11,197	8,502	1,461	872	589	2,634	1,566	1,068
55-59	162,146	98,650	63,496	127,881	78,631	49,250	28,800	16,696	12,104	1,751	1,094	657	3,714	2,229	1,485
60-64	204,299	123,734	80,565	162,506	99,330	63,176	34,896	20,392	14,504	1,890	1,101	789	5,007	2,911	2,096
65-69	246,655	144,389	102,266	202,433	119,338	83,095	36,294	20,536	15,758	1,913	1,114	799	6,015	3,401	2,614
70-74	265,425	148,353	117,072	225,065	126,477	98,588	32,204	17,303	14,901	1,889	1,034	855	6,267	3,539	2,728
75-79	294,895	156,851	138,044	253,678	135,968	117,710	31,893	15,895	15,998	1,773	905	868	7,551	4,083	3,468
80-84	342,021	167,968	174,053	299,396	148,568	150,828	31,965	14,202	17,763	1,712	800	912	8,948	4,398	4,550
85 and over	854,462	323,355	531,107	771,685	294,729	476,956	58,931	19,192	39,739	2,517	995	1,522	21,329	8,439	12,890
Not stated	137	97	40	107	73	34	22	17	5	2	2	-	6	5	1

Table I-10. Number of deaths and death rates, by age, race, and sex: United States, 2016—Con.

[Rates 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, 2016; see Technical Notes. 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	849.3	880.2	819.3	919.3	944.0	895.0	732.3	789.5	679.5	425.6	471.2	379.8	340.0	363.6	318.3
Under 1 year ⁵	583.4	633.7	530.7	492.0	537.4	444.3	1,061.4	1,133.8	985.9	448.0	524.3	369.4	406.2	449.2	361.1
1–4	25.3	27.7	22.9	22.9	25.0	20.7	38.8	43.4	34.0	30.5	29.4	31.6	16.5	16.1	16.9
5–9	12.2	13.2	11.1	11.1	12.0	10.2	18.3	19.9	16.7	12.1	14.2	*	8.3	8.9	7.6
10–14	14.6	16.8	12.4	14.0	16.1	11.8	19.3	22.5	15.9	15.0	15.6	14.3	10.1	10.4	9.9
15–19	51.2	71.4	30.0	47.5	64.8	29.4	75.6	112.9	37.0	55.6	78.1	32.4	28.7	39.8	17.3
20–24	97.2	141.8	50.2	92.1	133.1	48.5	139.8	211.7	65.1	113.7	150.6	75.0	44.0	62.7	24.6
25–29	118.2	167.7	67.0	116.8	164.3	66.9	159.1	233.4	85.8	158.2	208.4	103.5	37.7	54.7	21.3
30–34	140.3	189.1	90.7	140.0	187.1	91.1	189.4	266.8	117.0	179.7	221.5	134.8	46.8	62.1	32.6
35–39	169.8	219.8	119.9	167.7	216.0	118.1	234.8	309.4	167.4	209.2	263.1	152.6	63.6	84.8	44.8
40–44	215.9	270.1	162.4	211.8	263.5	159.4	308.0	395.1	230.7	260.5	309.1	210.2	85.8	112.7	62.0
45–49	313.1	383.3	244.2	306.5	375.2	237.2	441.3	541.1	352.9	348.2	413.9	281.5	130.7	166.2	99.4
50–54	494.2	608.7	383.6	483.4	597.7	370.6	685.5	831.9	556.5	530.7	640.0	423.5	205.0	260.8	156.1
55–59	737.7	923.4	562.1	717.5	897.9	543.2	1,048.3	1,312.8	820.3	693.0	896.0	503.2	321.0	418.7	237.7
60–64	1,048.6	1,328.2	792.4	1,013.9	1,280.9	763.7	1,550.8	2,013.0	1,172.3	949.3	1,163.4	755.3	497.4	642.4	378.7
65–69	1,466.4	1,819.2	1,151.2	1,435.2	1,770.6	1,128.3	2,083.9	2,700.4	1,606.1	1,273.6	1,564.3	1,011.5	730.4	931.3	570.3
70–74	2,247.4	2,720.0	1,841.9	2,239.5	2,693.2	1,841.5	2,893.0	3,700.0	2,308.3	2,001.6	2,373.4	1,682.7	1,133.5	1,433.4	891.5
75–79	3,524.1	4,212.3	2,972.3	3,548.4	4,225.9	2,994.1	4,155.5	5,208.1	3,460.6	2,897.2	3,318.4	2,558.6	1,935.1	2,351.6	1,601.1
80–84	5,830.9	6,846.7	5,100.6	5,912.8	6,925.0	5,168.7	6,280.5	7,659.2	5,490.3	4,636.6	5,267.7	4,195.6	3,491.8	4,100.4	3,053.7
85 and over	13,392.1	14,533.8	12,780.9	13,778.4	14,942.0	13,145.9	11,936.7	13,028.7	11,472.3	7,569.0	8,251.1	7,180.9	8,440.1	9,074.8	8,070.6

– Quantity zero.

¹ Figure does not meet standards of reliability or precision; see Technical Notes.

² Race categories are consistent with 1977 Office of Management and Budget (OMB) standards. In 2016, multiple-race data were reported by 49 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.

³ Includes Aleut and Eskimo persons.

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

⁵ Figures for age not stated are included in "All ages" but are not distributed among age groups.

⁶ Death rates for "Under 1 year" (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, 2016

[Rates per 100,000 population in specified group; see Technical Notes. Populations used for computing death rates are postcensal estimates based on the 2010 census estimated as of July 1, 2016; 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	2,744,248	1,400,232	1,344,016	188,254	103,532	84,722	2,547,103	1,291,284	1,255,819	2,133,463	1,077,362	1,056,101	326,810	168,750	158,060
Under 1 year	23,161	12,867	10,294	4,817	2,678	2,139	18,148	10,080	8,068	10,046	5,622	4,424	6,863	3,746	3,117
1-4	4,045	2,256	1,789	799	443	356	3,236	1,806	1,430	1,978	1,113	865	1,016	575	441
5-9	2,490	1,377	1,113	578	313	265	1,907	1,062	845	1,158	649	509	610	333	277
10-14	3,013	1,764	1,249	586	328	258	2,417	1,431	986	1,623	976	647	623	368	255
15-19	10,812	7,713	3,099	2,017	1,447	570	8,774	6,249	2,525	5,668	3,924	1,744	2,570	1,952	618
20-24	21,763	16,300	5,463	3,705	2,857	848	18,006	13,405	4,601	11,847	8,721	3,126	5,133	3,957	1,176
25-29	27,053	19,511	7,542	3,988	3,053	935	22,985	16,401	6,584	16,143	11,449	4,694	5,683	4,139	1,544
30-34	30,563	20,746	9,817	4,207	3,006	1,201	26,253	17,671	8,582	19,079	12,844	6,235	5,829	3,967	1,862
35-39	35,277	22,809	12,468	4,731	3,265	1,466	30,425	19,464	10,961	21,922	14,148	7,774	6,888	4,302	2,586
40-44	42,515	26,406	16,109	5,541	3,682	1,859	36,814	22,625	14,189	26,487	16,374	10,113	8,307	5,014	3,293
45-49	65,585	39,769	25,816	7,347	4,775	2,572	57,945	34,805	23,140	42,994	26,151	16,843	12,218	7,028	5,190
50-54	107,931	65,317	42,614	10,406	6,776	3,630	96,985	58,155	38,830	73,640	44,820	28,820	19,420	11,005	8,415
55-59	162,146	98,650	63,496	12,974	8,336	4,638	148,326	89,719	58,607	114,682	70,093	44,589	28,391	16,437	11,954
60-64	204,299	123,734	80,565	14,613	9,080	5,533	188,666	113,896	74,770	147,548	89,957	57,591	34,430	20,064	14,366
65-69	246,655	144,389	102,266	15,582	9,244	6,338	229,995	134,403	95,592	186,455	109,782	76,673	35,847	20,252	15,595
70-74	265,425	148,353	117,072	15,968	8,967	7,001	248,449	138,752	109,697	208,699	117,232	91,467	31,781	17,049	14,732
75-79	294,895	156,851	138,044	17,961	9,329	8,632	276,109	147,023	129,086	235,476	126,471	109,005	31,486	15,654	15,832
80-84	342,021	167,968	174,053	20,145	9,519	10,626	321,123	158,047	163,076	279,076	138,949	140,127	31,588	13,999	17,589
85 and over	854,462	323,355	531,107	42,276	16,425	25,851	810,468	306,244	504,224	728,886	278,054	450,832	58,116	18,901	39,215
Not stated	137	97	40	13	9	4	72	46	26	56	33	23	11	8	3

See footnotes at end of table.

Table I-11. Number of deaths and death rates, by Hispanic origin, race for non-Hispanic population, age, and sex: United States, 2016—Con.

[Rates per 100,000 population in specified group; see Technical Notes. Populations used for computing death rates are postcensal estimates based on the 2010 census estimated as of July 1, 2016; 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	849.3	880.2	819.3	327.6	356.8	297.7	958.8	992.8	926.2	1,059.7	1,085.6	1,034.6	775.5	836.2	719.7
Under 1 year ⁵	583.4	633.7	530.7	469.8	511.5	426.3	616.3	668.9	561.1	485.9	530.9	438.7	1,124.8	1,203.6	1,042.8
1–4	25.3	27.7	22.9	19.4	21.1	17.6	27.3	29.8	24.7	23.9	26.2	21.4	41.5	46.2	36.6
5–9	12.2	13.2	11.1	11.0	11.7	10.2	12.6	13.7	11.4	10.9	11.9	9.8	19.5	21.0	18.0
10–14	14.6	16.8	12.4	11.7	12.8	10.5	15.5	18.0	12.9	14.6	17.1	11.9	20.4	23.8	16.9
15–19	51.2	71.4	30.0	42.1	59.1	24.3	53.7	74.8	31.6	48.4	65.3	30.5	80.1	119.7	39.1
20–24	97.2	141.8	50.2	77.1	115.0	36.6	102.4	148.8	53.7	95.1	136.2	51.6	147.2	223.1	68.6
25–29	118.2	167.7	67.0	86.5	126.4	42.6	125.7	177.9	72.7	124.1	173.3	73.4	167.6	245.9	90.4
30–34	140.3	189.1	90.7	94.4	129.0	56.5	151.5	204.6	98.7	151.6	202.2	100.0	201.3	283.9	124.3
35–39	169.8	219.8	119.9	110.2	147.4	70.6	184.6	238.5	131.7	182.5	233.9	130.4	250.6	330.1	178.9
40–44	215.9	270.1	162.4	140.1	183.6	95.3	233.9	291.2	178.0	230.0	283.1	176.4	325.5	418.0	243.5
45–49	313.1	383.3	244.2	205.7	263.8	145.9	333.5	406.3	262.7	326.1	396.3	255.7	461.7	565.5	369.7
50–54	494.2	608.7	383.6	334.3	433.7	234.1	517.9	634.3	406.2	505.0	620.1	391.8	711.7	861.5	579.9
55–59	737.7	923.4	562.1	511.3	669.1	359.1	762.9	950.7	585.8	738.9	919.3	564.7	1,079.9	1,351.1	846.3
60–64	1,048.6	1,328.2	792.4	756.3	987.0	546.7	1,075.0	1,356.6	816.7	1,034.3	1,300.6	783.6	1,592.5	2,064.3	1,207.2
65–69	1,466.4	1,819.2	1,151.2	1,086.9	1,394.6	822.2	1,494.8	1,847.7	1,178.4	1,457.7	1,790.2	1,151.5	2,136.1	2,766.0	1,648.5
70–74	2,247.4	2,720.0	1,841.9	1,650.3	2,093.3	1,298.4	2,291.4	2,760.8	1,885.8	2,278.8	2,725.5	1,883.3	2,966.1	3,791.5	2,369.1
75–79	3,524.1	4,212.3	2,972.3	2,681.5	3,288.8	2,235.4	3,586.7	4,274.0	3,031.5	3,606.7	4,280.1	3,050.0	4,256.9	5,330.1	3,550.2
80–84	5,830.9	6,846.7	5,100.6	4,458.2	5,251.3	3,926.9	5,931.6	6,956.3	5,190.5	6,011.3	7,030.9	5,255.6	6,427.4	7,835.2	5,623.3
85 and over	13,392.1	14,533.8	12,780.9	9,481.9	10,139.3	9,106.8	13,657.0	14,845.7	13,023.6	14,062.6	15,274.6	13,406.5	12,171.0	13,320.0	11,685.1

¹Figures for origin not stated are included in "All origins" but are 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 2016, multiple-race data were reported by 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.

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

⁵Death rates for "Under 1 year" (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 injury by firearms, by Hispanic origin, race for non-Hispanic population, and sex: United States, 2016

[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, Tenth 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	2,744,248	1,400,232	1,344,016	188,254	103,532	84,722	2,547,103	1,291,284	1,255,819
Salmonella infections (A01-A02)	37	20	17	5	1	4	32	19	13
Shigellosis and amebiasis (A03,A06)	8	3	5	-	-	-	8	3	5
Certain other intestinal infections (A04,A07-A09)	9,324	3,740	5,584	650	291	359	8,639	3,433	5,206
Tuberculosis (A16-A19)	528	333	195	94	60	34	431	271	160
Respiratory tuberculosis (A16)	387	244	143	70	47	23	315	196	119
Other tuberculosis (A17-A19)	141	89	52	24	13	11	116	75	41
Whooping cough (A37)	11	5	6	5	2	3	6	3	3
Scarlet fever and erysipelas (A38,A46)	2	1	1	-	-	-	2	1	1
Meningococcal infection (A39)	36	22	14	6	4	2	30	18	12
Septicemia (A40-A41)	40,613	19,678	20,935	2,718	1,392	1,326	37,774	18,215	19,559
Syphilis (A50-A53)	41	22	19	7	6	1	34	16	18
Acute poliomyelitis (A80)	-	-	-	-	-	-	-	-	-
Arthropod-borne viral encephalitis (A83-A84,A85.2)	2	1	1	-	-	-	2	1	1
Measles (B05)	-	-	-	-	-	-	-	-	-
Viral hepatitis (B15-B19)	6,421	4,185	2,236	974	656	318	5,382	3,486	1,896
Human immunodeficiency virus (HIV) disease (B20-B24)	6,160	4,554	1,606	811	651	160	5,285	3,849	1,436
Malaria (B50-B54)	5	3	2	-	-	-	5	3	2
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)	6,864	3,620	3,244	621	333	288	6,226	3,280	2,946
Malignant neoplasms (C00-C97)	598,038	314,571	283,467	39,263	20,504	18,759	557,135	293,118	264,017
Malignant neoplasms of lip, oral cavity and pharynx (C00-C14)	10,170	7,150	3,020	540	386	154	9,587	6,731	2,856
Malignant neoplasm of esophagus (C15)	15,459	12,317	3,142	695	564	131	14,727	11,722	3,005
Malignant neoplasm of stomach (C16)	11,433	6,845	4,588	1,802	970	832	9,599	5,850	3,749
Malignant neoplasms of colon, rectum and anus (C18-C21)	53,145	27,934	25,211	3,906	2,190	1,716	49,096	25,653	23,443
Malignant neoplasms of liver and intrahepatic bile ducts (C22)	26,569	17,843	8,726	3,487	2,365	1,122	22,980	15,403	7,577
Malignant neoplasm of pancreas (C25)	42,757	21,899	20,858	2,919	1,486	1,433	39,726	20,349	19,377
Malignant neoplasm of larynx (C32)	3,868	3,050	818	220	199	21	3,631	2,838	793
Malignant neoplasms of trachea, bronchus and lung (C33-C34)	148,945	80,815	68,130	5,550	3,264	2,286	142,983	77,304	65,679
Malignant melanoma of skin (C43)	8,188	5,425	2,763	231	139	92	7,939	5,272	2,667

Table I-12. Number of deaths from 113 selected causes, Enterocolitis due to *Clostridium difficile*, drug-induced causes, alcohol-induced causes, and injury by firearms, by Hispanic origin, race for non-Hispanic population, and sex: United States, 2016—Con.

[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, Tenth 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)	41,952	464	41,488	2,975	22	2,953	38,866	442	38,424
Malignant neoplasm of cervix uteri (C53)	4,188	...	4,188	619	...	619	3,554	...	3,554
Malignant neoplasms of corpus uteri and uterus, part unspecified (C54-C55)	10,733	...	10,733	841	...	841	9,869	...	9,869
Malignant neoplasm of ovary (C56)	14,223	...	14,223	998	...	998	13,181	...	13,181
Malignant neoplasm of prostate (C61)	30,370	30,370	...	1,929	1,929	...	28,361	28,361	...
Malignant neoplasms of kidney and renal pelvis (C64-C65)	13,842	8,996	4,846	1,238	827	411	12,573	8,144	4,429
Malignant neoplasm of bladder (C67)	16,646	11,941	4,705	675	462	213	15,924	11,448	4,476
Malignant neoplasms of meninges, brain and other parts of central nervous system (C70-C72)	16,834	9,510	7,324	1,251	665	586	15,558	8,830	6,728
Malignant neoplasms of lymphoid, hematopoietic and related tissue (C81-C96)	57,234	32,229	25,005	4,380	2,451	1,929	52,714	29,693	23,021
Hodgkin's disease (C81)	1,000	579	421	139	77	62	861	502	359
Non-Hodgkin's lymphoma (C82-C85)	20,269	11,301	8,968	1,566	883	683	18,653	10,381	8,272
Leukemia (C91-C95)	23,130	13,270	9,860	1,711	947	764	21,357	12,291	9,066
Multiple myeloma and immunoproliferative neoplasms (C88,C90)	12,735	7,016	5,719	962	543	419	11,745	6,457	5,288
Other and unspecified malignant neoplasms of lymphoid, hematopoietic and related tissue (C96)	100	63	37	2	1	1	98	62	36
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)	71,482	37,783	33,699	5,007	2,585	2,422	66,267	35,078	31,189
In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior (D00-D48)	15,794	8,382	7,412	942	491	451	14,811	7,866	6,945
Anemias (D50-D64)	5,349	2,293	3,056	316	146	170	5,019	2,139	2,880
Diabetes mellitus (E10-E14)	80,058	43,763	36,295	8,546	4,603	3,943	71,227	38,974	32,253
Nutritional deficiencies (E40-E64)	6,329	2,424	3,905	359	140	219	5,961	2,279	3,682
Malnutrition (E40-E46)	6,127	2,341	3,786	348	137	211	5,770	2,199	3,571
Other nutritional deficiencies (E50-E64)	202	83	119	11	3	8	191	80	111
Meningitis (G00,G03)	561	285	276	75	49	26	485	235	250
Parkinson's disease (G20-G21)	29,697	17,877	11,820	1,630	914	716	28,017	16,931	11,086
Alzheimer's disease (G30)	116,103	35,372	80,731	6,833	2,151	4,682	109,096	33,167	75,929
Major cardiovascular diseases (I00-I78)	835,947	426,063	409,884	51,936	27,663	24,273	781,127	396,637	384,490
Diseases of heart (I00-I09,I11,I13,I20-I51)	635,260	339,265	295,995	37,799	20,945	16,854	595,090	316,830	278,260

See footnotes at end of table.

Table I-12. Number of deaths from 113 selected causes, Enterocolitis due to *Clostridium difficile*, drug-induced causes, alcohol-induced causes, and injury by firearms, by Hispanic origin, race for non-Hispanic population, and sex: United States, 2016—Con.

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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
Acute rheumatic fever and chronic rheumatic heart diseases (I00-I09)	3,553	1,208	2,345	215	77	138	3,328	1,127	2,201
Hypertensive heart disease (I11)	43,734	22,184	21,550	2,999	1,649	1,350	40,482	20,367	20,115
Hypertensive heart and renal disease (I13)	5,755	2,795	2,960	432	217	215	5,285	2,555	2,730
Ischemic heart diseases (I20-I25)	363,452	210,156	153,296	23,574	13,696	9,878	338,346	195,462	142,884
Acute myocardial infarction (I21-I22)	111,777	64,713	47,064	7,417	4,331	3,086	103,999	60,156	43,843
Other acute ischemic heart diseases (I24)	4,003	2,204	1,799	179	91	88	3,801	2,096	1,705
Other forms of chronic ischemic heart disease (I20,I25)	247,672	143,239	104,433	15,978	9,274	6,704	230,546	133,210	97,336
Atherosclerotic cardiovascular disease, so described (I25.0)	62,514	38,558	23,956	4,191	2,770	1,421	57,865	35,455	22,410
All other forms of chronic ischemic heart disease (I20,I25.1-I25.9)	185,158	104,681	80,477	11,787	6,504	5,283	172,681	97,755	74,926
Other heart diseases (I26-I51)	218,766	102,922	115,844	10,579	5,306	5,273	207,649	97,319	110,330
Acute and subacute endocarditis (I33)	1,481	879	602	133	82	51	1,341	793	548
Diseases of pericardium and acute myocarditis (I30-I31,I40)	921	487	434	60	37	23	858	447	411
Heart failure (I50)	78,356	35,424	42,932	3,626	1,721	1,905	74,580	33,618	40,962
All other forms of heart disease (I26-I28,I34-I38,I42-I49,I51)	138,008	66,132	71,876	6,760	3,466	3,294	130,870	62,461	68,409
Essential hypertension and hypertensive renal disease (I10,I12,I15)	33,246	14,598	18,648	2,488	1,197	1,291	30,634	13,337	17,297
Cerebrovascular diseases (I60-I69)	142,142	59,355	82,787	10,283	4,798	5,485	131,529	54,384	77,145
Atherosclerosis (I70)	5,727	2,475	3,252	272	119	153	5,443	2,350	3,093
Other diseases of circulatory system (I71-I78)	19,572	10,370	9,202	1,094	604	490	18,431	9,736	8,695
Aortic aneurysm and dissection (I71)	9,758	5,762	3,996	498	317	181	9,236	5,428	3,808
Other diseases of arteries, arterioles and capillaries (I72-I78)	9,814	4,608	5,206	596	287	309	9,195	4,308	4,887
Other disorders of circulatory system (I80-I99)	4,731	2,371	2,360	293	138	155	4,406	2,213	2,193
Influenza and pneumonia (J09-J18)	51,537	25,011	26,526	3,641	1,877	1,764	47,708	23,034	24,674
Influenza (J09-J11)	2,905	1,428	1,477	308	165	143	2,587	1,261	1,326
Pneumonia (J12-J18)	48,632	23,583	25,049	3,333	1,712	1,621	45,121	21,773	23,348
Other acute lower respiratory infections (J20-J22,U04)	261	122	139	26	12	14	234	110	124
Acute bronchitis and bronchiolitis (J20-J21)	212	102	110	25	12	13	187	90	97
Other and unspecified acute lower respiratory infections (J22,U04)	49	20	29	1	-	1	47	20	27
Chronic lower respiratory diseases (J40-J47)	154,596	73,045	81,551	5,287	2,759	2,528	148,873	70,028	78,845
Bronchitis, chronic and unspecified (J40-J42)	518	250	268	39	24	15	478	226	252
Emphysema (J43)	6,977	3,715	3,262	235	132	103	6,718	3,568	3,150
Asthma (J45-J46)	3,518	1,356	2,162	334	135	199	3,167	1,214	1,953

See footnotes at end of table.

Table I-12. Number of deaths from 113 selected causes, Enterocolitis due to *Clostridium difficile*, drug-induced causes, alcohol-induced causes, and injury by firearms, by Hispanic origin, race for non-Hispanic population, and sex: United States, 2016—Con.

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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)	143,583	67,724	75,859	4,679	2,468	2,211	138,510	65,020	73,490
Pneumoconioses and chemical effects (J60–J66,J68)	704	660	44	29	28	1	675	632	43
Pneumonitis due to solids and liquids (J69)	19,715	10,862	8,853	967	539	428	18,694	10,290	8,404
Other diseases of respiratory system (J00–J06,J30–J39,J67,J70–J98)	39,224	20,007	19,217	2,804	1,422	1,382	36,329	18,532	17,797
Peptic ulcer (K25–K28)	3,208	1,647	1,561	213	141	72	2,980	1,495	1,485
Diseases of appendix (K35–K38)	403	241	162	37	23	14	365	217	148
Hernia (K40–K46)	2,099	914	1,185	155	70	85	1,935	837	1,098
Chronic liver disease and cirrhosis (K70,K73–K74)	40,545	25,818	14,727	6,141	4,225	1,916	34,226	21,465	12,761
Alcoholic liver disease (K70)	21,815	15,150	6,665	3,517	2,774	743	18,175	12,285	5,890
Other chronic liver disease and cirrhosis (K73–K74)	18,730	10,668	8,062	2,624	1,451	1,173	16,051	9,180	6,871
Cholelithiasis and other disorders of gallbladder (K80–K82)	3,803	1,813	1,990	325	148	177	3,473	1,664	1,809
Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27)	50,046	25,399	24,647	3,775	1,931	1,844	46,139	23,395	22,744
Acute and rapidly progressive nephritic and nephrotic syndrome (N00–N01,N04)	567	296	271	41	17	24	523	277	246
Chronic glomerulonephritis, nephritis and nephropathy not specified as acute or chronic, and renal sclerosis unspecified (N02–N03,N05–N07,N26)	279	164	115	21	16	5	258	148	110
Renal failure (N17–N19)	49,179	24,928	24,251	3,710	1,898	1,812	45,340	22,959	22,381
Other disorders of kidney (N25,N27)	21	11	10	3	–	3	18	11	7
Infections of kidney (N10–N12,N13.6,N15.1)	801	274	527	56	20	36	740	251	489
Hyperplasia of prostate (N40)	642	642	...	39	39	...	600	600	...
Inflammatory diseases of female pelvic organs (N70–N76)	144	...	144	14	...	14	130	...	130
Pregnancy, childbirth and the puerperium (O00–O99)	1,231	...	1,231	193	...	193	1,034	...	1,034
Pregnancy with abortive outcome (O00–O07)	22	...	22	3	...	3	19	...	19
Other complications of pregnancy, childbirth and the puerperium (O10–O99)	1,209	...	1,209	190	...	190	1,015	...	1,015
Certain conditions originating in the perinatal period (P00–P96)	11,493	6,415	5,078	2,415	1,348	1,067	8,943	4,987	3,956
Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	10,131	5,250	4,881	1,807	949	858	8,280	4,282	3,998
Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified (R00–R99)	33,373	15,833	17,540	2,348	1,409	939	30,819	14,288	16,531
All other diseases (residual)	322,439	136,792	185,647	18,622	8,807	9,815	302,858	127,454	175,404
Accidents (unintentional injuries) (V01–X59,Y85–Y86)	161,374	103,864	57,510	15,711	11,510	4,201	144,931	91,819	53,112
Transport accidents (V01–V99,Y85)	43,048	30,817	12,231	6,394	4,668	1,726	36,552	26,070	10,482

See footnotes at end of table.

Table I-12. Number of deaths from 113 selected causes, Enterocolitis due to *Clostridium difficile*, drug-induced causes, alcohol-induced causes, and injury by firearms, by Hispanic origin, race for non-Hispanic population, and sex: United States, 2016—Con.

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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, V83-V86, V87.0-V87.8, V88.0-V88.8, V89.0, V89.2)	40,327	28,642	11,685	6,114	4,450	1,664	34,121	24,123	9,998
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)	1,006	797	209	144	114	30	858	679	179
Water, air and space, and other and unspecified transport accidents and their sequelae (V90-V99, Y85)	1,715	1,378	337	136	104	32	1,573	1,268	305
Nontransport accidents (W00-X59, Y86)	118,326	73,047	45,279	9,317	6,842	2,475	108,379	65,749	42,630
Falls (W00-W19)	34,673	17,370	17,303	1,971	1,234	737	32,606	16,066	16,540
Accidental discharge of firearms (W32-W34)	495	424	71	58	54	4	436	369	67
Accidental drowning and submersion (W65-W74)	3,786	2,931	855	507	429	78	3,266	2,491	775
Accidental exposure to smoke, fire and flames (X00-X09)	2,730	1,602	1,128	182	115	67	2,536	1,481	1,055
Accidental poisoning and exposure to noxious substances (X40-X49)	58,335	39,810	18,525	5,248	4,061	1,187	52,657	35,438	17,219
Other and unspecified nontransport accidents and their sequelae (W20-W31, W35-W64, W75-W99, X10-X39, X50-X59, Y86)	18,307	10,910	7,397	1,351	949	402	16,878	9,904	6,974
Intentional self-harm (suicide) (*U03, X60-X84, Y87.0)	44,965	34,727	10,238	3,668	2,944	724	41,150	31,665	9,485
Intentional self-harm (suicide) by discharge of firearms (X72-X74)	22,938	19,647	3,291	1,313	1,158	155	21,582	18,449	3,133
Intentional self-harm (suicide) by other and unspecified means and their sequelae (*U03, X60-X71, X75-X84, Y87.0)	22,027	15,080	6,947	2,355	1,786	569	19,568	13,216	6,352
Assault (homicide) (*U01-*U02, X85-Y09, Y87.1)	19,362	15,467	3,895	3,187	2,657	530	16,104	12,751	3,353
Assault (homicide) by discharge of firearms (*U01.4, X93-X95)	14,415	12,213	2,202	2,287	1,996	291	12,095	10,187	1,908
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)	4,947	3,254	1,693	900	661	239	4,009	2,564	1,445
Legal intervention (Y35, Y89.0)	549	527	22	94	94	-	453	431	22
Events of undetermined intent (Y10-Y34, Y87.2, Y89.9)	5,723	3,672	2,051	391	266	125	5,306	3,389	1,917
Discharge of firearms, undetermined intent (Y22-Y24)	300	222	78	26	21	5	270	198	72
Other and unspecified events of undetermined intent and their sequelae (Y10-Y21, Y25-Y34, Y87.2, Y89.9)	5,423	3,450	1,973	365	245	120	5,036	3,191	1,845
Operations of war and their sequelae (Y36, Y89.1)	18	18	-	-	-	-	18	18	-
Complications of medical and surgical care (Y40-Y84, Y88)	3,203	1,624	1,579	225	119	106	2,966	1,493	1,473
Enterocolitis due to <i>Clostridium difficile</i> (A04.7) ⁴	6,768	2,723	4,045	440	179	261	6,305	2,535	3,770
Drug-induced deaths ^{5,6}	67,265	43,931	23,334	5,540	4,130	1,410	61,254	39,468	21,786
Alcohol-induced deaths ^{5,7}	34,865	25,221	9,644	4,711	3,814	897	29,926	21,226	8,700
Injury by firearms ^{5,8}	38,658	32,994	5,664	3,771	3,316	455	34,804	29,602	5,202

See footnotes at end of table.

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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
All causes	2,133,463	1,077,362	1,056,101	326,810	168,750	158,060	8,891	5,416	3,475
Salmonella infections (A01–A02)	25	14	11	5	4	1	–	–	–
Shigellosis and amebiasis (A03,A06)	3	1	2	5	2	3	–	–	–
Certain other intestinal infections (A04,A07–A09)	7,479	2,934	4,545	897	374	523	35	16	19
Tuberculosis (A16–A19)	201	121	80	110	72	38	3	2	1
Respiratory tuberculosis (A16)	125	75	50	97	63	34	2	1	1
Other tuberculosis (A17–A19)	76	46	30	13	9	4	1	1	–
Whooping cough (A37)	5	2	3	1	1	–	–	–	–
Scarlet fever and erysipelas (A38,A46)	1	1	–	–	–	–	–	–	–
Meningococcal infection (A39)	19	11	8	7	6	1	–	–	–
Septicemia (A40–A41)	30,009	14,620	15,389	6,684	3,074	3,610	121	71	50
Syphilis (A50–A53)	14	5	9	20	11	9	–	–	–
Acute poliomyelitis (A80)	–	–	–	–	–	–	–	–	–
Arthropod-borne viral encephalitis (A83–A84,A85.2)	2	1	1	–	–	–	–	–	–
Measles (B05)	–	–	–	–	–	–	–	–	–
Viral hepatitis (B15–B19)	4,118	2,688	1,430	914	591	323	65	43	22
Human immunodeficiency virus (HIV) disease (B20–B24)	2,020	1,687	333	3,149	2,072	1,077	64	54	10
Malaria (B50–B54)	1	1	–	3	1	2	–	–	–
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)	5,077	2,652	2,425	839	445	394	17	7	10
Malignant neoplasms (C00–C97)	466,467	247,202	219,265	69,725	35,215	34,510	1,640	949	691
Malignant neoplasms of lip, oral cavity and pharynx (C00–C14)	8,012	5,600	2,412	1,113	815	298	43	33	10
Malignant neoplasm of esophagus (C15)	13,100	10,546	2,554	1,269	900	369	37	31	6
Malignant neoplasm of stomach (C16)	6,497	3,989	2,508	2,033	1,261	772	32	25	7
Malignant neoplasms of colon, rectum and anus (C18–C21)	39,818	20,852	18,966	7,246	3,765	3,481	143	91	52
Malignant neoplasms of liver and intrahepatic bile ducts (C22)	17,408	11,646	5,762	3,698	2,492	1,206	102	75	27
Malignant neoplasm of pancreas (C25)	32,952	17,126	15,826	5,206	2,461	2,745	112	64	48
Malignant neoplasm of larynx (C32)	2,908	2,267	641	641	504	137	17	13	4
Malignant neoplasms of trachea, bronchus and lung (C33–C34)	122,485	65,658	56,827	15,860	9,027	6,833	412	247	165
Malignant melanoma of skin (C43)	7,764	5,183	2,581	100	48	52	18	14	4

See footnotes at end of table.

Table I-12. Number of deaths from 113 selected causes, Enterocolitis due to *Clostridium difficile*, drug-induced causes, alcohol-induced causes, and injury by firearms, by Hispanic origin, race for non-Hispanic population, and sex: United States, 2016—Con.

[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, Tenth 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 breast (C50)	31,162	361	30,801	6,327	72	6,255	111	—	111
Malignant neoplasm of cervix uteri (C53)	2,619	...	2,619	723	...	723	15	...	15
Malignant neoplasms of corpus uteri and uterus, part unspecified (C54-C55)	7,391	...	7,391	2,048	...	2,048	23	...	23
Malignant neoplasm of ovary (C56)	11,269	...	11,269	1,315	...	1,315	44	...	44
Malignant neoplasm of prostate (C61)	22,633	22,633	...	5,019	5,019	...	80	80	...
Malignant neoplasms of kidney and renal pelvis (C64-C65)	10,821	7,011	3,810	1,325	846	479	31	25	6
Malignant neoplasm of bladder (C67)	14,333	10,487	3,846	1,245	717	528	47	31	16
Malignant neoplasms of meninges, brain and other parts of central nervous system (C70-C72)	13,986	7,983	6,003	1,065	584	481	25	15	10
Malignant neoplasms of lymphoid, hematopoietic and related tissue (C81-C96)	45,051	25,649	19,402	5,859	3,026	2,833	140	85	55
Hodgkin's disease (C81)	746	430	316	86	56	30	—	—	—
Non-Hodgkin's lymphoma (C82-C85)	16,421	9,181	7,240	1,486	788	698	50	37	13
Leukemia (C91-C95)	18,651	10,849	7,802	2,023	1,052	971	62	32	30
Multiple myeloma and immunoproliferative neoplasms (C88,C90)	9,151	5,138	4,013	2,253	1,122	1,131	28	16	12
Other and unspecified malignant neoplasms of lymphoid, hematopoietic and related tissue (C96)	82	51	31	11	8	3	—	—	—
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)	56,258	30,211	26,047	7,633	3,678	3,955	208	120	88
In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior (D00-D48)	12,964	6,958	6,006	1,352	660	692	41	25	16
Anemias (D50-D64)	3,759	1,588	2,171	1,101	478	623	14	8	6
Diabetes mellitus (E10-E14)	53,399	30,010	23,389	14,053	6,976	7,077	285	186	99
Nutritional deficiencies (E40-E64)	5,043	1,893	3,150	735	316	419	9	5	4
Malnutrition (E40-E46)	4,869	1,820	3,049	721	310	411	9	5	4
Other nutritional deficiencies (E50-E64)	174	73	101	14	6	8	—	—	—
Meningitis (G00,G03)	351	158	193	107	66	41	1	1	—
Parkinson's disease (G20-G21)	25,826	15,641	10,185	1,359	792	567	50	32	18
Alzheimer's disease (G30)	97,779	29,886	67,893	8,577	2,451	6,126	174	54	120
Major cardiovascular diseases (I00-I78)	651,495	330,858	320,637	103,726	52,418	51,308	2,884	1,763	1,121
Diseases of heart (I00-I09,I11,I13,I20-I51)	500,631	266,995	233,636	76,608	40,044	36,564	2,371	1,490	881

See footnotes at end of table.

Table I-12. Number of deaths from 113 selected causes, Enterocolitis due to *Clostridium difficile*, drug-induced causes, alcohol-induced causes, and injury by firearms, by Hispanic origin, race for non-Hispanic population, and sex: United States, 2016—Con.

[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, Tenth 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
Acute rheumatic fever and chronic rheumatic heart diseases (I00-I09)	2,901	985	1,916	285	100	185	10	4	6
Hypertensive heart disease (I11)	29,956	14,672	15,284	9,175	4,988	4,187	253	168	85
Hypertensive heart and renal disease (I13)	3,847	1,824	2,023	1,227	636	591	38	23	15
Ischemic heart diseases (I20-I25)	287,032	167,036	119,996	40,156	21,900	18,256	1,532	998	534
Acute myocardial infarction (I21-I22)	88,258	51,594	36,664	12,337	6,587	5,750	361	226	135
Other acute ischemic heart diseases (I24)	3,084	1,698	1,386	616	334	282	23	17	6
Other forms of chronic ischemic heart disease (I20,I25)	195,690	113,744	81,946	27,203	14,979	12,224	1,148	755	393
Atherosclerotic cardiovascular disease, so described (I25.0)	46,456	28,466	17,990	9,437	5,751	3,686	458	333	125
All other forms of chronic ischemic heart disease (I20,I25.1-I25.9)	149,234	85,278	63,956	17,766	9,228	8,538	690	422	268
Other heart diseases (I26-I51)	176,895	82,478	94,417	25,765	12,420	13,345	538	297	241
Acute and subacute endocarditis (I33)	1,109	662	447	187	106	81	7	4	3
Diseases of pericardium and acute myocarditis (I30-I31,I40)	684	360	324	135	64	71	3	3	—
Heart failure (I50)	64,681	29,155	35,526	8,361	3,777	4,584	150	85	65
All other forms of heart disease (I26-I28,I34-I38,I42-I49,I51)	110,421	52,301	58,120	17,082	8,473	8,609	378	205	173
Essential hypertension and hypertensive renal disease (I10,I12,I15)	23,237	9,906	13,331	5,924	2,805	3,119	124	64	60
Cerebrovascular diseases (I60-I69)	107,491	43,713	63,778	18,189	8,115	10,074	330	173	157
Atherosclerosis (I70)	4,785	2,070	2,715	522	215	307	12	6	6
Other diseases of circulatory system (I71-I78)	15,351	8,174	7,177	2,483	1,239	1,244	47	30	17
Aortic aneurysm and dissection (I71)	7,828	4,614	3,214	1,046	593	453	24	17	7
Other diseases of arteries, arterioles and capillaries (I72-I78)	7,523	3,560	3,963	1,437	646	791	23	13	10
Other disorders of circulatory system (I80-I99)	3,389	1,698	1,691	915	456	459	32	20	12
Influenza and pneumonia (J09-J18)	39,748	19,033	20,715	5,468	2,705	2,763	188	100	88
Influenza (J09-J11)	2,167	1,042	1,125	285	138	147	10	2	8
Pneumonia (J12-J18)	37,581	17,991	19,590	5,183	2,567	2,616	178	98	80
Other acute lower respiratory infections (J20-J22,U04)	193	90	103	34	17	17	1	—	1
Acute bronchitis and bronchiolitis (J20-J21)	149	72	77	31	15	16	—	—	—
Other and unspecified acute lower respiratory infections (J22,U04)	44	18	26	3	2	1	1	—	1
Chronic lower respiratory diseases (J40-J47)	135,268	62,945	72,323	10,838	5,519	5,319	436	258	178
Bronchitis, chronic and unspecified (J40-J42)	429	204	225	41	19	22	1	—	1
Emphysema (J43)	6,080	3,158	2,922	493	303	190	24	15	9
Asthma (J45-J46)	2,042	692	1,350	951	455	496	17	7	10

See footnotes at end of table.

Table I-12. Number of deaths from 113 selected causes, Enterocolitis due to *Clostridium difficile*, drug-induced causes, alcohol-induced causes, and injury by firearms, by Hispanic origin, race for non-Hispanic population, and sex: United States, 2016—Con.

[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, Tenth 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
Other chronic lower respiratory diseases (J44,J47)	126,717	58,891	67,826	9,353	4,742	4,611	394	236	158
Pneumoconioses and chemical effects (J60-J66,J68)	635	599	36	21	16	5	—	—	—
Pneumonitis due to solids and liquids (J69)	16,302	8,997	7,305	1,809	951	858	54	33	21
Other diseases of respiratory system (J00-J06,J30-J39,J67,J70-J98)	31,536	16,236	15,300	3,587	1,664	1,923	91	53	38
Peptic ulcer (K25-K28)	2,512	1,231	1,281	324	181	143	15	11	4
Diseases of appendix (K35-K38)	299	177	122	51	35	16	1	1	—
Hernia (K40-K46)	1,727	736	991	170	80	90	9	7	2
Chronic liver disease and cirrhosis (K70,K73-K74)	29,432	18,522	10,910	3,152	2,001	1,151	178	128	50
Alcoholic liver disease (K70)	15,527	10,576	4,951	1,598	1,051	547	123	91	32
Other chronic liver disease and cirrhosis (K73-K74)	13,905	7,946	5,959	1,554	950	604	55	37	18
Cholelithiasis and other disorders of gallbladder (K80-K82)	2,917	1,438	1,479	377	148	229	5	1	4
Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	35,248	18,216	17,032	9,200	4,348	4,852	132	73	59
Acute and rapidly progressive nephritic and nephrotic syndrome (N00-N01,N04)	393	214	179	107	49	58	3	2	1
Chronic glomerulonephritis, nephritis and nephropathy not specified as acute or chronic, and renal sclerosis unspecified (N02-N03,N05-N07,N26)	209	122	87	28	14	14	—	—	—
Renal failure (N17-N19)	34,633	17,872	16,761	9,060	4,282	4,778	129	71	58
Other disorders of kidney (N25,N27)	13	8	5	5	3	2	—	—	—
Infections of kidney (N10-N12,N13.6,N15.1)	623	211	412	85	35	50	5	3	2
Hyperplasia of prostate (N40)	517	517	...	56	56	...	3	3	...
Inflammatory diseases of female pelvic organs (N70-N76)	93	...	93	28	...	28	—	...	—
Pregnancy, childbirth and the puerperium (O00-O99)	575	...	575	393	...	393	4	...	4
Pregnancy with abortive outcome (O00-O07)	8	...	8	10	...	10	—	...	—
Other complications of pregnancy, childbirth and the puerperium (O10-O99)	567	...	567	383	...	383	4	...	4
Certain conditions originating in the perinatal period (P00-P96)	4,526	2,508	2,018	3,775	2,101	1,674	135	80	55
Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	6,222	3,203	3,019	1,630	864	766	44	19	25
Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified (R00-R99)	25,465	11,499	13,966	4,462	2,312	2,150	206	136	70
All other diseases (residual)	259,580	108,571	151,009	34,872	15,105	19,767	959	531	428
Accidents (unintentional injuries) (V01-X59,Y85-Y86)	121,641	76,033	45,608	18,089	12,453	5,636	732	535	197
Transport accidents (V01-V99,Y85)	28,444	20,292	8,152	6,225	4,548	1,677	102	79	23

See footnotes at end of table.

Table I-12. Number of deaths from 113 selected causes, Enterocolitis due to *Clostridium difficile*, drug-induced causes, alcohol-induced causes, and injury by firearms, by Hispanic origin, race for non-Hispanic population, and sex: United States, 2016—Con.

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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
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)	26,453	18,711	7,742	5,919	4,287	1,632	92	69	23
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)	672	518	154	148	130	18	4	4	—
Water, air and space, and other and unspecified transport accidents and their sequelae (V90-V99, Y85)	1,319	1,063	256	158	131	27	6	6	—
Nontransport accidents (W00-X59, Y86)	93,197	55,741	37,456	11,864	7,905	3,959	630	456	174
Falls (W00-W19)	29,935	14,538	15,397	1,588	954	634	96	70	26
Accidental discharge of firearms (W32-W34)	311	263	48	110	94	16	1	1	—
Accidental drowning and submersion (W65-W74)	2,406	1,811	595	610	495	115	13	11	2
Accidental exposure to smoke, fire and flames (X00-X09)	1,937	1,131	806	540	313	227	12	6	6
Accidental poisoning and exposure to noxious substances (X40-X49)	44,608	29,866	14,742	6,725	4,654	2,071	430	311	119
Other and unspecified nontransport accidents and their sequelae (W20-W31, W35-W64, W75-W99, X10-X39, X50-X59, Y86)	14,000	8,132	5,868	2,291	1,395	896	78	57	21
Intentional self-harm (suicide) (*U03, X60-X84, Y87.0)	36,531	28,110	8,421	2,676	2,137	539	147	118	29
Intentional self-harm (suicide) by discharge of firearms (X72-X74)	19,699	16,811	2,888	1,350	1,171	179	43	40	3
Intentional self-harm (suicide) by other and unspecified means and their sequelae (*U03, X60-X71, X75-X84, Y87.0)	16,832	11,299	5,533	1,326	966	360	104	78	26
Assault (homicide) (*U01-*U02, X85-Y09, Y87.1)	5,600	3,766	1,834	9,860	8,532	1,328	71	59	12
Assault (homicide) by discharge of firearms (*U01.4, X93-X95)	3,370	2,412	958	8,343	7,490	853	33	30	3
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)	2,230	1,354	876	1,517	1,042	475	38	29	9
Legal intervention (Y35, Y89.0)	306	290	16	115	111	4	2	2	—
Events of undetermined intent (Y10-Y34, Y87.2, Y89.9)	4,156	2,582	1,574	942	668	274	26	17	9
Discharge of firearms, undetermined intent (Y22-Y24)	195	141	54	62	47	15	4	3	1
Other and unspecified events of undetermined intent and their sequelae (Y10-Y21, Y25-Y34, Y87.2, Y89.9)	3,961	2,441	1,520	880	621	259	22	14	8

Table I-12. Number of deaths from 113 selected causes, Enterocolitis due to *Clostridium difficile*, drug-induced causes, alcohol-induced causes, and injury by firearms, by Hispanic origin, race for non-Hispanic population, and sex: United States, 2016—Con.

[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, Tenth 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
Operations of war and their sequelae (Y36,Y89.1)	15	15	–	2	2	–	–	–	–
Complications of medical and surgical care (Y40–Y84,Y88)	2,350	1,207	1,143	510	228	282	12	12	–
Enterocolitis due to <i>Clostridium difficile</i> (A04.7) ⁴	5,518	2,195	3,323	609	252	357	23	9	14
Drug-induced deaths ^{5,6}	52,156	33,288	18,868	7,719	5,292	2,427	471	333	138
Alcohol-induced deaths ^{5,7}	25,323	18,000	7,323	2,963	2,118	845	228	181	47
Injury by firearms ^{5,8}	23,857	19,893	3,964	9,973	8,906	1,067	83	76	7

– 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 49 states and the District of Columbia in 2016; 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 injury by firearms, by Hispanic origin, race for non-Hispanic population, and sex: United States, 2016

[Rates 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, 2016; 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, Tenth 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	849.3	880.2	819.3	327.6	356.8	297.7	958.8	992.8	926.2
Salmonella infections (A01-A02)	0.0	0.0	*	*	*	*	0.0	*	*
Shigellosis and amebiasis (A03,A06)	*	*	*	*	*	*	*	*	*
Certain other intestinal infections (A04,A07-A09)	2.9	2.4	3.4	1.1	1.0	1.3	3.3	2.6	3.8
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	0.2	0.1	0.1	0.2	0.1	0.1	0.2	0.1
Other tuberculosis (A17-A19)	0.0	0.1	0.0	0.0	*	*	0.0	0.1	0.0
Whooping cough (A37)	*	*	*	*	*	*	*	*	*
Scarlet fever and erysipelas (A38,A46)	*	*	*	*	*	*	*	*	*
Meningococcal infection (A39)	0.0	0.0	*	*	*	*	0.0	*	*
Septicemia (A40-A41)	12.6	12.4	12.8	4.7	4.8	4.7	14.2	14.0	14.4
Syphilis (A50-A53)	0.0	0.0	*	*	*	*	0.0	*	*
Acute poliomyelitis (A80)	*	*	*	*	*	*	*	*	*
Arthropod-borne viral encephalitis (A83-A84,A85.2)	*	*	*	*	*	*	*	*	*
Measles (B05)	*	*	*	*	*	*	*	*	*
Viral hepatitis (B15-B19)	2.0	2.6	1.4	1.7	2.3	1.1	2.0	2.7	1.4
Human immunodeficiency virus (HIV) disease (B20-B24)	1.9	2.9	1.0	1.4	2.2	0.6	2.0	3.0	1.1
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)	2.1	2.3	2.0	1.1	1.1	1.0	2.3	2.5	2.2
Malignant neoplasms (C00-C97)	185.1	197.7	172.8	68.3	70.7	65.9	209.7	225.4	194.7
Malignant neoplasms of lip, oral cavity and pharynx (C00-C14)	3.1	4.5	1.8	0.9	1.3	0.5	3.6	5.2	2.1
Malignant neoplasm of esophagus (C15)	4.8	7.7	1.9	1.2	1.9	0.5	5.5	9.0	2.2
Malignant neoplasm of stomach (C16)	3.5	4.3	2.8	3.1	3.3	2.9	3.6	4.5	2.8
Malignant neoplasms of colon, rectum and anus (C18-C21)	16.4	17.6	15.4	6.8	7.5	6.0	18.5	19.7	17.3
Malignant neoplasms of liver and intrahepatic bile ducts (C22)	8.2	11.2	5.3	6.1	8.2	3.9	8.7	11.8	5.6
Malignant neoplasm of pancreas (C25)	13.2	13.8	12.7	5.1	5.1	5.0	15.0	15.6	14.3
Malignant neoplasm of larynx (C32)	1.2	1.9	0.5	0.4	0.7	0.1	1.4	2.2	0.6
Malignant neoplasms of trachea, bronchus and lung (C33-C34)	46.1	50.8	41.5	9.7	11.2	8.0	53.8	59.4	48.4

See footnotes at end of table.

Table I-13. Death rates for 113 selected causes, Enterocolitis due to *Clostridium difficile*, drug-induced causes, alcohol-induced causes, and injury by firearms, by Hispanic origin, race for non-Hispanic population, and sex: United States, 2016—Con.

[Rates 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, 2016; 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, Tenth 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 melanoma of skin (C43)	2.5	3.4	1.7	0.4	0.5	0.3	3.0	4.1	2.0
Malignant neoplasm of breast (C50)	13.0	0.3	25.3	5.2	0.1	10.4	14.6	0.3	28.3
Malignant neoplasm of cervix uteri (C53)	1.3	...	2.6	1.1	...	2.2	1.3	...	2.6
Malignant neoplasms of corpus uteri and uterus, part unspecified (C54-C55)	3.3	...	6.5	1.5	...	3.0	3.7	...	7.3
Malignant neoplasm of ovary (C56)	4.4	...	8.7	1.7	...	3.5	5.0	...	9.7
Malignant neoplasm of prostate (C61)	9.4	19.1	...	3.4	6.6	...	10.7	21.8	...
Malignant neoplasms of kidney and renal pelvis (C64-C65)	4.3	5.7	3.0	2.2	2.9	1.4	4.7	6.3	3.3
Malignant neoplasm of bladder (C67)	5.2	7.5	2.9	1.2	1.6	0.7	6.0	8.8	3.3
Malignant neoplasms of meninges, brain and other parts of central nervous system (C70-C72)	5.2	6.0	4.5	2.2	2.3	2.1	5.9	6.8	5.0
Malignant neoplasms of lymphoid, hematopoietic and related tissue (C81-C96)	17.7	20.3	15.2	7.6	8.4	6.8	19.8	22.8	17.0
Hodgkin's disease (C81)	0.3	0.4	0.3	0.2	0.3	0.2	0.3	0.4	0.3
Non-Hodgkin's lymphoma (C82-C85)	6.3	7.1	5.5	2.7	3.0	2.4	7.0	8.0	6.1
Leukemia (C91-C95)	7.2	8.3	6.0	3.0	3.3	2.7	8.0	9.5	6.7
Multiple myeloma and immunoproliferative neoplasms (C88,C90)	3.9	4.4	3.5	1.7	1.9	1.5	4.4	5.0	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)	22.1	23.8	20.5	8.7	8.9	8.5	24.9	27.0	23.0
In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior (D00-D48)	4.9	5.3	4.5	1.6	1.7	1.6	5.6	6.0	5.1
Anemias (D50-D64)	1.7	1.4	1.9	0.5	0.5	0.6	1.9	1.6	2.1
Diabetes mellitus (E10-E14)	24.8	27.5	22.1	14.9	15.9	13.9	26.8	30.0	23.8
Nutritional deficiencies (E40-E64)	2.0	1.5	2.4	0.6	0.5	0.8	2.2	1.8	2.7
Malnutrition (E40-E46)	1.9	1.5	2.3	0.6	0.5	0.7	2.2	1.7	2.6
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's disease (G20-G21)	9.2	11.2	7.2	2.8	3.2	2.5	10.5	13.0	8.2
Alzheimer's disease (G30)	35.9	22.2	49.2	11.9	7.4	16.5	41.1	25.5	56.0

See footnotes at end of table.

Table I-13. Death rates for 113 selected causes, Enterocolitis due to *Clostridium difficile*, drug-induced causes, alcohol-induced causes, and injury by firearms, by Hispanic origin, race for non-Hispanic population, and sex: United States, 2016—Con.

[Rates 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, 2016; 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, Tenth 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
Major cardiovascular diseases (I00-I78)	258.7	267.8	249.9	90.4	95.3	85.3	294.0	305.0	283.6
Diseases of heart (I00-I09,I11,I13,I20-I51)	196.6	213.3	180.4	65.8	72.2	59.2	224.0	243.6	205.2
Acute rheumatic fever and chronic rheumatic heart diseases (I00-I09)	1.1	0.8	1.4	0.4	0.3	0.5	1.3	0.9	1.6
Hypertensive heart disease (I11)	13.5	13.9	13.1	5.2	5.7	4.7	15.2	15.7	14.8
Hypertensive heart and renal disease (I13)	1.8	1.8	1.8	0.8	0.7	0.8	2.0	2.0	2.0
Ischemic heart diseases (I20-I25)	112.5	132.1	93.4	41.0	47.2	34.7	127.4	150.3	105.4
Acute myocardial infarction (I21-I22)	34.6	40.7	28.7	12.9	14.9	10.8	39.1	46.3	32.3
Other acute ischemic heart diseases (I24)	1.2	1.4	1.1	0.3	0.3	0.3	1.4	1.6	1.3
Other forms of chronic ischemic heart disease (I20,I25)	76.6	90.0	63.7	27.8	32.0	23.6	86.8	102.4	71.8
Atherosclerotic cardiovascular disease, so described (I25.0)	19.3	24.2	14.6	7.3	9.5	5.0	21.8	27.3	16.5
All other forms of chronic ischemic heart disease (I20,I25.1-I25.9)	57.3	65.8	49.1	20.5	22.4	18.6	65.0	75.2	55.3
Other heart diseases (I26-I51)	67.7	64.7	70.6	18.4	18.3	18.5	78.2	74.8	81.4
Acute and subacute endocarditis (I33)	0.5	0.6	0.4	0.2	0.3	0.2	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	0.1	0.3	0.3	0.3
Heart failure (I50)	24.2	22.3	26.2	6.3	5.9	6.7	28.1	25.8	30.2
All other forms of heart disease (I26-I28,I34-I38,I42-I49,I51)	42.7	41.6	43.8	11.8	11.9	11.6	49.3	48.0	50.5
Essential hypertension and hypertensive renal disease (I10,I12,I15)	10.3	9.2	11.4	4.3	4.1	4.5	11.5	10.3	12.8
Cerebrovascular diseases (I60-I69)	44.0	37.3	50.5	17.9	16.5	19.3	49.5	41.8	56.9
Atherosclerosis (I70)	1.8	1.6	2.0	0.5	0.4	0.5	2.0	1.8	2.3
Other diseases of circulatory system (I71-I78)	6.1	6.5	5.6	1.9	2.1	1.7	6.9	7.5	6.4
Aortic aneurysm and dissection (I71)	3.0	3.6	2.4	0.9	1.1	0.6	3.5	4.2	2.8
Other diseases of arteries, arterioles and capillaries (I72-I78)	3.0	2.9	3.2	1.0	1.0	1.1	3.5	3.3	3.6
Other disorders of circulatory system (I80-I99)	1.5	1.5	1.4	0.5	0.5	0.5	1.7	1.7	1.6
Influenza and pneumonia (J09-J18)	15.9	15.7	16.2	6.3	6.5	6.2	18.0	17.7	18.2
Influenza (J09-J11)	0.9	0.9	0.9	0.5	0.6	0.5	1.0	1.0	1.0
Pneumonia (J12-J18)	15.1	14.8	15.3	5.8	5.9	5.7	17.0	16.7	17.2
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)	47.8	45.9	49.7	9.2	9.5	8.9	56.0	53.8	58.1

Table I-13. Death rates for 113 selected causes, Enterocolitis due to *Clostridium difficile*, drug-induced causes, alcohol-induced causes, and injury by firearms, by Hispanic origin, race for non-Hispanic population, and sex: United States, 2016—Con.

[Rates 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, 2016; 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, Tenth 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
Bronchitis, chronic and unspecified (J40-J42)	0.2	0.2	0.2	0.1	0.1	*	0.2	0.2	0.2
Emphysema (J43)	2.2	2.3	2.0	0.4	0.5	0.4	2.5	2.7	2.3
Asthma (J45-J46)	1.1	0.9	1.3	0.6	0.5	0.7	1.2	0.9	1.4
Other chronic lower respiratory diseases (J44,J47)	44.4	42.6	46.2	8.1	8.5	7.8	52.1	50.0	54.2
Pneumoconioses and chemical effects (J60-J66,J68)	0.2	0.4	0.0	0.1	0.1	*	0.3	0.5	0.0
Pneumonitis due to solids and liquids (J69)	6.1	6.8	5.4	1.7	1.9	1.5	7.0	7.9	6.2
Other diseases of respiratory system (J00-J06,J30-J39,J67,J70-J98)	12.1	12.6	11.7	4.9	4.9	4.9	13.7	14.2	13.1
Peptic ulcer (K25-K28)	1.0	1.0	1.0	0.4	0.5	0.3	1.1	1.1	1.1
Diseases of appendix (K35-K38)	0.1	0.2	0.1	0.1	0.1	*	0.1	0.2	0.1
Hernia (K40-K46)	0.6	0.6	0.7	0.3	0.2	0.3	0.7	0.6	0.8
Chronic liver disease and cirrhosis (K70,K73-K74)	12.5	16.2	9.0	10.7	14.6	6.7	12.9	16.5	9.4
Alcoholic liver disease (K70)	6.8	9.5	4.1	6.1	9.6	2.6	6.8	9.4	4.3
Other chronic liver disease and cirrhosis (K73-K74)	5.8	6.7	4.9	4.6	5.0	4.1	6.0	7.1	5.1
Cholelithiasis and other disorders of gallbladder (K80-K82)	1.2	1.1	1.2	0.6	0.5	0.6	1.3	1.3	1.3
Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	15.5	16.0	15.0	6.6	6.7	6.5	17.4	18.0	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)	15.2	15.7	14.8	6.5	6.5	6.4	17.1	17.7	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	0.1	0.3	0.2	0.4
Hyperplasia of prostate (N40)	0.2	0.4	...	0.1	0.1	...	0.2	0.5	...
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	...	0.8	0.3	...	0.7	0.4	...	0.8
Pregnancy with abortive outcome (O00-O07)	0.0	...	0.0	*	...	*	*	...	*
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)	3.6	4.0	3.1	4.2	4.6	3.7	3.4	3.8	2.9

See footnotes at end of table.

Table I-13. Death rates for 113 selected causes, Enterocolitis due to *Clostridium difficile*, drug-induced causes, alcohol-induced causes, and injury by firearms, by Hispanic origin, race for non-Hispanic population, and sex: United States, 2016—Con.

[Rates 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, 2016; 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, Tenth 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
Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	3.1	3.3	3.0	3.1	3.3	3.0	3.1	3.3	2.9
Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified (R00–R99)	10.3	10.0	10.7	4.1	4.9	3.3	11.6	11.0	12.2
All other diseases (residual)	99.8	86.0	113.2	32.4	30.4	34.5	114.0	98.0	129.4
Accidents (unintentional injuries) (V01–X59, Y85–Y86)	49.9	65.3	35.1	27.3	39.7	14.8	54.6	70.6	39.2
Transport accidents (V01–V99, Y85)	13.3	19.4	7.5	11.1	16.1	6.1	13.8	20.0	7.7
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)	12.5	18.0	7.1	10.6	15.3	5.8	12.8	18.5	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	0.1	0.3	0.4	0.1	0.3	0.5	0.1
Water, air and space, and other and unspecified transport accidents and their sequelae (V90–V99, Y85)	0.5	0.9	0.2	0.2	0.4	0.1	0.6	1.0	0.2
Nontransport accidents (W00–X59, Y86)	36.6	45.9	27.6	16.2	23.6	8.7	40.8	50.6	31.4
Falls (W00–W19)	10.7	10.9	10.5	3.4	4.3	2.6	12.3	12.4	12.2
Accidental discharge of firearms (W32–W34)	0.2	0.3	0.0	0.1	0.2	*	0.2	0.3	0.0
Accidental drowning and submersion (W65–W74)	1.2	1.8	0.5	0.9	1.5	0.3	1.2	1.9	0.6
Accidental exposure to smoke, fire and flames (X00–X09)	0.8	1.0	0.7	0.3	0.4	0.2	1.0	1.1	0.8
Accidental poisoning and exposure to noxious substances (X40–X49)	18.1	25.0	11.3	9.1	14.0	4.2	19.8	27.2	12.7
Other and unspecified nontransport accidents and their sequelae (W20–W31, W35–W64, W75–W99, X10–X39, X50–X59, Y86)	5.7	6.9	4.5	2.4	3.3	1.4	6.4	7.6	5.1
Intentional self-harm (suicide) (*U03, X60–X84, Y87.0)	13.9	21.8	6.2	6.4	10.1	2.5	15.5	24.3	7.0
Intentional self-harm (suicide) by discharge of firearms (X72–X74)	7.1	12.4	2.0	2.3	4.0	0.5	8.1	14.2	2.3
Intentional self-harm (suicide) by other and unspecified means and their sequelae (*U03, X60–X71, X75–X84, Y87.0)	6.8	9.5	4.2	4.1	6.2	2.0	7.4	10.2	4.7
Assault (homicide) (*U01–*U02, X85–Y09, Y87.1)	6.0	9.7	2.4	5.5	9.2	1.9	6.1	9.8	2.5
Assault (homicide) by discharge of firearms (*U01.4, X93–X95)	4.5	7.7	1.3	4.0	6.9	1.0	4.6	7.8	1.4
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)	1.5	2.0	1.0	1.6	2.3	0.8	1.5	2.0	1.1

See footnotes at end of table.

Table I-13. Death rates for 113 selected causes, Enterocolitis due to *Clostridium difficile*, drug-induced causes, alcohol-induced causes, and injury by firearms, by Hispanic origin, race for non-Hispanic population, and sex: United States, 2016—Con.

[Rates 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, 2016; 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, Tenth 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
Legal intervention (Y35,Y89.0)	0.2	0.3	0.0	0.2	0.3	*	0.2	0.3	0.0
Events of undetermined intent (Y10–Y34,Y87.2,Y89.9)	1.8	2.3	1.3	0.7	0.9	0.4	2.0	2.6	1.4
Discharge of firearms, undetermined intent (Y22–Y24)	0.1	0.1	0.0	0.0	0.1	*	0.1	0.2	0.1
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	0.8	0.4	1.9	2.5	1.4
Operations of war and their sequelae (Y36,Y89.1)	*	*	*	*	*	*	*	*	*
Complications of medical and surgical care (Y40–Y84,Y88)	1.0	1.0	1.0	0.4	0.4	0.4	1.1	1.1	1.1
Enterocolitis due to <i>Clostridium difficile</i> (A04.7) ⁴	2.1	1.7	2.5	0.8	0.6	0.9	2.4	1.9	2.8
Drug-induced deaths ^{5,6}	20.8	27.6	14.2	9.6	14.2	5.0	23.1	30.3	16.1
Alcohol-induced deaths ^{5,7}	10.8	15.9	5.9	8.2	13.1	3.2	11.3	16.3	6.4
Injury by firearms ^{5,8}	12.0	20.7	3.5	6.6	11.4	1.6	13.1	22.8	3.8

Table I-13. Death rates for 113 selected causes, Enterocolitis due to *Clostridium difficile*, drug-induced causes, alcohol-induced causes, and injury by firearms, by Hispanic origin, race for non-Hispanic population, and sex: United States, 2016—Con.

[Rates 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, 2016; 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, Tenth 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	1,059.7	1,085.6	1,034.6	775.5	836.2	719.7
Salmonella infections (A01-A02)	0.0	*	*	*	*	*
Shigellosis and amebiasis (A03,A06)	*	*	*	*	*	*
Certain other intestinal infections (A04,A07-A09)	3.7	3.0	4.5	2.1	1.9	2.4
Tuberculosis (A16-A19)	0.1	0.1	0.1	0.3	0.4	0.2
Respiratory tuberculosis (A16)	0.1	0.1	0.0	0.2	0.3	0.2
Other tuberculosis (A17-A19)	0.0	0.0	0.0	*	*	*
Whooping cough (A37)	*	*	*	*	*	*
Scarlet fever and erysipelas (A38,A46)	*	*	*	*	*	*
Meningococcal infection (A39)	*	*	*	*	*	*
Septicemia (A40-A41)	14.9	14.7	15.1	15.9	15.2	16.4
Syphilis (A50-A53)	*	*	*	0.0	*	*
Acute poliomyelitis (A80)	*	*	*	*	*	*
Arthropod-borne viral encephalitis (A83-A84,A85.2)	*	*	*	*	*	*
Measles (B05)	*	*	*	*	*	*
Viral hepatitis (B15-B19)	2.0	2.7	1.4	2.2	2.9	1.5
Human immunodeficiency virus (HIV) disease (B20-B24)	1.0	1.7	0.3	7.5	10.3	4.9
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)	2.5	2.7	2.4	2.0	2.2	1.8
Malignant neoplasms (C00-C97)	231.7	249.1	214.8	165.5	174.5	157.1
Malignant neoplasms of lip, oral cavity and pharynx (C00-C14)	4.0	5.6	2.4	2.6	4.0	1.4
Malignant neoplasm of esophagus (C15)	6.5	10.6	2.5	3.0	4.5	1.7
Malignant neoplasm of stomach (C16)	3.2	4.0	2.5	4.8	6.2	3.5
Malignant neoplasms of colon, rectum and anus (C18-C21)	19.8	21.0	18.6	17.2	18.7	15.9
Malignant neoplasms of liver and intrahepatic bile ducts (C22)	8.6	11.7	5.6	8.8	12.3	5.5
Malignant neoplasm of pancreas (C25)	16.4	17.3	15.5	12.4	12.2	12.5
Malignant neoplasm of larynx (C32)	1.4	2.3	0.6	1.5	2.5	0.6
Malignant neoplasms of trachea, bronchus and lung (C33-C34)	60.8	66.2	55.7	37.6	44.7	31.1

Table I-13. Death rates for 113 selected causes, Enterocolitis due to *Clostridium difficile*, drug-induced causes, alcohol-induced causes, and injury by firearms, by Hispanic origin, race for non-Hispanic population, and sex: United States, 2016—Con.

[Rates 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, 2016; 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, Tenth 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 melanoma of skin (C43)	3.9	5.2	2.5	0.2	0.2	0.2
Malignant neoplasm of breast (C50)	15.5	0.4	30.2	15.0	0.4	28.5
Malignant neoplasm of cervix uteri (C53)	1.3	...	2.6	1.7	...	3.3
Malignant neoplasms of corpus uteri and uterus, part unspecified (C54-C55)	3.7	...	7.2	4.9	...	9.3
Malignant neoplasm of ovary (C56)	5.6	...	11.0	3.1	...	6.0
Malignant neoplasm of prostate (C61)	11.2	22.8	...	11.9	24.9	...
Malignant neoplasms of kidney and renal pelvis (C64-C65)	5.4	7.1	3.7	3.1	4.2	2.2
Malignant neoplasm of bladder (C67)	7.1	10.6	3.8	3.0	3.6	2.4
Malignant neoplasms of meninges, brain and other parts of central nervous system (C70-C72)	6.9	8.0	5.9	2.5	2.9	2.2
Malignant neoplasms of lymphoid, hematopoietic and related tissue (C81-C96)	22.4	25.8	19.0	13.9	15.0	12.9
Hodgkin's disease (C81)	0.4	0.4	0.3	0.2	0.3	0.1
Non-Hodgkin's lymphoma (C82-C85)	8.2	9.3	7.1	3.5	3.9	3.2
Leukemia (C91-C95)	9.3	10.9	7.6	4.8	5.2	4.4
Multiple myeloma and immunoproliferative neoplasms (C88,C90)	4.5	5.2	3.9	5.3	5.6	5.2
Other and unspecified malignant neoplasms of lymphoid, hematopoietic and related tissue (C96)	0.0	0.1	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)	27.9	30.4	25.5	18.1	18.2	18.0
In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior (D00-D48)	6.4	7.0	5.9	3.2	3.3	3.2
Anemias (D50-D64)	1.9	1.6	2.1	2.6	2.4	2.8
Diabetes mellitus (E10-E14)	26.5	30.2	22.9	33.3	34.6	32.2
Nutritional deficiencies (E40-E64)	2.5	1.9	3.1	1.7	1.6	1.9
Malnutrition (E40-E46)	2.4	1.8	3.0	1.7	1.5	1.9
Other nutritional deficiencies (E50-E64)	0.1	0.1	0.1	*	*	*
Meningitis (G00,G03)	0.2	0.2	0.2	0.3	0.3	0.2
Parkinson's disease (G20-G21)	12.8	15.8	10.0	3.2	3.9	2.6
Alzheimer's disease (G30)	48.6	30.1	66.5	20.4	12.1	27.9

See footnotes at end of table.

Table I-13. Death rates for 113 selected causes, Enterocolitis due to *Clostridium difficile*, drug-induced causes, alcohol-induced causes, and injury by firearms, by Hispanic origin, race for non-Hispanic population, and sex: United States, 2016—Con.

[Rates 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, 2016; 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, Tenth 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
Major cardiovascular diseases (I00-I78)	323.6	333.4	314.1	246.1	259.7	233.6
Diseases of heart (I00-I09,I11,I13,I20-I51)	248.7	269.0	228.9	181.8	198.4	166.5
Acute rheumatic fever and chronic rheumatic heart diseases (I00-I09)	1.4	1.0	1.9	0.7	0.5	0.8
Hypertensive heart disease (I11)	14.9	14.8	15.0	21.8	24.7	19.1
Hypertensive heart and renal disease (I13)	1.9	1.8	2.0	2.9	3.2	2.7
Ischemic heart diseases (I20-I25)	142.6	168.3	117.6	95.3	108.5	83.1
Acute myocardial infarction (I21-I22)	43.8	52.0	35.9	29.3	32.6	26.2
Other acute ischemic heart diseases (I24)	1.5	1.7	1.4	1.5	1.7	1.3
Other forms of chronic ischemic heart disease (I20,I25)	97.2	114.6	80.3	64.6	74.2	55.7
Atherosclerotic cardiovascular disease, so described (I25.0)	23.1	28.7	17.6	22.4	28.5	16.8
All other forms of chronic ischemic heart disease (I20,I25.1-I25.9)	74.1	85.9	62.7	42.2	45.7	38.9
Other heart diseases (I26-I51)	87.9	83.1	92.5	61.1	61.5	60.8
Acute and subacute endocarditis (I33)	0.6	0.7	0.4	0.4	0.5	0.4
Diseases of pericardium and acute myocarditis (I30-I31,I40)	0.3	0.4	0.3	0.3	0.3	0.3
Heart failure (I50)	32.1	29.4	34.8	19.8	18.7	20.9
All other forms of heart disease (I26-I28,I34-I38,I42-I49,I51)	54.8	52.7	56.9	40.5	42.0	39.2
Essential hypertension and hypertensive renal disease (I10,I12,I15)	11.5	10.0	13.1	14.1	13.9	14.2
Cerebrovascular diseases (I60-I69)	53.4	44.0	62.5	43.2	40.2	45.9
Atherosclerosis (I70)	2.4	2.1	2.7	1.2	1.1	1.4
Other diseases of circulatory system (I71-I78)	7.6	8.2	7.0	5.9	6.1	5.7
Aortic aneurysm and dissection (I71)	3.9	4.6	3.1	2.5	2.9	2.1
Other diseases of arteries, arterioles and capillaries (I72-I78)	3.7	3.6	3.9	3.4	3.2	3.6
Other disorders of circulatory system (I80-I99)	1.7	1.7	1.7	2.2	2.3	2.1
Influenza and pneumonia (J09-J18)	19.7	19.2	20.3	13.0	13.4	12.6
Influenza (J09-J11)	1.1	1.0	1.1	0.7	0.7	0.7
Pneumonia (J12-J18)	18.7	18.1	19.2	12.3	12.7	11.9
Other acute lower respiratory infections (J20-J22,U04)	0.1	0.1	0.1	0.1	*	*
Acute bronchitis and bronchiolitis (J20-J21)	0.1	0.1	0.1	0.1	*	*
Other and unspecified acute lower respiratory infections (J22,U04)	0.0	*	0.0	*	*	*
Chronic lower respiratory diseases (J40-J47)	67.2	63.4	70.8	25.7	27.3	24.2

See footnotes at end of table.

Table I-13. Death rates for 113 selected causes, Enterocolitis due to *Clostridium difficile*, drug-induced causes, alcohol-induced causes, and injury by firearms, by Hispanic origin, race for non-Hispanic population, and sex: United States, 2016—Con.

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Cause of death (based on ICD-10)	Non-Hispanic white ³			Non-Hispanic black ³		
	Both sexes	Male	Female	Both sexes	Male	Female
Bronchitis, chronic and unspecified (J40–J42)	0.2	0.2	0.2	0.1	*	0.1
Emphysema (J43)	3.0	3.2	2.9	1.2	1.5	0.9
Asthma (J45–J46)	1.0	0.7	1.3	2.3	2.3	2.3
Other chronic lower respiratory diseases (J44,J47)	62.9	59.3	66.4	22.2	23.5	21.0
Pneumoconioses and chemical effects (J60–J66,J68)	0.3	0.6	0.0	0.0	*	*
Pneumonitis due to solids and liquids (J69)	8.1	9.1	7.2	4.3	4.7	3.9
Other diseases of respiratory system (J00–J06,J30–J39,J67,J70–J98)	15.7	16.4	15.0	8.5	8.2	8.8
Peptic ulcer (K25–K28)	1.2	1.2	1.3	0.8	0.9	0.7
Diseases of appendix (K35–K38)	0.1	0.2	0.1	0.1	0.2	*
Hernia (K40–K46)	0.9	0.7	1.0	0.4	0.4	0.4
Chronic liver disease and cirrhosis (K70,K73–K74)	14.6	18.7	10.7	7.5	9.9	5.2
Alcoholic liver disease (K70)	7.7	10.7	4.9	3.8	5.2	2.5
Other chronic liver disease and cirrhosis (K73–K74)	6.9	8.0	5.8	3.7	4.7	2.8
Cholelithiasis and other disorders of gallbladder (K80–K82)	1.4	1.4	1.4	0.9	0.7	1.0
Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27)	17.5	18.4	16.7	21.8	21.5	22.1
Acute and rapidly progressive nephritic and nephrotic syndrome (N00–N01,N04)	0.2	0.2	0.2	0.3	0.2	0.3
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)	17.2	18.0	16.4	21.5	21.2	21.8
Other disorders of kidney (N25,N27)	*	*	*	*	*	*
Infections of kidney (N10–N12,N13.6,N15.1)	0.3	0.2	0.4	0.2	0.2	0.2
Hyperplasia of prostate (N40)	0.3	0.5	...	0.1	0.3	...
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	...	0.6	0.9	...	1.8
Pregnancy with abortive outcome (O00–O07)	*	...	*	*	...	*
Other complications of pregnancy, childbirth and the puerperium (O10–O99)	0.3	...	0.6	0.9	...	1.7
Certain conditions originating in the perinatal period (P00–P96)	2.2	2.5	2.0	9.0	10.4	7.6

See footnotes at end of table.

Table I-13. Death rates for 113 selected causes, Enterocolitis due to *Clostridium difficile*, drug-induced causes, alcohol-induced causes, and injury by firearms, by Hispanic origin, race for non-Hispanic population, and sex: United States, 2016—Con.

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Cause of death (based on ICD-10)	Non-Hispanic white ³			Non-Hispanic black ³		
	Both sexes	Male	Female	Both sexes	Male	Female
Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	3.1	3.2	3.0	3.9	4.3	3.5
Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified (R00-R99)	12.6	11.6	13.7	10.6	11.5	9.8
All other diseases (residual)	128.9	109.4	147.9	82.7	74.8	90.0
Accidents (unintentional injuries) (V01-X59, Y85-Y86)	60.4	76.6	44.7	42.9	61.7	25.7
Transport accidents (V01-V99, Y85)	14.1	20.4	8.0	14.8	22.5	7.6
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)	13.1	18.9	7.6	14.0	21.2	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	0.4	0.6	*
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	0.1
Nontransport accidents (W00-X59, Y86)	46.3	56.2	36.7	28.2	39.2	18.0
Falls (W00-W19)	14.9	14.6	15.1	3.8	4.7	2.9
Accidental discharge of firearms (W32-W34)	0.2	0.3	0.0	0.3	0.5	*
Accidental drowning and submersion (W65-W74)	1.2	1.8	0.6	1.4	2.5	0.5
Accidental exposure to smoke, fire and flames (X00-X09)	1.0	1.1	0.8	1.3	1.6	1.0
Accidental poisoning and exposure to noxious substances (X40-X49)	22.2	30.1	14.4	16.0	23.1	9.4
Other and unspecified nontransport accidents and their sequelae (W20-W31, W35-W64, W75-W99, X10-X39, X50-X59, Y86)	7.0	8.2	5.7	5.4	6.9	4.1
Intentional self-harm (suicide) (*U03, X60-X84, Y87.0)	18.1	28.3	8.2	6.4	10.6	2.5
Intentional self-harm (suicide) by discharge of firearms (X72-X74)	9.8	16.9	2.8	3.2	5.8	0.8
Intentional self-harm (suicide) by other and unspecified means and their sequelae (*U03, X60-X71, X75-X84, Y87.0)	8.4	11.4	5.4	3.1	4.8	1.6
Assault (homicide) (*U01-*U02, X85-Y09, Y87.1)	2.8	3.8	1.8	23.4	42.3	6.0
Assault (homicide) by discharge of firearms (*U01.4, X93-X95)	1.7	2.4	0.9	19.8	37.1	3.9
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	0.9	3.6	5.2	2.2

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Cause of death (based on ICD-10)	Non-Hispanic white ³			Non-Hispanic black ³		
	Both sexes	Male	Female	Both sexes	Male	Female
Legal intervention (Y35,Y89.0)	0.2	0.3	*	0.3	0.6	*
Events of undetermined intent (Y10–Y34,Y87.2,Y89.9)	2.1	2.6	1.5	2.2	3.3	1.2
Discharge of firearms, undetermined intent (Y22–Y24)	0.1	0.1	0.1	0.1	0.2	*
Other and unspecified events of undetermined intent and their sequelae (Y10–Y21,Y25–Y34,Y87.2,Y89.9)	2.0	2.5	1.5	2.1	3.1	1.2
Operations of war and their sequelae (Y36,Y89.1)	*	*	*	*	*	*
Complications of medical and surgical care (Y40–Y84,Y88)	1.2	1.2	1.1	1.2	1.1	1.3
Enterocolitis due to <i>Clostridium difficile</i> (A04.7) ⁴	2.7	2.2	3.3	1.4	1.2	1.6
Drug-induced deaths ^{5,6}	25.9	33.5	18.5	18.3	26.2	11.1
Alcohol-induced deaths ^{5,7}	12.6	18.1	7.2	7.0	10.5	3.8
Injury by firearms ^{5,8}	11.9	20.0	3.9	23.7	44.1	4.9

0.0 Quantity more than zero but less than 0.05.

* Figure does not meet standards of reliability or precision; 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 49 states and the District of Columbia in 2016; 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-14. Age-adjusted death rates for 113 selected causes, Enterocolitis due to *Clostridium difficile*, drug-induced causes, alcohol-induced causes, and injury by firearms, by Hispanic origin, race for non-Hispanic population, and sex: United States, 2016

[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, 2016; 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, Tenth 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	728.8	861.0	617.5	525.8	631.8	436.4	749.6	884.4	636.1	749.0	879.5	637.2	882.8	1,081.2	734.1
Salmonella infections (A01-A02)	0.0	0.0	*	*	*	*	0.0	*	*	0.0	*	*	*	*	*
Shigellosis and amebiasis (A03,A06)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Certain other intestinal infections (A04,A07-A09)	2.5	2.4	2.5	1.9	2.0	1.9	2.5	2.4	2.6	2.5	2.4	2.7	2.5	2.5	2.5
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	0.3	0.4	0.2
Respiratory tuberculosis (A16)	0.1	0.2	0.1	0.2	0.3	0.1	0.1	0.1	0.1	0.0	0.1	0.0	0.2	0.4	0.2
Other tuberculosis (A17-A19)	0.0	0.0	0.0	0.0	*	*	0.0	0.0	0.0	0.0	0.0	0.0	*	*	*
Whooping cough (A37)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Scarlet fever and erysipelas (A38,A46)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Meningococcal infection (A39)	0.0	0.0	*	*	*	*	0.0	*	*	*	*	*	*	*	*
Septicemia (A40-A41)	10.7	12.0	9.7	7.8	8.9	7.0	11.0	12.3	10.0	10.4	11.7	9.4	18.3	20.6	16.7
Syphilis (A50-A53)	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)	1.6	2.2	1.1	2.3	3.1	1.5	1.5	2.0	1.0	1.5	2.0	1.0	2.0	2.9	1.3
Human immunodeficiency virus (HIV) disease (B20-B24)	1.8	2.7	0.9	1.7	2.8	0.7	1.8	2.6	1.0	0.8	1.4	0.3	7.5	10.6	4.9
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)	1.9	2.2	1.6	1.5	1.8	1.4	1.9	2.2	1.6	1.8	2.1	1.6	2.2	2.7	1.8

Table I-14. Age-adjusted death rates for 113 selected causes, Enterocolitis due to *Clostridium difficile*, drug-induced causes, alcohol-induced causes, and injury by firearms, by Hispanic origin, race for non-Hispanic population, and sex: United States, 2016—Con.

[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, 2016; 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, Tenth 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 (C00-C97)	155.8	185.4	134.0	110.0	132.7	94.0	160.1	190.3	137.9	160.8	190.5	138.5	182.9	226.4	155.9
Malignant neoplasms of lip, oral cavity and pharynx (C00-C14)	2.6	4.0	1.4	1.5	2.4	0.8	2.7	4.2	1.5	2.7	4.2	1.5	2.7	4.6	1.3
Malignant neoplasm of esophagus (C15)	3.9	7.0	1.5	1.9	3.5	0.7	4.1	7.3	1.5	4.5	7.9	1.6	3.2	5.4	1.6
Malignant neoplasm of stomach (C16)	3.0	4.0	2.2	4.9	5.9	4.1	2.8	3.8	2.0	2.3	3.1	1.6	5.4	8.1	3.6
Malignant neoplasms of colon, rectum and anus (C18-C21)	13.9	16.4	11.8	10.8	13.6	8.6	14.2	16.8	12.2	13.9	16.3	11.9	19.0	23.6	15.8
Malignant neoplasms of liver and intrahepatic bile ducts (C22)	6.7	9.7	4.1	9.5	13.7	5.9	6.4	9.3	3.9	5.9	8.4	3.6	8.8	13.5	5.3
Malignant neoplasm of pancreas (C25)	11.1	12.7	9.7	8.5	9.5	7.6	11.3	13.0	9.9	11.2	13.0	9.7	13.6	15.2	12.5
Malignant neoplasm of larynx (C32)	1.0	1.7	0.4	0.6	1.3	0.1	1.0	1.7	0.4	1.0	1.7	0.4	1.6	3.0	0.6
Malignant neoplasms of trachea, bronchus and lung (C33-C34)	38.4	46.7	31.9	16.6	22.7	12.1	40.5	49.0	33.8	41.6	49.4	35.4	41.2	56.5	30.7
Malignant melanoma of skin (C43)	2.2	3.2	1.3	0.6	0.8	0.4	2.4	3.5	1.4	2.8	4.1	1.7	0.3	0.3	0.2
Malignant neoplasm of breast (C50)	11.1	0.3	20.1	7.6	0.2	13.9	11.4	0.3	20.7	11.0	0.3	20.1	16.4	0.4	28.2
Malignant neoplasm of cervix uteri (C53)	1.2	...	2.2	1.4	...	2.7	1.1	...	2.2	1.1	...	2.1	1.8	...	3.2
Malignant neoplasms of corpus uteri and uterus, part unspecified (C54-C55)	2.7	...	5.0	2.2	...	4.0	2.8	...	5.1	2.5	...	4.6	5.3	...	9.0
Malignant neoplasm of ovary (C56)	3.7	...	6.8	2.7	...	4.9	3.8	...	7.0	3.9	...	7.2	3.4	...	5.8
Malignant neoplasm of prostate (C61)	7.9	19.3	...	6.3	15.5	...	8.1	19.6	...	7.6	18.2	...	14.5	38.9	...
Malignant neoplasms of kidney and renal pelvis (C64-C65)	3.6	5.2	2.3	3.4	5.0	2.1	3.6	5.3	2.3	3.7	5.3	2.3	3.5	5.4	2.2
Malignant neoplasm of bladder (C67)	4.4	7.5	2.2	2.2	3.6	1.2	4.5	7.8	2.2	4.8	8.4	2.3	3.5	5.3	2.5
Malignant neoplasms of meninges, brain and other parts of central nervous system (C70-C72)	4.5	5.5	3.6	3.0	3.5	2.7	4.7	5.8	3.8	5.2	6.3	4.2	2.7	3.3	2.2
Malignant neoplasms of lymphoid, hematopoietic and related tissue (C81-C96)	15.2	19.7	11.8	12.4	15.6	9.9	15.4	19.9	11.9	15.6	20.4	12.0	15.8	19.8	13.1

See footnotes at end of table.

Table I-14. Age-adjusted death rates for 113 selected causes, Enterocolitis due to *Clostridium difficile*, drug-induced causes, alcohol-induced causes, and injury by firearms, by Hispanic origin, race for non-Hispanic population, and sex: United States, 2016—Con.

[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, 2016; 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, Tenth 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
Hodgkin's disease (C81)	0.3	0.3	0.2	0.4	0.4	0.3	0.3	0.3	0.2	0.3	0.3	0.2	0.2	0.3	0.1
Non-Hodgkin's lymphoma (C82-C85)	5.4	6.9	4.2	4.6	5.9	3.7	5.4	7.0	4.2	5.7	7.3	4.4	3.9	4.9	3.2
Leukemia (C91-C95)	6.2	8.2	4.7	4.4	5.6	3.6	6.3	8.4	4.8	6.6	8.7	4.9	5.5	6.9	4.5
Multiple myeloma and immunoproliferative neoplasms (C88,C90)	3.3	4.2	2.7	2.9	3.7	2.2	3.4	4.3	2.7	3.1	4.0	2.4	6.2	7.6	5.3
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)	18.7	22.5	15.9	13.8	15.8	12.2	19.2	23.1	16.2	19.5	23.6	16.2	20.0	23.2	18.0
In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior (D00-D48)	4.2	5.3	3.4	2.8	3.4	2.4	4.3	5.5	3.5	4.5	5.6	3.6	3.8	4.7	3.2
Anemias (D50-D64)	1.4	1.5	1.4	0.9	1.0	0.8	1.5	1.5	1.5	1.2	1.3	1.2	2.9	3.0	2.9
Diabetes mellitus (E10-E14)	21.0	26.0	16.9	24.7	29.6	20.7	20.7	25.7	16.6	18.6	23.5	14.4	37.8	44.8	32.7
Nutritional deficiencies (E40-E64)	1.6	1.6	1.7	1.2	1.1	1.2	1.7	1.6	1.7	1.7	1.6	1.7	2.2	2.5	2.0
Malnutrition (E40-E46)	1.6	1.5	1.6	1.2	1.1	1.2	1.6	1.5	1.6	1.6	1.5	1.6	2.2	2.5	2.0
Other nutritional deficiencies (E50-E64)	0.0	0.1	0.0	*	*	*	0.0	0.1	0.0	0.1	0.1	0.0	*	*	*
Meningitis (G00,G03)	0.2	0.2	0.1	0.1	0.2	0.1	0.2	0.2	0.2	0.1	0.1	0.1	0.3	0.4	0.2
Parkinson's disease (G20-G21)	8.0	12.0	5.3	5.8	8.1	4.2	8.2	12.3	5.4	8.8	13.1	5.8	4.3	6.9	2.8
Alzheimer's disease (G30)	30.3	24.3	33.9	24.3	19.7	27.0	30.7	24.6	34.4	31.8	25.4	35.8	28.2	23.4	30.3
Major cardiovascular diseases (I00-I78)	218.2	263.6	180.6	159.9	192.2	133.3	223.4	270.1	184.9	219.4	265.6	180.6	287.8	350.9	240.6
Diseases of heart (I00-I09,I11,I13,I20-I51)	165.5	209.1	130.4	115.8	144.6	92.6	170.1	215.1	133.8	168.7	213.9	131.7	210.7	265.0	170.8

Table I-14. Age-adjusted death rates for 113 selected causes, Enterocolitis due to *Clostridium difficile*, drug-induced causes, alcohol-induced causes, and injury by firearms, by Hispanic origin, race for non-Hispanic population, and sex: United States, 2016—Con.

[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, 2016; 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, Tenth 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
Acute rheumatic fever and chronic rheumatic heart diseases (I00-I09)	0.9	0.7	1.1	0.6	0.5	0.7	1.0	0.7	1.1	1.0	0.8	1.1	0.8	0.6	0.9
Hypertensive heart disease (I11)	11.4	13.2	9.6	8.7	10.0	7.3	11.8	13.6	9.9	10.3	11.7	8.7	24.2	30.5	19.2
Hypertensive heart and renal disease (I13)	1.5	1.8	1.3	1.3	1.5	1.2	1.5	1.8	1.3	1.3	1.5	1.1	3.4	4.4	2.8
Ischemic heart diseases (I20-I25)	94.3	128.3	67.5	72.7	95.6	54.6	96.3	131.3	68.7	96.6	132.3	67.9	110.8	146.5	85.4
Acute myocardial infarction (I21-I22)	29.1	38.7	21.2	22.4	29.3	16.9	29.8	39.7	21.6	30.1	40.3	21.4	33.8	43.5	26.9
Other acute ischemic heart diseases (I24)	1.0	1.3	0.8	0.5	0.7	0.5	1.1	1.4	0.8	1.0	1.3	0.8	1.7	2.2	1.3
Other forms of chronic ischemic heart disease (I20,I25)	64.2	88.3	45.6	49.7	65.6	37.3	65.5	90.2	46.3	65.5	90.7	45.7	75.3	100.9	57.2
Atherosclerotic cardiovascular disease, so described (I25.0)	16.1	22.3	10.7	11.7	16.6	7.6	16.5	22.8	11.0	15.9	22.0	10.5	24.6	35.1	16.7
All other forms of chronic ischemic heart disease (I20,I25.1-I25.9)	48.1	66.0	34.9	38.0	49.1	29.7	49.0	67.3	35.2	49.7	68.8	35.2	50.7	65.8	40.4
Other heart diseases (I26-I51)	57.3	65.1	50.8	32.5	37.0	28.7	59.6	67.8	52.9	59.5	67.5	52.8	71.5	83.1	62.6
Acute and subacute endocarditis (I33)	0.4	0.5	0.3	0.3	0.4	0.2	0.4	0.6	0.3	0.4	0.6	0.3	0.5	0.6	0.4
Diseases of pericardium and acute myocarditis (I30-I31,I40)	0.2	0.3	0.2	0.1	0.2	0.1	0.3	0.3	0.2	0.3	0.3	0.2	0.4	0.4	0.3
Heart failure (I50)	20.3	23.1	18.2	12.0	13.6	10.8	21.0	23.9	18.8	21.2	24.1	18.9	24.3	27.8	21.8
All other forms of heart disease (I26-I28,I34-I38,I42-I49,I51)	36.3	41.2	32.1	20.0	22.8	17.7	37.9	43.0	33.5	37.7	42.6	33.4	46.4	54.4	40.1
Essential hypertension and hypertensive renal disease (I10,I12,I15)	8.6	9.0	8.2	7.8	8.6	7.1	8.7	9.0	8.3	7.7	7.9	7.4	16.7	19.2	14.7
Cerebrovascular diseases (I60-I69)	37.3	37.5	36.5	32.1	34.0	30.1	37.7	37.7	37.0	36.1	35.7	35.8	51.9	56.7	47.8
Atherosclerosis (I70)	1.5	1.6	1.4	0.9	0.9	0.9	1.5	1.6	1.4	1.6	1.7	1.5	1.6	1.7	1.5
Other diseases of circulatory system (I71-I78)	5.2	6.4	4.2	3.3	4.0	2.6	5.3	6.6	4.3	5.3	6.5	4.2	6.9	8.2	5.8

See footnotes at end of table.

Table I-14. Age-adjusted death rates for 113 selected causes, Enterocolitis due to *Clostridium difficile*, drug-induced causes, alcohol-induced causes, and injury by firearms, by Hispanic origin, race for non-Hispanic population, and sex: United States, 2016—Con.

[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, 2016; 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, Tenth 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
Aortic aneurysm and dissection (I71)	2.6	3.5	1.9	1.4	2.0	1.0	2.7	3.7	1.9	2.7	3.7	1.9	2.8	3.7	2.1
Other diseases of arteries, arterioles and capillaries (I72-I78)	2.6	2.8	2.3	1.8	2.0	1.6	2.6	2.9	2.4	2.5	2.8	2.3	4.1	4.5	3.7
Other disorders of circulatory system (I80-I99)	1.3	1.4	1.2	0.8	0.7	0.8	1.4	1.5	1.2	1.3	1.4	1.1	2.4	2.7	2.2
Influenza and pneumonia (J09-J18)	13.5	15.9	11.8	11.1	13.1	9.6	13.8	16.1	12.1	13.5	15.6	12.0	15.4	19.3	13.0
Influenza (J09-J11)	0.8	0.9	0.7	0.8	0.9	0.7	0.8	0.9	0.7	0.8	0.9	0.7	0.7	0.8	0.7
Pneumonia (J12-J18)	12.8	15.0	11.1	10.3	12.2	8.8	13.0	15.3	11.3	12.7	14.8	11.2	14.7	18.5	12.3
Other acute lower respiratory infections (J20-J22,U04)	0.1	0.1	0.1	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	0.0	0.1	*	*	0.1	0.1	0.0	0.1	0.1	0.0	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	*	*	*
Chronic lower respiratory diseases (J40-J47)	40.6	45.1	37.4	17.1	21.7	13.9	42.7	47.1	39.6	45.8	49.5	43.3	30.0	39.0	24.6
Bronchitis, chronic and unspecified (J40-J42)	0.1	0.1	0.1	0.1	0.1	*	0.1	0.2	0.1	0.1	0.2	0.1	0.1	*	0.1
Emphysema (J43)	1.8	2.2	1.5	0.8	1.0	0.6	1.9	2.4	1.6	2.1	2.4	1.8	1.3	2.1	0.9
Asthma (J45-J46)	1.0	0.8	1.1	0.8	0.6	0.9	1.1	0.9	1.2	0.8	0.6	1.0	2.3	2.4	2.2
Other chronic lower respiratory diseases (J44,J47)	37.6	41.9	34.6	15.5	20.0	12.4	39.5	43.7	36.7	42.8	46.3	40.4	26.2	34.4	21.4
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	*	*
Pneumonitis due to solids and liquids (J69)	5.2	7.0	3.9	3.1	4.2	2.4	5.3	7.3	4.0	5.4	7.4	4.1	5.3	7.3	4.1
Other diseases of respiratory system (J00-J06,J30-J39,J67,J70-J98)	10.4	12.5	8.9	8.5	9.8	7.4	10.6	12.7	9.0	10.8	13.0	9.2	9.7	11.1	8.9
Peptic ulcer (K25-K28)	0.8	1.0	0.7	0.6	0.9	0.4	0.9	1.0	0.7	0.9	1.0	0.8	0.9	1.1	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 injury by firearms, by Hispanic origin, race for non-Hispanic population, and sex: United States, 2016—Con.

[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, 2016; 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, Tenth 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
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	0.1	0.2	*
Hernia (K40-K46)	0.5	0.6	0.5	0.5	0.5	0.4	0.6	0.6	0.5	0.6	0.6	0.6	0.5	0.5	0.4
Chronic liver disease and cirrhosis (K70,K73-K74)	10.7	14.3	7.5	14.7	20.7	9.1	10.3	13.5	7.4	11.0	14.3	8.0	7.3	10.3	4.9
Alcoholic liver disease (K70)	5.9	8.4	3.6	7.7	12.9	3.1	5.7	7.8	3.7	6.1	8.4	4.0	3.7	5.4	2.3
Other chronic liver disease and cirrhosis (K73-K74)	4.9	5.9	3.9	7.0	7.8	6.0	4.6	5.7	3.7	4.9	6.0	4.0	3.6	5.0	2.6
Cholelithiasis and other disorders of gallbladder (K80-K82)	1.0	1.2	0.9	1.0	1.1	1.0	1.0	1.2	0.9	1.0	1.2	0.8	1.1	1.0	1.1
Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	13.1	15.9	11.2	11.4	13.5	9.9	13.3	16.1	11.3	11.9	14.8	9.9	25.8	30.2	22.9
Acute and rapidly progressive nephritic and nephrotic syndrome (N00-N01,N04)	0.1	0.2	0.1	0.1	*	0.1	0.1	0.2	0.1	0.1	0.2	0.1	0.3	0.3	0.3
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	0.1	0.1	*	*
Renal failure (N17-N19)	12.9	15.6	11.0	11.2	13.3	9.7	13.0	15.8	11.1	11.7	14.5	9.7	25.4	29.7	22.6
Other disorders of kidney (N25,N27)	0.0	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Infections of kidney (N10-N12, N13.6, N15.1)	0.2	0.2	0.2	0.1	0.1	0.2	0.2	0.2	0.3	0.2	0.2	0.3	0.2	0.2	0.2
Hyperplasia of prostate (N40)	0.2	0.4	...	0.1	0.3	...	0.2	0.4	...	0.2	0.4	...	0.2	0.5	...
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	...	0.9	0.3	...	0.7	1.0	...	1.9
Pregnancy with abortive outcome (O00-O07)	0.0	...	0.0	*	...	*	*	...	*	*	...	*	*	...	*
Other complications of pregnancy, childbirth and the puerperium (O10-O99)	0.4	...	0.8	0.3	...	0.6	0.4	...	0.9	0.3	...	0.7	1.0	...	1.8

See footnotes at end of table.

Table I-14. Age-adjusted death rates for 113 selected causes, Enterocolitis due to *Clostridium difficile*, drug-induced causes, alcohol-induced causes, and injury by firearms, by Hispanic origin, race for non-Hispanic population, and sex: United States, 2016—Con.

[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, 2016; 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, Tenth 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
Certain conditions originating in the perinatal period (P00–P96)	4.0	4.4	3.6	3.2	3.6	2.9	4.2	4.6	3.8	3.0	3.3	2.8	8.6	9.3	7.7
Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	3.2	3.3	3.1	2.7	2.9	2.6	3.3	3.4	3.1	3.3	3.4	3.1	3.7	4.1	3.5
Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified (R00–R99)	9.2	10.0	8.2	5.5	6.9	4.2	9.6	10.4	8.7	9.5	10.1	8.7	11.7	13.6	10.0
All other diseases (residual)	84.9	85.8	82.6	54.5	56.9	51.7	87.7	88.4	85.5	88.9	89.1	86.9	98.7	105.5	92.9
Accidents (unintentional injuries) (V01–X59, Y85–Y86)	47.4	65.0	30.8	31.4	45.9	17.3	50.1	68.3	33.0	53.9	72.5	36.0	44.2	66.0	25.8
Transport accidents (V01–V99, Y85)	12.9	19.0	7.2	11.6	16.9	6.3	13.2	19.3	7.4	13.3	19.3	7.5	14.8	23.1	7.6
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)	12.1	17.6	6.9	11.0	16.1	6.1	12.3	17.9	7.0	12.4	17.9	7.1	14.1	21.8	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	0.1	0.3	0.4	0.1	0.3	0.5	0.1	0.3	0.5	0.1	0.3	0.7	*
Water, air and space, and other and unspecified transport accidents and their sequelae (V90–V99, Y85)	0.5	0.8	0.2	0.3	0.4	0.1	0.5	0.9	0.2	0.6	0.9	0.2	0.4	0.7	0.1
Nontransport accidents (W00–X59, Y86)	34.5	46.1	23.6	19.8	28.9	10.9	36.9	49.0	25.6	40.6	53.2	28.4	29.4	42.9	18.1
Falls (W00–W19)	9.1	11.2	7.5	5.8	7.9	4.1	9.4	11.4	7.8	10.1	12.0	8.5	4.5	6.7	3.0

Table I-14. Age-adjusted death rates for 113 selected causes, Enterocolitis due to *Clostridium difficile*, drug-induced causes, alcohol-induced causes, and injury by firearms, by Hispanic origin, race for non-Hispanic population, and sex: United States, 2016—Con.

[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, 2016; 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, Tenth 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
Accidental discharge of firearms (W32–W34)	0.2	0.2	0.0	0.1	0.2	*	0.2	0.3	0.1	0.2	0.2	0.1	0.3	0.4	*
Accidental drowning and submersion (W65–W74)	1.2	1.8	0.5	0.9	1.5	0.2	1.2	1.9	0.6	1.2	1.8	0.6	1.5	2.4	0.6
Accidental exposure to smoke, fire and flames (X00–X09)	0.8	1.0	0.6	0.4	0.5	0.3	0.8	1.0	0.7	0.8	1.0	0.7	1.3	1.8	1.0
Accidental poisoning and exposure to noxious substances (X40–X49)	18.2	25.1	11.4	9.5	14.5	4.4	20.0	27.4	12.8	23.0	31.0	14.9	15.9	23.4	9.4
Other and unspecified nontransport accidents and their sequelae (W20–W31, W35–W64, W75–W99, X10–X39, X50–X59, Y86)	5.1	6.8	3.5	3.1	4.4	1.9	5.3	7.1	3.8	5.3	7.1	3.7	5.9	8.2	4.2
Intentional self-harm (suicide) (*U03, X60–X84, Y87.0)	13.5	21.4	6.0	6.7	10.9	2.6	14.7	23.3	6.7	17.0	26.6	7.9	6.3	10.6	2.4
Intentional self-harm (suicide) by discharge of firearms (X72–X74)	6.8	12.0	1.9	2.4	4.5	0.5	7.5	13.3	2.2	8.8	15.4	2.7	3.2	5.8	0.8
Intentional self-harm (suicide) by other and unspecified means and their sequelae (*U03, X60–X71, X75–X84, Y87.0)	6.7	9.4	4.1	4.3	6.5	2.1	7.2	10.0	4.5	8.2	11.2	5.2	3.1	4.8	1.6
Assault (homicide) (*U01–*U02, X85–Y09, Y87.1)	6.2	9.9	2.5	5.3	8.6	1.8	6.4	10.1	2.6	2.9	3.9	1.8	22.8	40.4	6.0
Assault (homicide) by discharge of firearms (*U01.4, X93–X95)	4.6	7.8	1.4	3.7	6.3	1.0	4.8	8.2	1.5	1.7	2.5	1.0	19.2	35.2	3.8
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	1.1	1.6	2.3	0.9	1.5	2.0	1.1	1.1	1.3	0.9	3.6	5.2	2.2
Legal intervention (Y35, Y89.0)	0.2	0.3	0.0	0.1	0.3	*	0.2	0.4	0.0	0.2	0.3	*	0.3	0.5	*
Events of undetermined intent (Y10–Y34, Y87.2, Y89.9)	1.7	2.3	1.2	0.7	1.0	0.4	2.0	2.6	1.4	2.1	2.6	1.5	2.2	3.4	1.2

See footnotes at end of table.

Table I-14. Age-adjusted death rates for 113 selected causes, Enterocolitis due to *Clostridium difficile*, drug-induced causes, alcohol-induced causes, and injury by firearms, by Hispanic origin, race for non-Hispanic population, and sex: United States, 2016—Con.

[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, 2016; 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, Tenth 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
Discharge of firearms, undetermined intent (Y22-Y24)	0.1	0.1	0.1	0.0	0.1	*	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.2	*
Other and unspecified events of undetermined intent and their sequelae (Y10-Y21, Y25-Y34, Y87.2, Y89.9)	1.7	2.1	1.2	0.6	0.9	0.4	1.9	2.4	1.3	2.0	2.5	1.4	2.1	3.1	1.2
Operations of war and their sequelae (Y36, Y89.1)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Complications of medical and surgical care (Y40-Y84, Y88)	0.9	1.0	0.8	0.6	0.7	0.5	0.9	1.0	0.8	0.9	1.0	0.7	1.3	1.4	1.3
Enterocolitis due to <i>Clostridium difficile</i> (A04.7) ⁴	1.8	1.7	1.8	1.4	1.3	1.4	1.8	1.7	1.9	1.8	1.8	1.9	1.7	1.8	1.7
Drug-induced deaths ^{5,6}	20.8	27.6	14.2	10.1	14.8	5.3	23.1	30.4	15.9	26.6	34.3	18.7	18.2	26.6	10.9
Alcohol-induced deaths ^{5,7}	9.5	14.1	5.2	10.1	17.2	3.7	9.4	13.6	5.5	10.1	14.4	6.0	6.8	10.9	3.6
Injury by firearms ^{5,8}	11.8	20.5	3.4	6.4	11.2	1.6	12.8	22.3	3.8	11.0	18.7	3.8	23.0	42.2	4.8

0.0 Quantity more than zero but less than 0.05.

* Figure does not meet standards of reliability or precision; 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 49 states and the District of Columbia in 2016; 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, 2016

[Totals for selected causes of death differ from those shown in other tables that use standard mortality tabulation lists; see Technical Notes. 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, 2016; 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, Tenth 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)	231,991	71.8	69.0
Unintentional (V01-X59,Y85-Y86)	161,374	49.9	47.4
Suicide (*U03,X60-X84,Y87.0)	44,965	13.9	13.5
Homicide (*U01-*U02,X85-Y09,Y87.1)	19,362	6.0	6.2
Undetermined (Y10-Y34,Y87.2,Y89.9)	5,723	1.8	1.7
Legal intervention/war (Y35-Y36,Y89[.0,.1])	567	0.2	0.2
Cut/pierce (W25-W29,W45-W46,X78,X99,Y28,Y35.4)	2,823	0.9	0.8
Unintentional (W25-W29,W45-W46)	152	0.0	0.0
Suicide (X78)	864	0.3	0.3
Homicide (X99)	1,781	0.6	0.6
Undetermined (Y28)	26	0.0	0.0
Legal intervention/war (Y35.4)	-	*	*
Drowning (W65-W74,X71,X92,Y21)	4,628	1.4	1.4
Unintentional (W65-W74)	3,786	1.2	1.2
Suicide (X71)	497	0.2	0.1
Homicide (X92)	44	0.0	0.0
Undetermined (Y21)	301	0.1	0.1
Fall (W00-W19,X80,Y01,Y30)	35,862	11.1	9.5
Unintentional (W00-W19)	34,673	10.7	9.1
Suicide (X80)	1,107	0.3	0.3
Homicide (Y01)	5	*	*
Undetermined (Y30)	77	0.0	0.0
Fire/hot object or substance (*U01.3,X00-X19,X76-X77,X97-X98,Y26-Y27,Y36.3) ²	3,284	1.0	0.9
Unintentional (X00-X19)	2,803	0.9	0.8
Suicide (X76-X77)	187	0.1	0.1
Homicide (*U01.3,X97-X98)	131	0.0	0.0
Undetermined (Y26-Y27)	163	0.1	0.1
Legal intervention/war (Y36.3)	-	*	*
Fire/flare (X00-X09,X76,X97,Y26)	3,200	1.0	0.9
Unintentional (X00-X09)	2,730	0.8	0.8
Suicide (X76)	187	0.1	0.1
Homicide (X97)	120	0.0	0.0
Undetermined (Y26)	163	0.1	0.1
Hot object/substance (X10-X19,X77,X98,Y27)	84	0.0	0.0
Unintentional (X10-X19)	73	0.0	0.0
Suicide (X77)	-	*	*
Homicide (X98)	11	*	*
Undetermined (Y27)	-	*	*
Firearm (*U01.4,W32-W34,X72-X74,X93-X95,Y22-Y24,Y35.0)	38,658	12.0	11.8
Unintentional (W32-W34)	495	0.2	0.2
Suicide (X72-X74)	22,938	7.1	6.8
Homicide (*U01.4,X93-X95)	14,415	4.5	4.6

Table I-15. Number of deaths, death rates, and age-adjusted death rates for injury deaths, by mechanism and intent of death: United States, 2016—Con.

[Totals for selected causes of death differ from those shown in other tables that use standard mortality tabulation lists; see Technical Notes. 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, 2016; 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, Tenth Revision* (ICD-10); see Technical Notes]

Mechanism and intent of death (based on ICD-10)	Number	Rate	Age-adjusted rate ¹
Undetermined (Y22–Y24)	300	0.1	0.1
Legal intervention/war (Y35.0)	510	0.2	0.2
Machinery (W24,W30–W31) ³	610	0.2	0.2
All transport (*U01.1,V01–V99,X82,Y03,Y32,Y36.1)	42,436	13.1	12.8
Unintentional (V01–V99)	42,235	13.1	12.7
Suicide (X82)	165	0.1	0.1
Homicide (*U01.1,Y03)	27	0.0	0.0
Undetermined (Y32)	9	*	*
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	38,748	12.0	11.7
Occupant (V30–V79[.4–.9],V83–V86[.0–.3]) ³	9,322	2.9	2.8
Motorcyclist (V20–V28[.3–.9],V29[.4–.9]) ³	4,780	1.5	1.4
Pedal cyclist (V12–V14[.3–.9],V19[.4–.6]) ³	704	0.2	0.2
Pedestrian (V02–V04[.1,.9],V09.2) ³	6,348	2.0	1.9
Other (V80[.3–.5],V81.1,V82.1) ³	10	*	*
Unspecified (V87[.0–.8],V89.2) ³	17,584	5.4	5.3
Pedal cyclist, other (V10–V11,V12–V14[.0–.2],V15–V18,V19[.0–.3,.8,.9]) ³	311	0.1	0.1
Pedestrian, other (V01,V02–V04[.0],V05,V06,V09[.0,.1,.3,.9]) ³	982	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)	1,493	0.5	0.4
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])	1,292	0.4	0.4
Suicide (X82)	165	0.1	0.1
Homicide (Y03)	27	0.0	0.0
Undetermined (Y32)	9	*	*
Other transport (*U01.1,V90–V99,Y36.1)	902	0.3	0.3
Unintentional (V90–V99)	902	0.3	0.3
Homicide (*U01.1)	–	*	*
Legal intervention/war (Y36.1)	–	*	*
Natural/environmental (W42–W43,W53–W64,W92–W99,X20–X39,X51–X57) ³	1,678	0.5	0.5
Overexertion (X50) ³	12	*	*
Poisoning (*U01[.6–.7],X40–X49,X60–X69,X85–X90,Y10–Y19,Y35.2)	68,995	21.4	21.4
Unintentional (X40–X49)	58,335	18.1	18.2
Suicide (X60–X69)	6,698	2.1	2.0
Homicide (*U01[.6–.7],X85–X90)	135	0.0	0.0
Undetermined (Y10–Y19)	3,827	1.2	1.2
Legal intervention/war (Y35.2)	–	*	*
Struck by or against (W20–W22,W50–W52,X79,Y00,Y04,Y29,Y35.3)	1,020	0.3	0.3
Unintentional (W20–W22,W50–W52)	801	0.2	0.2
Suicide (X79)	1	*	*
Homicide (Y00,Y04)	217	0.1	0.1
Undetermined (Y29)	1	*	*
Legal intervention/war (Y35.3)	–	*	*
Suffocation (W75–W84,X70,X91,Y20)	18,924	5.9	5.7
Unintentional (W75–W84)	6,610	2.0	1.9
Suicide (X70)	11,642	3.6	3.6
Homicide (X91)	502	0.2	0.1
Undetermined (Y20)	170	0.1	0.0

See footnotes at end of table.

Table I-15. Number of deaths, death rates, and age-adjusted death rates for injury deaths, by mechanism and intent of death: United States, 2016—Con.

[Totals for selected causes of death differ from those shown in other tables that use standard mortality tabulation lists; see Technical Notes. 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, 2016; 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, Tenth Revision* (ICD-10); see Technical Notes]

Mechanism and intent of death (based on ICD-10)	Number	Rate	Age-adjusted rate ¹
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)	2,230	0.7	0.7
Unintentional (W23,W35-W41,W44,W49,W85-W91,Y85)	1,385	0.4	0.4
Suicide (*U03.0,X75,X81)	600	0.2	0.2
Homicide (*U01[.0,.2,.5],X96,Y02,Y05-Y07)	182	0.1	0.0
Undetermined (Y25,Y31)	42	0.0	0.0
Legal intervention/war (Y35[.1,.5],Y36[.0,.2,.4-.8])	21	0.0	0.0
Other specified, not elsewhere classified (*U01.8,*U02,X58,X83,Y08,Y33,Y35.6,Y86-Y87,Y89[.0-.1])	2,079	0.6	0.6
Unintentional (X58,Y86)	1,292	0.4	0.3
Suicide (X83,Y87.0)	190	0.1	0.1
Homicide (*U01.8,*U02,Y08,Y87.1)	379	0.1	0.1
Undetermined (Y33,Y87.2)	185	0.1	0.1
Legal intervention/war (Y35.6,Y89[.0,.1])	33	0.0	0.0
Unspecified (*U01.9,*U03.9,X59,X84,Y09,Y34,Y35.7,Y36.9,Y89.9)	8,752	2.7	2.4
Unintentional (X59)	6,507	2.0	1.7
Suicide (*U03.9,X84)	76	0.0	0.0
Homicide (*U01.9,Y09)	1,544	0.5	0.5
Undetermined (Y34,Y89.9)	622	0.2	0.2
Legal intervention/war (Y35.7,Y36.9)	3	*	*

0.0 Quantity more than zero but less than 0.05.

- Quantity zero.

* Figure does not meet standards of reliability or precision; 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, Virgin Islands, Guam, American Samoa, and Northern Marianas, 2016

[Rates per 100,000 population; age-adjusted rates 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, 2016; see Technical Notes. Codes in parentheses after causes of death are categories of the *International Classification of Diseases, Tenth 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	Number	Rate	Age-adjusted	Number	Rate	Age-adjusted	Number	Rate	Age-adjusted
			rate ¹			rate ¹			rate ¹			
United States ²	2,744,248	849.3	728.8	6,160	1.9	1.8	598,038	185.1	155.8	80,058	24.8	21.0
Alabama	52,466	1,078.8	920.4	106	2.2	2.1	10,419	214.2	174.0	1,183	24.3	20.1
Alaska	4,494	605.7	745.6	7	*	*	995	134.1	158.7	124	16.7	19.3
Arizona	56,645	817.3	675.8	97	1.4	1.4	11,876	171.3	136.8	2,025	29.2	23.9
Arkansas	31,756	1,062.7	893.2	48	1.6	1.6	6,612	221.3	178.8	920	30.8	25.4
California	262,240	668.1	616.9	734	1.9	1.8	59,515	151.6	139.7	9,124	23.2	21.4
Colorado	37,530	677.4	669.5	45	0.8	0.8	7,928	143.1	137.1	938	16.9	16.2
Connecticut	30,543	854.0	654.0	61	1.7	1.4	6,696	187.2	144.9	699	19.5	14.9
Delaware	8,874	932.1	746.2	17	*	*	2,124	223.1	170.8	203	21.3	17.0
District of Columbia	5,037	739.5	766.0	82	12.0	12.3	1,044	153.3	160.1	127	18.6	19.8
Florida	197,313	957.3	666.6	865	4.2	3.8	44,266	214.8	146.9	5,782	28.1	19.5
Georgia	81,428	789.8	800.4	348	3.4	3.2	17,184	166.7	160.2	2,238	21.7	21.2
Hawaii	10,913	763.9	572.0	14	*	*	2,401	168.1	128.7	285	20.0	15.1
Idaho	13,366	794.1	725.0	6	*	*	2,884	171.3	150.9	375	22.3	19.8
Illinois	107,020	836.0	724.3	172	1.3	1.2	24,389	190.5	163.5	2,781	21.7	18.7
Indiana	63,473	956.9	835.0	95	1.4	1.4	13,424	202.4	172.5	1,992	30.0	26.0
Iowa	29,538	942.3	721.1	14	*	*	6,432	205.2	159.8	847	27.0	20.9
Kansas	26,245	902.7	756.8	16	*	*	5,484	188.6	158.6	727	25.0	21.2
Kentucky	47,827	1,077.9	938.4	48	1.1	1.1	10,363	233.6	193.8	1,479	33.3	28.4
Louisiana	44,306	946.4	870.5	182	3.9	3.9	9,149	195.4	171.9	1,324	28.3	25.5
Maine	14,182	1,065.1	759.0	6	*	*	3,275	246.0	168.9	463	34.8	23.9
Maryland	48,824	811.5	717.6	190	3.2	2.8	10,911	181.4	156.5	1,358	22.6	19.6
Massachusetts	56,961	836.2	669.0	75	1.1	0.9	12,717	186.7	150.2	1,268	18.6	14.9
Michigan	96,231	969.3	785.4	93	0.9	0.9	20,870	210.2	166.4	2,672	26.9	21.5
Minnesota	43,078	780.4	648.1	35	0.6	0.6	9,857	178.6	148.6	1,265	22.9	19.2
Mississippi	31,741	1,062.0	948.9	77	2.6	2.7	6,568	219.8	187.7	1,084	36.3	31.9
Missouri	59,873	982.7	808.2	65	1.1	0.9	12,696	208.4	167.0	1,508	24.7	20.1
Montana	9,905	950.1	743.2	3	*	*	2,031	194.8	145.9	311	29.8	23.6
Nebraska	16,217	850.3	707.0	17	*	*	3,477	182.3	153.6	501	26.3	21.9
Nevada	23,902	813.0	762.6	68	2.3	2.2	5,214	177.3	157.3	580	19.7	17.9
New Hampshire	12,203	914.2	721.5	8	*	*	2,875	215.4	164.1	316	23.7	17.9

See footnotes at end of table.

Table I-16. Number of deaths, death rates, and age-adjusted death rates for major causes of death: United States, each state, Puerto Rico, Virgin Islands, Guam, American Samoa, and Northern Marianas, 2016—Con.

[Rates per 100,000 population; age-adjusted rates 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, 2016; see Technical Notes. Codes in parentheses after causes of death are categories of the *International Classification of Diseases, Tenth 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	Number	Rate	Age-adjusted	Number	Rate	Age-adjusted	Number	Rate	Age-adjusted
			rate ¹			rate ¹			rate ¹			
New Jersey	73,155	817.9	668.5	236	2.6	2.2	16,377	183.1	149.7	1,949	21.8	17.8
New Mexico	18,365	882.5	753.4	18	*	*	3,560	171.1	138.8	678	32.6	27.2
New York	154,358	781.7	640.7	560	2.8	2.5	35,368	179.1	147.5	4,038	20.5	16.9
North Carolina	90,465	891.6	782.4	209	2.1	1.9	19,523	192.4	161.6	2,811	27.7	23.5
North Dakota	6,242	823.5	688.4	4	*	*	1,253	165.3	142.7	171	22.6	19.4
Ohio	119,572	1,029.5	832.3	120	1.0	1.0	25,509	219.6	173.4	3,568	30.7	24.6
Oklahoma	39,276	1,001.0	888.4	54	1.4	1.3	8,115	206.8	177.8	1,393	35.5	30.8
Oregon	35,778	874.0	705.9	38	0.9	0.8	8,078	197.3	155.9	1,240	30.3	24.0
Pennsylvania	133,040	1,040.7	770.1	170	1.3	1.2	28,492	222.9	164.7	3,560	27.8	20.3
Rhode Island	9,735	921.5	690.1	13	*	*	2,171	205.5	158.0	239	22.6	16.9
South Carolina	48,130	970.1	829.8	152	3.1	2.9	10,356	208.7	167.7	1,369	27.6	22.3
South Dakota	7,845	906.5	719.5	6	*	*	1,694	195.7	156.7	253	29.2	23.7
Tennessee	67,857	1,020.2	886.3	112	1.7	1.6	14,450	217.3	179.9	1,883	28.3	24.0
Texas	191,966	689.0	730.6	625	2.2	2.2	40,195	144.3	148.5	5,470	19.6	20.3
Utah	17,913	587.1	714.7	19	*	*	3,125	102.4	122.4	624	20.5	24.6
Vermont	5,909	946.1	712.8	4	*	*	1,356	217.1	158.4	166	26.6	20.5
Virginia	66,473	790.2	715.5	120	1.4	1.3	15,027	178.6	156.1	2,062	24.5	21.7
Washington	54,769	751.5	672.0	60	0.8	0.7	12,594	172.8	150.9	1,673	23.0	20.3
West Virginia	22,732	1,241.4	943.3	15	*	*	4,659	254.4	182.2	860	47.0	34.8
Wisconsin	51,815	896.7	717.9	30	0.5	0.4	11,498	199.0	158.0	1,440	24.9	19.9
Wyoming	4,722	806.5	720.9	1	*	*	962	164.3	140.9	112	19.1	16.6
Puerto Rico	29,338	860.0	637.9	201	5.9	5.4	5,124	150.2	109.2	3,121	91.5	65.7
Virgin Islands	632	587.9	575.1	5	*	*	131	121.8	109.2	26	24.2	23.3
Guam	998	598.0	871.4	2	*	*	185	110.8	157.0	36	21.6	26.2
American Samoa	278	532.9	971.6	–	*	*	44	84.3	149.6	36	69.0	146.5
Northern Marianas	220	418.9	840.7	–	*	*	39	74.3	118.0	15	*	*

See footnotes at end of table.

Table I-16. Number of deaths, death rates, and age-adjusted death rates for major causes of death: United States, each state, Puerto Rico, Virgin Islands, Guam, American Samoa, and Northern Marianas, 2016—Con.

[Rates per 100,000 population; age-adjusted rates 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, 2016; see Technical Notes. Codes in parentheses after causes of death are categories of the *International Classification of Diseases, Tenth Revision* (ICD-10). Asterisks (*) preceding cause-of-death codes indicate they are not part of ICD-10; see Technical Notes]

Area	Parkinson's disease (G20-G21)			Alzheimer's disease (G30)			Diseases of heart (I00-I09,I11,I13,I20-I51)			Essential hypertension and hypertensive renal disease (I10,I12,I15)		
	Number	Rate	Age-adjusted	Number	Rate	Age-adjusted	Number	Rate	Age-adjusted	Number	Rate	Age-adjusted
			rate ¹			rate ¹			rate ¹			rate ¹
United States ²	29,697	9.2	8.0	116,103	35.9	30.3	635,260	196.6	165.5	33,246	10.3	8.6
Alabama	505	10.4	8.9	2,507	51.5	45.0	12,832	263.9	222.5	560	11.5	9.8
Alaska	18	*	*	111	15.0	25.8	831	112.0	141.0	30	4.0	5.6
Arizona	714	10.3	8.3	3,082	44.5	35.8	11,957	172.5	138.9	1,015	14.6	11.8
Arkansas	281	9.4	7.9	1,475	49.4	41.3	8,090	270.7	223.7	334	11.2	9.4
California	3,088	7.9	7.6	15,570	39.7	36.1	61,573	156.9	143.1	5,100	13.0	11.8
Colorado	466	8.4	9.1	1,835	33.1	34.7	7,277	131.3	129.8	263	4.7	4.7
Connecticut	358	10.0	7.7	1,035	28.9	20.3	7,051	197.2	144.3	318	8.9	6.4
Delaware	72	7.6	6.0	329	34.6	27.4	1,974	207.3	163.2	59	6.2	5.0
District of Columbia	30	4.4	4.8	120	17.6	18.3	1,375	201.9	211.7	69	10.1	10.7
Florida	2,372	11.5	7.4	7,155	34.7	21.5	45,659	221.5	146.2	2,451	11.9	7.9
Georgia	816	7.9	8.7	4,021	39.0	44.8	18,143	176.0	179.0	1,172	11.4	11.5
Hawaii	113	7.9	5.9	445	31.2	20.1	2,488	174.2	127.0	116	8.1	5.7
Idaho	166	9.9	9.3	607	36.1	33.9	2,969	176.4	160.0	106	6.3	5.8
Illinois	1,248	9.7	8.6	3,877	30.3	25.4	25,013	195.4	165.7	1,144	8.9	7.6
Indiana	677	10.2	9.1	2,678	40.4	34.9	13,952	210.3	180.6	774	11.7	10.0
Iowa	336	10.7	8.2	1,415	45.1	31.3	6,937	221.3	162.8	370	11.8	8.5
Kansas	357	12.3	10.2	855	29.4	23.1	5,672	195.1	159.2	222	7.6	6.1
Kentucky	415	9.4	8.4	1,728	38.9	35.1	10,519	237.1	203.0	409	9.2	8.0
Louisiana	408	8.7	8.3	2,195	46.9	45.0	10,943	233.7	213.1	401	8.6	7.9
Maine	170	12.8	9.0	577	43.3	29.6	2,907	218.3	149.5	106	8.0	5.3
Maryland	497	8.3	7.6	1,178	19.6	17.4	11,390	189.3	164.3	556	9.2	8.0
Massachusetts	637	9.4	7.4	1,708	25.1	18.6	11,921	175.0	134.8	628	9.2	7.0
Michigan	961	9.7	8.0	4,249	42.8	33.6	25,304	254.9	200.6	902	9.1	7.1
Minnesota	651	11.8	9.9	2,219	40.2	31.8	7,825	141.8	114.9	568	10.3	8.3
Mississippi	267	8.9	8.2	1,485	49.7	45.8	7,865	263.2	233.1	504	16.9	14.7
Missouri	601	9.9	8.1	2,302	37.8	30.0	14,579	239.3	192.1	543	8.9	7.1
Montana	104	10.0	7.7	314	30.1	22.6	2,138	205.1	154.4	82	7.9	5.9
Nebraska	201	10.5	8.7	634	33.2	26.2	3,322	174.2	140.3	268	14.1	11.2
Nevada	225	7.7	7.7	686	23.3	24.6	6,457	219.6	205.9	246	8.4	8.1
New Hampshire	134	10.0	8.0	430	32.2	24.8	2,631	197.1	151.1	113	8.5	6.2

See footnotes at end of table.

Table I-16. Number of deaths, death rates, and age-adjusted death rates for major causes of death: United States, each state, Puerto Rico, Virgin Islands, Guam, American Samoa, and Northern Marianas, 2016—Con.

[Rates per 100,000 population; age-adjusted rates 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, 2016; see Technical Notes. Codes in parentheses after causes of death are categories of the *International Classification of Diseases, Tenth Revision* (ICD-10). Asterisks (*) preceding cause-of-death codes indicate they are not part of ICD-10; see Technical Notes]

Area	Parkinson's disease (G20–G21)			Alzheimer's disease (G30)			Diseases of heart (I00–I09,I11,I13,I20–I51)			Essential hypertension and hypertensive renal disease (I10,I12,I15)		
	Number	Rate	Age-adjusted	Number	Rate	Age-adjusted	Number	Rate	Age-adjusted	Number	Rate	Age-adjusted
			rate ¹			rate ¹			rate ¹			rate ¹
New Jersey	759	8.5	7.0	2,435	27.2	21.1	18,597	207.9	164.7	794	8.9	7.0
New Mexico	192	9.2	7.8	583	28.0	23.5	3,800	182.6	150.6	150	7.2	6.0
New York	1,368	6.9	5.7	3,349	17.0	13.1	44,076	223.2	177.8	2,468	12.5	9.9
North Carolina	894	8.8	8.0	4,153	40.9	37.2	18,266	180.0	155.8	995	9.8	8.5
North Dakota	68	9.0	7.2	361	47.6	35.3	1,338	176.5	140.9	71	9.4	7.0
Ohio	1,248	10.7	8.7	5,031	43.3	33.4	27,410	236.0	185.1	1,396	12.0	9.3
Oklahoma	315	8.0	7.2	1,590	40.5	36.1	10,209	260.2	228.2	460	11.7	10.3
Oregon	452	11.0	9.1	1,786	43.6	34.8	6,968	170.2	135.0	557	13.6	10.6
Pennsylvania	1,417	11.1	8.0	4,185	32.7	21.7	31,990	250.2	176.2	1,115	8.7	6.0
Rhode Island	115	10.9	8.2	422	39.9	26.7	2,256	213.6	152.4	101	9.6	6.5
South Carolina	431	8.7	7.7	2,481	50.0	45.3	10,195	205.5	173.8	477	9.6	8.2
South Dakota	86	9.9	7.6	449	51.9	37.1	1,729	199.8	153.4	95	11.0	8.1
Tennessee	641	9.6	8.6	3,250	48.9	44.2	15,429	232.0	198.8	690	10.4	9.0
Texas	2,150	7.7	8.9	9,135	32.8	37.8	43,772	157.1	167.7	2,080	7.5	8.0
Utah	275	9.0	12.0	904	29.6	39.3	3,636	119.2	150.0	156	5.1	6.4
Vermont	76	12.2	9.3	310	49.6	35.8	1,366	218.7	158.8	78	12.5	9.0
Virginia	745	8.9	8.4	2,408	28.6	26.8	14,124	167.9	150.7	691	8.2	7.4
Washington	703	9.6	9.1	3,269	44.9	40.7	11,161	153.1	136.1	623	8.5	7.5
West Virginia	201	11.0	8.1	786	42.9	31.7	4,767	260.3	191.0	291	15.9	11.7
Wisconsin	626	10.8	8.7	2,256	39.0	29.6	11,526	199.5	154.9	493	8.5	6.5
Wyoming	47	8.0	7.3	138	23.6	21.2	1,051	179.5	157.8	36	6.1	5.4
Puerto Rico	162	4.7	3.4	2,188	64.1	44.1	5,345	156.7	111.0	498	14.6	10.2
Virgin Islands	7	*	*	28	26.0	34.1	144	133.9	124.5	12	*	*
Guam	3	*	*	6	*	*	354	212.1	330.1	–	*	*
American Samoa	–	*	*	1	*	*	48	92.0	165.8	6	*	*
Northern Marianas	1	*	*	–	*	*	52	99.0	182.0	2	*	*

See footnotes at end of table.

Table I-16. Number of deaths, death rates, and age-adjusted death rates for major causes of death: United States, each state, Puerto Rico, Virgin Islands, Guam, American Samoa, and Northern Marianas, 2016—Con.

[Rates per 100,000 population; age-adjusted rates 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, 2016; see Technical Notes. Codes in parentheses after causes of death are categories of the *International Classification of Diseases, Tenth 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	Number	Rate	Age-adjusted	Number	Rate	Age-adjusted	Number	Rate	Age-adjusted
			rate ¹			rate ¹			rate ¹			rate ¹
United States ²	142,142	44.0	37.3	51,537	15.9	13.5	154,596	47.8	40.6	40,545	12.5	10.7
Alabama	2,967	61.0	51.6	987	20.3	17.1	3,326	68.4	56.2	781	16.1	13.2
Alaska	196	26.4	39.0	61	8.2	12.5	238	32.1	41.5	124	16.7	16.3
Arizona	2,556	36.9	29.8	885	12.8	10.4	3,800	54.8	43.5	1,178	17.0	14.9
Arkansas	1,643	55.0	45.6	623	20.8	17.1	2,169	72.6	59.1	416	13.9	11.8
California	15,680	39.9	36.9	5,981	15.2	14.0	13,710	34.9	32.6	5,287	13.5	12.2
Colorado	1,927	34.8	35.2	533	9.6	9.6	2,575	46.5	46.4	751	13.6	12.4
Connecticut	1,269	35.5	26.3	572	16.0	11.7	1,425	39.8	30.5	388	10.8	8.6
Delaware	506	53.1	41.6	132	13.9	10.7	544	57.1	43.7	92	9.7	7.5
District of Columbia	252	37.0	38.4	78	11.5	11.5	152	22.3	24.0	50	7.3	7.1
Florida	11,854	57.5	37.3	2,808	13.6	9.3	11,970	58.1	38.0	3,226	15.7	11.9
Georgia	4,349	42.2	44.3	1,423	13.8	14.3	4,805	46.6	47.3	1,009	9.8	9.0
Hawaii	675	47.3	34.3	507	35.5	24.4	342	23.9	17.7	124	8.7	7.1
Idaho	682	40.5	37.2	207	12.3	11.3	865	51.4	45.7	190	11.3	9.9
Illinois	5,658	44.2	37.8	2,178	17.0	14.5	5,632	44.0	38.1	1,374	10.7	9.4
Indiana	3,040	45.8	39.5	962	14.5	12.6	4,214	63.5	54.6	869	13.1	11.2
Iowa	1,388	44.3	32.3	504	16.1	11.6	2,006	64.0	48.6	343	10.9	9.4
Kansas	1,363	46.9	38.6	522	18.0	14.4	1,654	56.9	48.3	316	10.9	9.8
Kentucky	2,057	46.4	40.4	888	20.0	17.3	3,486	78.6	66.3	647	14.6	11.9
Louisiana	2,322	49.6	46.0	720	15.4	14.3	2,221	47.4	43.0	519	11.1	9.7
Maine	663	49.8	34.4	231	17.3	12.0	928	69.7	47.4	188	14.1	10.6
Maryland	2,709	45.0	39.7	1,025	17.0	15.1	2,072	34.4	30.5	466	7.7	6.7
Massachusetts	2,468	36.2	27.9	1,251	18.4	14.1	2,674	39.3	31.4	716	10.5	8.8
Michigan	4,874	49.1	39.0	1,672	16.8	13.7	5,572	56.1	44.4	1,242	12.5	10.2
Minnesota	2,197	39.8	32.5	529	9.6	7.8	2,369	42.9	35.8	595	10.8	9.2
Mississippi	1,705	57.0	50.6	785	26.3	23.4	2,116	70.8	62.0	383	12.8	11.1
Missouri	3,069	50.4	40.4	1,150	18.9	15.1	3,961	65.0	52.1	660	10.8	9.1
Montana	440	42.2	32.5	147	14.1	11.1	722	69.3	51.9	160	15.3	13.6
Nebraska	787	41.3	33.2	342	17.9	14.3	1,117	58.6	48.9	200	10.5	9.3
Nevada	1,096	37.3	35.9	567	19.3	18.1	1,778	60.5	56.6	417	14.2	12.3
New Hampshire	490	36.7	28.0	203	15.2	11.8	684	51.2	39.3	162	12.1	9.6

See footnotes at end of table.

Table I-16. Number of deaths, death rates, and age-adjusted death rates for major causes of death: United States, each state, Puerto Rico, Virgin Islands, Guam, American Samoa, and Northern Marianas, 2016—Con.

[Rates per 100,000 population; age-adjusted rates 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, 2016; see Technical Notes. Codes in parentheses after causes of death are categories of the *International Classification of Diseases, Tenth 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	Number	Rate	Age-adjusted	Number	Rate	Age-adjusted	Number	Rate	Age-adjusted
			rate ¹			rate ¹			rate ¹			rate ¹
New Jersey	3,401	38.0	30.4	1,208	13.5	10.7	3,064	34.3	27.9	801	9.0	7.4
New Mexico	885	42.5	35.5	353	17.0	14.6	1,131	54.3	44.4	572	27.5	24.9
New York	6,258	31.7	25.5	4,513	22.9	18.3	6,860	34.7	28.4	1,614	8.2	6.9
North Carolina	4,940	48.7	43.0	1,896	18.7	16.5	5,311	52.3	44.8	1,253	12.3	10.3
North Dakota	311	41.0	32.7	134	17.7	14.5	314	41.4	34.7	98	12.9	12.4
Ohio	5,987	51.5	40.6	2,187	18.8	15.0	7,015	60.4	47.5	1,558	13.4	10.9
Oklahoma	1,859	47.4	41.8	546	13.9	12.4	2,794	71.2	61.4	640	16.3	14.6
Oregon	1,943	47.5	37.8	452	11.0	8.9	2,080	50.8	40.4	606	14.8	12.2
Pennsylvania	6,730	52.6	37.0	2,491	19.5	13.9	6,523	51.0	36.8	1,414	11.1	8.7
Rhode Island	399	37.8	26.8	165	15.6	11.0	445	42.1	31.3	149	14.1	11.5
South Carolina	2,627	53.0	45.5	690	13.9	12.0	2,870	57.8	47.5	749	15.1	12.4
South Dakota	420	48.5	35.8	195	22.5	16.7	426	49.2	38.3	158	18.3	16.4
Tennessee	3,508	52.7	46.0	1,533	23.0	20.1	4,318	64.9	54.7	960	14.4	12.2
Texas	10,673	38.3	42.0	2,860	10.3	11.1	10,107	36.3	39.5	3,880	13.9	13.5
Utah	932	30.5	38.8	380	12.5	15.5	875	28.7	35.8	236	7.7	8.5
Vermont	247	39.5	29.2	59	9.4	7.0	355	56.8	41.3	70	11.2	8.9
Virginia	3,502	41.6	38.2	1,177	14.0	12.7	3,233	38.4	34.6	894	10.6	9.2
Washington	2,910	39.9	35.8	815	11.2	10.0	3,036	41.7	37.3	926	12.7	11.1
West Virginia	1,039	56.7	41.7	423	23.1	17.3	1,599	87.3	62.1	311	17.0	12.8
Wisconsin	2,481	42.9	33.3	888	15.4	11.9	2,786	48.2	38.3	695	12.0	9.8
Wyoming	208	35.5	31.7	99	16.9	15.0	327	55.8	48.9	88	15.0	13.2
Puerto Rico	1,162	34.1	24.2	817	23.9	17.4	1,142	33.5	23.5	287	8.4	6.3
Virgin Islands	35	32.6	32.7	11	*	*	13	*	*	10	*	*
Guam	54	32.4	49.6	26	15.6	25.7	17	*	*	20	12.0	13.0
American Samoa	24	46.0	109.0	12	*	*	3	*	*	–	*	*
Northern Marianas	23	43.8	104.9	7	*	*	4	*	*	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, Virgin Islands, Guam, American Samoa, and Northern Marianas, 2016—Con.

[Rates per 100,000 population; age-adjusted rates 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, 2016; see Technical Notes. Codes in parentheses after causes of death are categories of the *International Classification of Diseases, Tenth 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	Number	Rate	Age-adjusted	Number	Rate	Age-adjusted	Number	Rate	Age-adjusted
			rate ¹			rate ¹			rate ¹			rate ¹
United States ²	50,046	15.5	13.1	161,374	49.9	47.4	40,327	12.5	12.1	44,965	13.9	13.5
Alabama	1,012	20.8	17.4	2,755	56.6	55.5	1,158	23.8	23.9	788	16.2	15.7
Alaska	53	7.1	10.0	439	59.2	63.1	97	13.1	12.9	193	26.0	25.8
Arizona	487	7.0	5.7	4,010	57.9	54.2	993	14.3	14.1	1,271	18.3	17.7
Arkansas	722	24.2	20.0	1,604	53.7	51.8	634	21.2	20.8	555	18.6	18.2
California	3,640	9.3	8.6	13,213	33.7	32.0	4,155	10.6	10.2	4,294	10.9	10.5
Colorado	491	8.9	8.9	2,880	52.0	51.2	635	11.5	11.1	1,168	21.1	20.5
Connecticut	570	15.9	12.1	1,978	55.3	50.3	305	8.5	8.1	397	11.1	10.1
Delaware	208	21.8	17.1	516	54.2	52.4	117	12.3	12.0	119	12.5	11.5
District of Columbia	57	8.4	9.0	401	58.9	58.3	34	5.0	4.8	40	5.9	5.2
Florida	3,144	15.3	10.2	12,561	60.9	54.9	3,239	15.7	15.2	3,143	15.2	14.0
Georgia	1,864	18.1	18.4	4,701	45.6	45.8	1,628	15.8	15.5	1,409	13.7	13.3
Hawaii	215	15.1	11.2	577	40.4	35.3	135	9.5	9.1	174	12.2	12.1
Idaho	190	11.3	10.3	849	50.4	49.5	271	16.1	16.2	351	20.9	21.4
Illinois	2,518	19.7	17.0	5,508	43.0	41.0	1,177	9.2	8.9	1,415	11.1	10.7
Indiana	1,411	21.3	18.4	3,496	52.7	51.6	846	12.8	12.4	1,034	15.6	15.4
Iowa	352	11.2	8.3	1,608	51.3	45.8	431	13.7	13.5	451	14.4	14.6
Kansas	533	18.3	15.0	1,444	49.7	45.7	432	14.9	14.4	514	17.7	17.9
Kentucky	1,034	23.3	20.3	3,194	72.0	71.0	874	19.7	19.2	756	17.0	16.8
Louisiana	1,153	24.6	22.6	2,710	57.9	57.4	835	17.8	17.8	677	14.5	14.2
Maine	239	17.9	12.4	909	68.3	62.4	176	13.2	12.8	226	17.0	15.9
Maryland	823	13.7	12.1	2,271	37.7	35.7	568	9.4	9.3	586	9.7	9.4
Massachusetts	1,139	16.7	13.2	3,831	56.2	52.8	464	6.8	6.3	631	9.3	8.8
Michigan	1,791	18.0	14.3	5,313	53.5	50.5	986	9.9	9.6	1,364	13.7	13.3
Minnesota	588	10.7	8.8	2,697	48.9	43.8	477	8.6	8.3	745	13.5	13.2
Mississippi	763	25.5	22.8	1,803	60.3	59.2	785	26.3	26.2	383	12.8	12.7
Missouri	1,483	24.3	19.6	3,625	59.5	57.0	1,004	16.5	16.2	1,133	18.6	18.4
Montana	155	14.9	11.3	626	60.0	54.1	199	19.1	18.5	267	25.6	25.9
Nebraska	220	11.5	9.5	772	40.5	37.0	216	11.3	11.2	246	12.9	13.1
Nevada	274	9.3	8.8	1,395	47.4	46.0	359	12.2	11.8	650	22.1	21.4
New Hampshire	161	12.1	9.4	924	69.2	66.6	132	9.9	9.2	244	18.3	17.2

See footnotes at end of table.

Table I-16. Number of deaths, death rates, and age-adjusted death rates for major causes of death: United States, each state, Puerto Rico, Virgin Islands, Guam, American Samoa, and Northern Marianas, 2016—Con.

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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	Number	Rate	Age-adjusted	Number	Rate	Age-adjusted	Number	Rate	Age-adjusted
			rate ¹			rate ¹			rate ¹			rate ¹
New Jersey	1,535	17.2	13.8	3,839	42.9	40.8	628	7.0	6.8	687	7.7	7.2
New Mexico	293	14.1	11.7	1,487	71.5	69.5	417	20.0	20.1	471	22.6	22.5
New York	2,385	12.1	9.8	7,354	37.2	34.2	1,145	5.8	5.4	1,679	8.5	8.1
North Carolina	2,002	19.7	17.1	5,476	54.0	52.2	1,541	15.2	14.9	1,373	13.5	13.0
North Dakota	106	14.0	11.3	371	48.9	45.4	126	16.6	16.5	140	18.5	19.0
Ohio	2,262	19.5	15.4	7,999	68.9	66.6	1,324	11.4	11.0	1,707	14.7	14.2
Oklahoma	577	14.7	12.9	2,592	66.1	64.1	720	18.4	18.1	822	21.0	21.0
Oregon	398	9.7	7.7	2,105	51.4	46.0	525	12.8	12.2	772	18.9	17.8
Pennsylvania	2,813	22.0	15.7	8,410	65.8	61.8	1,283	10.0	9.7	1,970	15.4	14.7
Rhode Island	141	13.3	9.9	675	63.9	56.6	58	5.5	5.2	126	11.9	11.2
South Carolina	897	18.1	15.3	3,012	60.7	58.9	1,074	21.6	21.5	815	16.4	15.7
South Dakota	90	10.4	7.6	505	58.4	53.4	137	15.8	16.1	163	18.8	20.2
Tennessee	1,150	17.3	14.9	4,238	63.7	61.1	1,099	16.5	16.1	1,111	16.7	16.3
Texas	4,125	14.8	15.8	10,536	37.8	38.6	4,022	14.4	14.4	3,488	12.5	12.6
Utah	370	12.1	15.2	1,211	39.7	43.8	285	9.3	9.8	620	20.3	21.8
Vermont	30	4.8	3.7	372	59.6	54.8	67	10.7	10.4	118	18.9	17.3
Virginia	1,543	18.3	16.6	3,710	44.1	42.4	834	9.9	9.6	1,166	13.9	13.2
Washington	532	7.3	6.6	3,221	44.2	41.4	620	8.5	8.2	1,141	15.7	14.9
West Virginia	481	26.3	19.3	1,705	93.1	89.7	299	16.3	15.6	362	19.8	19.3
Wisconsin	960	16.6	13.0	3,575	61.9	55.6	655	11.3	10.9	866	15.0	14.7
Wyoming	66	11.3	10.0	371	63.4	61.9	106	18.1	17.7	144	24.6	25.2
Puerto Rico	855	25.1	17.9	837	24.5	20.6	305	8.9	8.4	188	5.5	5.1
Virgin Islands	21	19.5	17.5	25	23.3	23.6	9	*	*	2	*	*
Guam	11	*	*	28	16.8	19.1	12	*	*	47	28.2	29.1
American Samoa	6	*	*	13	*	*	1	*	*	3	*	*
Northern Marianas	3	*	*	12	*	*	4	*	*	7	*	*

See footnotes at end of table.

Table I-16. Number of deaths, death rates, and age-adjusted death rates for major causes of death: United States, each state, Puerto Rico, Virgin Islands, Guam, American Samoa, and Northern Marianas, 2016—Con.

[Rates per 100,000 population; age-adjusted rates 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, 2016; see Technical Notes. Codes in parentheses after causes of death are categories of the *International Classification of Diseases, Tenth 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	Number	Rate	Age-adjusted	Number	Rate	Age-adjusted	Number	Rate	Age-adjusted
			rate ¹			rate ¹			rate ¹			
United States ²	19,362	6.0	6.2	34,865	10.8	9.5	67,265	20.8	20.8	38,658	12.0	11.8
Alabama	544	11.2	11.8	395	8.1	7.0	855	17.6	18.0	1,046	21.5	21.5
Alaska	54	7.3	7.3	183	24.7	23.4	138	18.6	18.1	177	23.9	23.3
Arizona	420	6.1	6.3	1,327	19.1	17.6	1,500	21.6	21.9	1,094	15.8	15.2
Arkansas	248	8.3	8.7	286	9.6	8.5	423	14.2	14.7	541	18.1	17.8
California	2,074	5.3	5.3	5,055	12.9	11.7	5,094	13.0	12.3	3,184	8.1	7.9
Colorado	235	4.2	4.3	917	16.6	15.1	973	17.6	17.1	812	14.7	14.3
Connecticut	88	2.5	2.7	336	9.4	7.9	997	27.9	28.1	172	4.8	4.6
Delaware	63	6.6	7.0	104	10.9	9.2	288	30.3	31.4	111	11.7	11.0
District of Columbia	127	18.6	16.8	80	11.7	11.7	276	40.5	39.9	107	15.7	13.8
Florida	1,294	6.3	6.8	2,661	12.9	10.4	4,963	24.1	24.9	2,704	13.1	12.6
Georgia	806	7.8	7.9	792	7.7	6.9	1,461	14.2	14.0	1,571	15.2	15.0
Hawaii	39	2.7	2.8	97	6.8	5.7	207	14.5	13.8	66	4.6	4.5
Idaho	30	1.8	1.9	221	13.1	11.7	260	15.4	16.1	242	14.4	14.6
Illinois	1,157	9.0	9.2	1,113	8.7	7.8	2,455	19.2	19.2	1,490	11.6	11.7
Indiana	480	7.2	7.6	707	10.7	9.4	1,574	23.7	24.7	997	15.0	15.0
Iowa	85	2.7	2.8	380	12.1	10.9	338	10.8	11.2	288	9.2	9.2
Kansas	147	5.1	5.3	288	9.9	9.2	333	11.5	11.8	383	13.2	13.4
Kentucky	302	6.8	7.2	500	11.3	9.7	1,525	34.4	36.1	772	17.4	17.5
Louisiana	648	13.8	14.3	325	6.9	6.2	1,036	22.1	22.7	987	21.1	21.3
Maine	19	*	*	192	14.4	11.8	369	27.7	29.9	123	9.2	8.3
Maryland	579	9.6	10.1	354	5.9	5.2	2,089	34.7	34.0	707	11.8	11.9
Massachusetts	137	2.0	2.1	689	10.1	8.7	2,379	34.9	35.2	242	3.6	3.4
Michigan	624	6.3	6.7	1,028	10.4	8.8	2,701	27.2	28.0	1,230	12.4	12.3
Minnesota	129	2.3	2.4	669	12.1	10.5	750	13.6	13.6	432	7.8	7.6
Mississippi	345	11.5	12.1	178	6.0	5.2	374	12.5	12.9	587	19.6	19.9
Missouri	570	9.4	9.9	536	8.8	7.8	1,418	23.3	24.3	1,144	18.8	19.0
Montana	42	4.0	4.3	184	17.6	15.4	136	13.0	13.4	194	18.6	18.9
Nebraska	60	3.1	3.3	220	11.5	10.8	146	7.7	7.7	171	9.0	9.1
Nevada	211	7.2	7.4	471	16.0	13.9	678	23.1	22.1	498	16.9	16.8
New Hampshire	18	*	*	176	13.2	10.6	495	37.1	40.1	132	9.9	9.3

See footnotes at end of table.

Table I-16. Number of deaths, death rates, and age-adjusted death rates for major causes of death: United States, each state, Puerto Rico, Virgin Islands, Guam, American Samoa, and Northern Marianas, 2016—Con.

[Rates per 100,000 population; age-adjusted rates 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, 2016; see Technical Notes. Codes in parentheses after causes of death are categories of the *International Classification of Diseases, Tenth 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	Number	Rate	Age-adjusted	Number	Rate	Age-adjusted	Number	Rate	Age-adjusted
			rate ¹			rate ¹			rate ¹			rate ¹
New Jersey	395	4.4	4.6	583	6.5	5.6	2,132	23.8	23.9	485	5.4	5.5
New Mexico	185	8.9	9.4	669	32.1	30.2	525	25.2	26.3	383	18.4	18.1
New York	696	3.5	3.6	1,559	7.9	6.9	3,894	19.7	19.2	900	4.6	4.4
North Carolina	735	7.2	7.4	963	9.5	8.1	2,040	20.1	20.5	1,409	13.9	13.7
North Dakota	17	*	*	113	14.9	14.9	86	11.3	11.7	90	11.9	11.9
Ohio	721	6.2	6.5	1,151	9.9	8.3	4,477	38.5	40.4	1,524	13.1	12.9
Oklahoma	322	8.2	8.6	597	15.2	14.1	840	21.4	22.2	766	19.5	19.6
Oregon	129	3.2	3.3	829	20.3	16.9	651	15.9	15.0	513	12.5	11.9
Pennsylvania	723	5.7	6.0	935	7.3	6.1	4,762	37.2	38.8	1,555	12.2	12.0
Rhode Island	25	2.4	2.3	148	14.0	12.1	330	31.2	31.1	49	4.6	4.1
South Carolina	426	8.6	9.0	570	11.5	9.6	927	18.7	19.0	891	18.0	17.7
South Dakota	38	4.4	4.7	159	18.4	16.8	75	8.7	9.1	108	12.5	13.4
Tennessee	563	8.5	8.8	739	11.1	9.6	1,740	26.2	26.2	1,148	17.3	17.1
Texas	1,669	6.0	6.0	2,205	7.9	7.6	2,965	10.6	10.6	3,353	12.0	12.1
Utah	80	2.6	2.5	278	9.1	9.9	685	22.5	24.1	370	12.1	12.9
Vermont	11	*	*	98	15.7	12.5	131	21.0	23.3	78	12.5	11.1
Virginia	455	5.4	5.5	673	8.0	7.0	1,444	17.2	17.2	1,049	12.5	12.1
Washington	216	3.0	2.9	1,018	14.0	12.2	1,212	16.6	15.9	686	9.4	9.0
West Virginia	108	5.9	6.3	232	12.7	10.6	912	49.8	53.7	332	18.1	17.5
Wisconsin	256	4.4	4.8	743	12.9	10.7	1,103	19.1	19.8	664	11.5	11.4
Wyoming	17	*	*	139	23.7	22.2	103	17.6	18.3	101	17.3	17.4
Puerto Rico	680	19.9	21.5	215	6.3	4.8	76	2.2	2.2	638	18.7	20.2
Virgin Islands	41	38.1	44.7	7	*	*	1	*	*	39	36.3	42.8
Guam	2	*	*	3	*	*	2	*	*	3	*	*
American Samoa	2	*	*	3	*	*	—	*	*	—	*	*
Northern Marianas	1	*	*	2	*	*	1	*	*	—	*	*

¹ Figure does not meet standards of reliability or precision; see Technical Notes.

— Quantity zero.

² Death 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.

³ Excludes data for Puerto Rico, Virgin Islands, Guam, American Samoa, and Northern Marianas.

⁴ ICD-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.

⁵ 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; see Technical Notes.

⁶ 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; see Technical Notes.

⁷ ICD-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, 2016

[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, Tenth Revision* (ICD-10); see Technical Notes]

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	23,161	14,568	7,229	587.0	494.5	1,105.2
Certain infectious and parasitic diseases (A00-B99)	564	318	202	14.3	10.8	30.9
Certain intestinal infectious diseases (A00-A08)	7	5	1	*	*	*
Diarrhea and gastroenteritis of infectious origin (A09)	213	111	89	5.4	3.8	13.6
Tuberculosis (A16-A19)	1	-	-	*	*	*
Tetanus (A33,A35)	-	-	-	*	*	*
Diphtheria (A36)	-	-	-	*	*	*
Whooping cough (A37)	8	7	1	*	*	*
Meningococcal infection (A39)	2	2	-	*	*	*
Septicemia (A40-A41)	192	110	69	4.9	3.7	10.5
Congenital syphilis (A50)	2	1	1	*	*	*
Gonococcal infection (A54)	-	-	-	*	*	*
Viral diseases (A80-B34)	114	65	35	2.9	2.2	5.4
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)	114	65	35	2.9	2.2	5.4
Candidiasis (B37)	-	-	-	*	*	*
Malaria (B50-B54)	-	-	-	*	*	*
Pneumocystosis (B59)	-	-	-	*	*	*
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)	25	17	6	0.6	*	*
Neoplasms (C00-D48)	120	91	21	3.0	3.1	3.2
Malignant neoplasms (C00-C97)	67	48	16	1.7	1.6	*
Hodgkin's disease and non-Hodgkin's lymphomas (C81-C85)	-	-	-	*	*	*
Leukemia (C91-C95)	29	19	7	0.7	*	*
Other and unspecified malignant neoplasms (C00-C80,C88,C90,C96-C97)	38	29	9	1.0	1.0	*
In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior (D00-D48)	53	43	5	1.3	1.5	*
Diseases of the blood and blood-forming organs and certain disorders involving the immune mechanism (D50-D89)	103	71	24	2.6	2.4	3.7
Anemias (D50-D64)	14	8	5	*	*	*
Hemorrhagic conditions and other diseases of blood and blood-forming organs (D65-D76)	69	51	14	1.7	1.7	*
Certain disorders involving the immune mechanism (D80-D89)	20	12	5	0.5	*	*
Endocrine, nutritional and metabolic diseases (E00-E88)	194	126	48	4.9	4.3	7.3
Short stature, not elsewhere classified (E34.3)	6	4	2	*	*	*
Nutritional deficiencies (E40-E64)	6	5	1	*	*	*
Cystic fibrosis (E84)	1	-	1	*	*	*
Volume depletion, disorders of fluid, electrolyte and acid-base balance (E86-E87)	57	34	19	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)	124	83	25	3.1	2.8	3.8
Diseases of the nervous system (G00-G98)	293	207	67	7.4	7.0	10.2
Meningitis (G00,G03)	60	36	16	1.5	1.2	*
Infantile spinal muscular atrophy, type I (Werdnig-Hoffman) (G12.0)	7	6	1	*	*	*
Infantile cerebral palsy (G80)	2	2	-	*	*	*
Anoxic brain damage, not elsewhere classified (G93.1)	37	21	12	0.9	0.7	*

See footnotes at end of table.

Table I-17. Number of infant deaths and infant mortality rates for 130 selected causes, by race: United States, 2016—Con.

[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, Tenth Revision* (ICD-10); see Technical Notes]

Cause of death (based on ICD-10)	Number			Rate		
	All races ¹	White ²	Black ²	All races ¹	White ²	Black ²
Other diseases of nervous system (G04,G06–G11,G12.1–G12.9,G20–G72,G81–G92,G93.0, G93.2–G93.9,G95–G98)	187	142	38	4.7	4.8	5.8
Diseases of the ear and mastoid process (H60–H93)	3	2	1	*	*	*
Diseases of the circulatory system (I00–I99)	460	302	134	11.7	10.3	20.5
Pulmonary heart disease and diseases of pulmonary circulation (I26–I28)	96	59	31	2.4	2.0	4.7
Pericarditis, endocarditis and myocarditis (I30,I33,I40)	16	10	4	*	*	*
Cardiomyopathy (I42)	89	60	25	2.3	2.0	3.8
Cardiac arrest (I46)	10	7	3	*	*	*
Cerebrovascular diseases (I60–I69)	124	78	39	3.1	2.6	6.0
All other diseases of circulatory system (I00–I25,I31,I34–I38,I44–I45,I47–I51,I70–I99)	125	88	32	3.2	3.0	4.9
Diseases of the respiratory system (J00–J98,U04)	538	316	193	13.6	10.7	29.5
Acute upper respiratory infections (J00–J06)	13	9	4	*	*	*
Influenza and pneumonia (J09–J18)	166	94	64	4.2	3.2	9.8
Influenza (J09–J11)	13	7	6	*	*	*
Pneumonia (J12–J18)	153	87	58	3.9	3.0	8.9
Acute bronchitis and acute bronchiolitis (J20–J21)	39	25	13	1.0	0.8	*
Bronchitis, chronic and unspecified (J40–J42)	23	14	9	0.6	*	*
Asthma (J45–J46)	3	–	2	*	*	*
Pneumonitis due to solids and liquids (J69)	12	7	3	*	*	*
Other and unspecified diseases of respiratory system (J22,J30–J39,J43–J44,J47–J68,J70–J98,U04)	282	167	98	7.1	5.7	15.0
Diseases of the digestive system (K00–K92)	182	121	44	4.6	4.1	6.7
Gastritis, duodenitis, and noninfective enteritis and colitis (K29,K50–K55)	31	21	8	0.8	0.7	*
Hernia of abdominal cavity and intestinal obstruction without hernia (K40–K46,K56)	42	30	11	1.1	1.0	*
All other and unspecified diseases of digestive system (K00–K28,K30–K38,K57–K92)	109	70	25	2.8	2.4	3.8
Diseases of the genitourinary system (N00–N95)	81	49	26	2.1	1.7	4.0
Renal failure and other disorders of kidney (N17–N19,N25,N27)	57	34	18	1.4	1.2	*
Other and unspecified diseases of genitourinary system (N00–N15,N20–N23,N26,N28–N95)	24	15	8	0.6	*	*
Certain conditions originating in the perinatal period (P00–P96)	11,365	6,724	3,947	288.0	228.2	603.5
Newborn affected by maternal factors and by complications of pregnancy, labor and delivery (P00–P04)	2,567	1,525	872	65.1	51.8	133.3
Newborn affected by maternal hypertensive disorders (P00.0)	66	37	24	1.7	1.3	3.7
Newborn affected by other maternal conditions which may be unrelated to present pregnancy (P00.1–P00.9)	82	48	29	2.1	1.6	4.4
Newborn affected by maternal complications of pregnancy (P01)	1,402	823	492	35.5	27.9	75.2
Newborn affected by incompetent cervix (P01.0)	422	234	157	10.7	7.9	24.0
Newborn affected by premature rupture of membranes (P01.1)	728	421	266	18.4	14.3	40.7
Newborn affected by multiple pregnancy (P01.5)	99	68	24	2.5	2.3	3.7
Newborn affected by other maternal complications of pregnancy (P01.2–P01.4,P01.6–P01.9)	153	100	45	3.9	3.4	6.9
Newborn affected by complications of placenta, cord and membranes (P02)	841	506	271	21.3	17.2	41.4
Newborn affected by complications involving placenta (P02.0–P02.3)	443	282	124	11.2	9.6	19.0
Newborn affected by complications involving cord (P02.4–P02.6)	46	40	5	1.2	1.4	*
Newborn affected by chorioamnionitis (P02.7)	351	184	141	8.9	6.2	21.6

Table I-17. Number of infant deaths and infant mortality rates for 130 selected causes, by race: United States, 2016—Con.

[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, Tenth Revision* (ICD-10); see Technical Notes]

Cause of death (based on ICD-10)	Number			Rate		
	All races ¹	White ²	Black ²	All races ¹	White ²	Black ²
Newborn affected by other and unspecified abnormalities of membranes (P02.8–P02.9)	1	–	1	*	*	*
Newborn affected by other complications of labor and delivery (P03)	131	80	45	3.3	2.7	6.9
Newborn affected by noxious influences transmitted via placenta or breast milk (P04)	45	31	11	1.1	1.1	*
Disorders related to length of gestation and fetal malnutrition (P05–P08)	4,029	2,164	1,641	102.1	73.5	250.9
Slow fetal growth and fetal malnutrition (P05)	102	57	42	2.6	1.9	6.4
Disorders related to short gestation and low birth weight, not elsewhere classified (P07)	3,927	2,107	1,599	99.5	71.5	244.5
Extremely low birth weight or extreme immaturity (P07.0,P07.2)	3,089	1,664	1,249	78.3	56.5	191.0
Other low birth weight or preterm (P07.1,P07.3)	838	443	350	21.2	15.0	53.5
Disorders related to long gestation and high birth weight (P08)	–	–	–	*	*	*
Birth trauma (P10–P15)	17	13	3	*	*	*
Intrauterine hypoxia and birth asphyxia (P20–P21)	342	224	91	8.7	7.6	13.9
Intrauterine hypoxia (P20)	181	113	49	4.6	3.8	7.5
Birth asphyxia (P21)	161	111	42	4.1	3.8	6.4
Respiratory distress of newborn (P22)	488	287	164	12.4	9.7	25.1
Other respiratory conditions originating in the perinatal period (P23–P28)	809	517	253	20.5	17.5	38.7
Congenital pneumonia (P23)	52	26	22	1.3	0.9	3.4
Neonatal aspiration syndromes (P24)	42	29	9	1.1	1.0	*
Interstitial emphysema and related conditions originating in the perinatal period (P25)	102	68	28	2.6	2.3	4.3
Pulmonary hemorrhage originating in the perinatal period (P26)	178	114	58	4.5	3.9	8.9
Chronic respiratory disease originating in the perinatal period (P27)	94	52	38	2.4	1.8	5.8
Atelectasis (P28.0–P28.1)	276	183	81	7.0	6.2	12.4
All other respiratory conditions originating in the perinatal period (P28.2–P28.9)	65	45	17	1.6	1.5	*
Infections specific to the perinatal period (P35–P39)	767	464	265	19.4	15.8	40.5
Bacterial sepsis of newborn (P36)	583	338	216	14.8	11.5	33.0
Omphalitis of newborn with or without mild hemorrhage (P38)	1	1	–	*	*	*
All other infections specific to the perinatal period (P35,P37,P39)	183	125	49	4.6	4.2	7.5
Hemorrhagic and hematological disorders of newborn (P50–P61)	515	344	141	13.1	11.7	21.6
Neonatal hemorrhage (P50–P52,P54)	398	271	103	10.1	9.2	15.7
Hemorrhagic disease of newborn (P53)	4	4	–	*	*	*
Hemolytic disease of newborn due to isoimmunization and other perinatal jaundice (P55–P59)	19	13	4	*	*	*
Hematological disorders (P60–P61)	94	56	34	2.4	1.9	5.2
Syndrome of infant of a diabetic mother and neonatal diabetes mellitus (P70.0–P70.2)	16	14	1	*	*	*
Necrotizing enterocolitis of newborn (P77)	341	184	137	8.6	6.2	20.9
Hydrops fetalis not due to hemolytic disease (P83.2)	178	143	18	4.5	4.9	*
Other perinatal conditions (P29,P70.3–P70.9,P71–P76,P78–P81,P83.0–P83.1,P83.3–P83.9,P90–P96)	1,296	845	361	32.8	28.7	55.2
Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	4,816	3,550	997	122.1	120.5	152.4
Anencephaly and similar malformations (Q00)	295	242	41	7.5	8.2	6.3
Congenital hydrocephalus (Q03)	85	67	14	2.2	2.3	*
Spina bifida (Q05)	15	9	4	*	*	*

Table I-17. Number of infant deaths and infant mortality rates for 130 selected causes, by race: United States, 2016—Con.

[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, Tenth Revision* (ICD-10); see Technical Notes]

Cause of death (based on ICD-10)	Number			Rate		
	All races ¹	White ²	Black ²	All races ¹	White ²	Black ²
Other congenital malformations of nervous system (Q01–Q02,Q04,Q06–Q07)	296	220	62	7.5	7.5	9.5
Congenital malformations of heart (Q20–Q24)	1,058	754	235	26.8	25.6	35.9
Other congenital malformations of circulatory system (Q25–Q28)	196	142	37	5.0	4.8	5.7
Congenital malformations of respiratory system (Q30–Q34)	379	265	101	9.6	9.0	15.4
Congenital malformations of digestive system (Q35–Q45)	66	49	12	1.7	1.7	*
Congenital malformations of genitourinary system (Q50–Q64)	454	328	106	11.5	11.1	16.2
Congenital malformations and deformations of musculoskeletal system, limbs and integument (Q65–Q85)	585	442	110	14.8	15.0	16.8
Down's syndrome (Q90)	64	46	15	1.6	1.6	*
Edward's syndrome (Q91.0–Q91.3)	475	353	96	12.0	12.0	14.7
Patau's syndrome (Q91.4–Q91.7)	228	172	44	5.8	5.8	6.7
Other congenital malformations and deformations (Q10–Q18,Q86–Q89)	491	365	96	12.4	12.4	14.7
Other chromosomal abnormalities, not elsewhere classified (Q92–Q99)	129	96	24	3.3	3.3	3.7
Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified (R00–R99)	2,793	1,679	958	70.8	57.0	146.5
Sudden infant death syndrome (R95)	1,500	911	512	38.0	30.9	78.3
Other symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified (R00–R53,R55–R94,R96–R99)	1,293	768	446	32.8	26.1	68.2
All other diseases (residual)	15	10	2	*	*	*
External causes of mortality (*U01,V01–Y84)	1,634	1,002	565	41.4	34.0	86.4
Accidents (unintentional injuries) (V01–X59)	1,219	734	437	30.9	24.9	66.8
Transport accidents (V01–V99)	92	59	28	2.3	2.0	4.3
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	58	28	2.3	2.0	4.3
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)	1	1	–	*	*	*
Falls (W00–W19)	7	4	2	*	*	*
Accidental discharge of firearms (W32–W34)	1	1	–	*	*	*
Accidental drowning and submersion (W65–W74)	38	25	10	1.0	0.8	*
Accidental suffocation and strangulation in bed (W75)	860	501	328	21.8	17.0	50.1
Other accidental suffocation and strangulation (W76–W77,W81–W84)	130	82	44	3.3	2.8	6.7
Accidental inhalation and ingestion of food or other objects causing obstruction of respiratory tract (W78–W80)	33	24	9	0.8	0.8	*
Accidents caused by exposure to smoke, fire and flames (X00–X09)	12	6	6	*	*	*
Accidental poisoning and exposure to noxious substances (X40–X49)	9	6	3	*	*	*
Other and unspecified accidents (W20–W31,W35–W64,W85–W99,X10–X39,X50–X59)	37	26	7	0.9	0.9	*
Assault (homicide) (*U01,X85–Y09)	276	167	95	7.0	5.7	14.5
Assault (homicide) by hanging, strangulation and suffocation (X91)	19	14	3	*	*	*
Assault (homicide) by discharge of firearms (*U01.4,X93–X95)	11	3	7	*	*	*
Neglect, abandonment and other maltreatment syndromes (Y06–Y07)	62	35	24	1.6	1.2	3.7
Assault (homicide) by other and unspecified means (*U01.0–*U01.3,*U01.5–*U01.9,X85–X90,X92,X96–X99,Y00–Y05,Y08–Y09)	184	115	61	4.7	3.9	9.3

Table I-17. Number of infant deaths and infant mortality rates for 130 selected causes, by race: United States, 2016—Con.

[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, Tenth Revision* (ICD-10); see Technical Notes]

Cause of death (based on ICD-10)	Number			Rate		
	All races ¹	White ²	Black ²	All races ¹	White ²	Black ²
Complications of medical and surgical care (Y40-Y84)	18	13	5	*	*	*
Other external causes (Y10-Y36)	121	88	28	3.1	3.0	4.3

* Figure does not meet standards of reliability or precision; 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 2016, multiple-race data were reported by 49 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, 2016

[Population estimates for Mexican, Puerto Rican, Cuban, Central and 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, 2016; see Technical Notes. Population estimates for Hispanic total (see Table III) are based on the 2010 census, estimated as of July 1, 2016. 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 groups (years)											
	All ages	Under 1 year	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85 and over
	Population (standard error)											
Mexican	36,255,585 (56,714)	632,530 (9,628)	2,768,785 (13,768)	7,084,815 (26,040)	6,403,790 (20,770)	5,645,495 (22,928)	5,161,100 (24,322)	3,965,585 (17,629)	2,525,485 (14,851)	1,294,715 (10,580)	564,295 (6,739)	208,990 (4,336)
Male	18,488,890 (41,968)	325,105 (6,714)	1,420,205 (9,740)	3,621,220 (19,432)	3,284,050 (15,536)	2,960,820 (16,986)	2,649,900 (18,516)	2,035,165 (13,028)	1,260,655 (10,710)	609,285 (7,791)	245,950 (4,430)	76,535 (2,510)
Female	17,766,695 (38,147)	307,425 (6,901)	1,348,580 (9,731)	3,463,595 (17,334)	3,119,740 (13,785)	2,684,675 (15,401)	2,511,200 (15,771)	1,930,420 (11,877)	1,264,830 (10,288)	685,430 (7,159)	318,345 (5,078)	132,455 (3,535)
Puerto Rican	5,450,475 (25,198)	85,890 (3,342)	388,475 (6,521)	935,795 (11,327)	906,470 (9,622)	815,805 (9,878)	737,265 (9,969)	645,340 (8,276)	479,895 (7,069)	283,065 (5,367)	128,150 (3,341)	44,325 (2,234)
Male	2,701,355 (18,123)	43,420 (2,297)	198,640 (4,591)	481,545 (8,292)	471,785 (7,162)	410,425 (7,187)	357,225 (7,155)	320,930 (5,942)	225,180 (4,952)	124,585 (3,693)	52,635 (2,050)	14,985 (1,225)
Female	2,749,120 (17,508)	42,470 (2,427)	189,835 (4,631)	454,250 (7,716)	434,685 (6,425)	405,380 (6,776)	380,040 (6,942)	324,410 (5,761)	254,715 (5,045)	158,480 (3,895)	75,515 (2,638)	29,340 (1,868)
Cuban	2,212,560 (16,010)	27,105 (1,979)	107,430 (3,745)	239,875 (5,716)	259,980 (5,394)	314,540 (6,231)	292,250 (6,287)	344,660 (6,180)	251,320 (5,246)	182,835 (4,095)	129,440 (3,279)	63,125 (2,238)
Male	1,102,255 (11,493)	13,560 (1,381)	54,920 (2,858)	122,880 (4,144)	131,735 (3,701)	158,855 (4,504)	152,610 (4,601)	183,260 (4,627)	125,405 (3,812)	84,240 (2,785)	53,055 (2,072)	21,735 (1,306)
Female	1,110,305 (11,145)	13,545 (1,418)	52,510 (2,420)	116,995 (3,937)	128,245 (3,925)	155,685 (4,306)	139,640 (4,285)	161,400 (4,097)	125,915 (3,604)	98,595 (3,002)	76,385 (2,541)	41,390 (1,818)
Central and South American	8,780,330 (33,160)	131,680 (4,339)	576,530 (8,984)	1,312,175 (13,857)	1,314,650 (13,304)	1,497,810 (13,604)	1,460,690 (13,287)	1,155,725 (11,441)	746,500 (8,838)	365,585 (6,165)	164,530 (4,073)	54,455 (2,412)
Male	4,384,545 (23,984)	68,635 (3,196)	287,855 (6,311)	662,975 (9,849)	677,930 (9,622)	799,545 (10,441)	756,345 (9,902)	567,295 (8,355)	337,345 (5,916)	151,580 (3,935)	59,040 (2,556)	16,000 (1,314)
Female	4,395,785 (22,898)	63,045 (2,936)	288,675 (6,394)	649,200 (9,748)	636,720 (9,188)	698,265 (8,720)	704,345 (8,859)	588,430 (7,816)	409,155 (6,566)	214,005 (4,746)	105,490 (3,171)	38,455 (2,023)
Dominican	1,914,140 (15,628)	31,110 (2,258)	138,185 (4,566)	286,125 (6,359)	317,080 (6,208)	324,375 (6,432)	260,385 (5,760)	237,505 (5,212)	176,950 (4,506)	89,480 (3,307)	38,780 (2,181)	14,165 (1,265)
Male	903,935 (10,968)	16,045 (1,671)	70,510 (3,432)	148,825 (4,342)	159,215 (4,291)	158,845 (4,723)	118,145 (4,000)	101,575 (3,791)	74,145 (3,001)	37,665 (2,087)	14,415 (1,346)	4,550 (780)
Female	1,010,205 (11,133)	15,065 (1,519)	67,675 (3,012)	137,300 (4,646)	157,865 (4,486)	165,530 (4,366)	142,240 (4,145)	135,930 (3,577)	102,805 (3,361)	51,815 (2,565)	24,365 (1,716)	9,615 (996)
Other and unknown Hispanic	2,785,695 (17,372)	43,210 (2,301)	164,530 (4,727)	451,890 (7,026)	458,875 (7,281)	392,750 (7,025)	349,120 (6,498)	326,490 (5,683)	286,890 (4,928)	179,610 (3,720)	94,265 (2,751)	38,065 (1,487)
Male	1,386,070 (12,622)	21,310 (1,684)	85,290 (3,501)	231,070 (5,331)	235,105 (5,140)	204,495 (5,055)	178,925 (5,030)	163,635 (4,247)	134,205 (3,212)	79,495 (2,365)	38,705 (1,885)	13,835 (1,005)
Female	1,399,625 (11,937)	21,900 (1,568)	79,240 (3,175)	220,820 (4,577)	223,770 (5,156)	188,255 (4,879)	170,195 (4,114)	162,855 (3,775)	152,685 (3,738)	100,115 (2,872)	55,560 (2,004)	24,230 (1,095)

SOURCE: Population estimates are based on unpublished tabulations prepared by the U.S. Census Bureau, American Community Survey, 2016 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, 2016

[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, 2016; see Technical Notes. 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
	Population (standard error)							
All races	262,140,060 (130,842)	43,664,575 (38,325)	44,390,255 (57,173)	40,655,595 (58,127)	42,755,590 (51,071)	41,458,875 (54,683)	28,681,815 (43,986)	20,533,355 (38,341)
Never married	88,337,400 (69,167)	41,079,680 (33,393)	23,724,185 (37,716)	9,693,035 (31,454)	6,557,250 (24,908)	4,538,820 (20,422)	1,839,985 (12,143)	904,445 (8,497)
Ever married	173,802,660 (111,066)	2,584,895 (18,807)	20,666,070 (42,969)	30,962,560 (48,881)	36,198,340 (44,585)	36,920,055 (50,726)	26,841,830 (42,277)	19,628,910 (37,388)
Married	129,745,905 (91,172)	2,411,665 (18,396)	18,449,440 (39,855)	25,910,555 (42,072)	28,054,120 (35,980)	27,117,485 (40,590)	18,361,965 (32,505)	9,440,675 (24,835)
Widowed	15,247,390 (35,540)	23,340 (1,594)	99,040 (4,151)	264,925 (5,832)	819,765 (9,271)	2,114,050 (13,684)	3,832,785 (18,321)	8,093,485 (24,503)
Divorced	28,809,365 (52,537)	149,890 (3,571)	2,117,590 (15,514)	4,787,080 (24,193)	7,324,455 (24,644)	7,688,520 (27,172)	4,647,080 (19,878)	2,094,750 (13,442)
All races, male	127,863,560 (90,125)	22,397,060 (27,595)	22,398,730 (40,302)	20,215,645 (40,777)	21,101,370 (34,914)	19,990,310 (37,206)	13,409,280 (30,681)	8,351,165 (23,011)
Never married	47,194,880 (50,169)	21,389,325 (24,717)	13,144,635 (27,314)	5,366,000 (22,590)	3,636,210 (18,547)	2,441,970 (14,625)	872,590 (8,076)	344,150 (5,156)
Ever married	80,668,680 (74,870)	1,007,735 (12,270)	9,254,095 (29,634)	14,849,645 (33,948)	17,465,160 (29,580)	17,548,340 (34,211)	12,536,690 (29,599)	8,007,015 (22,426)
Married	64,930,440 (64,244)	943,045 (11,992)	8,334,155 (28,120)	12,644,810 (29,295)	13,936,195 (24,211)	13,647,295 (28,322)	9,810,940 (25,041)	5,614,000 (17,866)
Widowed	3,384,565 (16,365)	11,385 (1,132)	34,050 (2,415)	71,005 (2,875)	222,865 (4,597)	515,965 (6,510)	852,190 (8,420)	1,677,105 (10,864)
Divorced	12,353,675 (34,791)	53,305 (2,337)	885,890 (9,033)	2,133,830 (16,911)	3,306,100 (16,361)	3,385,080 (18,051)	1,873,560 (13,347)	715,910 (8,105)
All races, female	134,276,500 (94,853)	21,267,515 (26,596)	21,991,525 (40,553)	20,439,950 (41,424)	21,654,220 (37,273)	21,468,565 (40,074)	15,272,535 (31,520)	12,182,190 (30,669)
Never married	41,142,520 (47,614)	19,690,355 (22,454)	10,579,550 (26,008)	4,327,035 (21,888)	2,921,040 (16,625)	2,096,850 (14,254)	967,395 (9,068)	560,295 (6,754)
Ever married	93,133,980 (82,037)	1,577,160 (14,253)	11,411,975 (31,115)	16,112,915 (35,169)	18,733,180 (33,359)	19,371,715 (37,454)	14,305,140 (30,187)	11,621,895 (29,916)
Married	64,815,465 (64,691)	1,468,620 (13,950)	10,115,285 (28,243)	13,265,745 (30,196)	14,117,925 (26,616)	13,470,190 (29,076)	8,551,025 (20,725)	3,826,675 (17,250)
Widowed	11,862,825 (31,548)	11,955 (1,122)	64,990 (3,376)	193,920 (5,074)	596,900 (8,052)	1,598,085 (12,037)	2,980,595 (16,272)	6,416,380 (21,963)
Divorced	16,455,690 (39,367)	96,585 (2,700)	1,231,700 (12,613)	2,653,250 (17,300)	4,018,355 (18,429)	4,303,440 (20,310)	2,773,520 (14,730)	1,378,840 (10,724)

SOURCE: Population estimates are based on unpublished tabulations prepared by the U.S. Census Bureau, American Community Survey, 2016 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 District of Columbia using 2003 version of U.S. Standard Certificate of Death, and 1 reporting state using 1989 version of U.S. Standard Certificate of Death, 2016

[Population estimates are based on the American Community Survey adjusted to postcensal July 1, 2016 resident population control totals for reporting areas; see Technical Notes. Standard errors are shown in parentheses below each population estimate]

49 reporting states and District of Columbia ¹ using 2003 version of U.S. Standard Certificate of Death						1 reporting state ² using 1989 version of U.S. Standard Certificate of Death					
Education level and sex	Age group (years)					Years of school completed and sex	Age group (years)				
	25-64	25-34	35-44	45-54	55-64		25-64	25-34	35-44	45-54	55-64
All races						All races					
Population (standard error)						Population (standard error)					
Both sexes	168,312,250 (122,497)	44,174,270 (65,220)	40,432,885 (63,861)	42,512,110 (58,458)	41,192,985 (57,063)	Both sexes	947,985 (8,650)	216,100 (4,093)	222,595 (4,386)	243,430 (4,140)	265,860 (4,657)
Less than high school diploma or GED	19,198,630 (45,246)	4,363,375 (22,467)	4,877,375 (24,109)	5,097,875 (22,241)	4,860,005 (21,599)	Less than 12 years	109,760 (3,229)	21,420 (1,378)	22,430 (1,507)	29,760 (1,654)	36,150 (1,877)
High school diploma or GED	43,465,205 (61,884)	10,438,935 (32,176)	9,533,605 (31,687)	11,514,850 (29,561)	11,977,815 (30,271)	12 years	370,350 (5,052)	73,500 (2,124)	80,700 (2,625)	102,110 (2,269)	114,040 (2,994)
Some college or collegiate degree	105,648,415 (95,544)	29,371,960 (52,092)	26,021,905 (49,929)	25,899,385 (45,264)	24,355,165 (43,282)	13 years or more	467,875 (6,234)	121,180 (3,215)	119,465 (3,175)	111,560 (3,042)	115,670 (3,033)
Male	83,235,800 (86,754)	22,290,810 (46,657)	20,103,515 (45,117)	20,979,390 (41,337)	19,862,085 (40,063)	Male	470,185 (5,932)	107,970 (2,876)	112,085 (2,947)	121,925 (2,811)	128,205 (3,214)
Less than high school diploma or GED	10,559,965 (33,679)	2,528,780 (17,222)	2,703,015 (18,078)	2,792,635 (16,398)	2,535,535 (15,557)	Less than 12 years	64,840 (2,462)	11,770 (1,044)	12,625 (1,078)	18,565 (1,307)	21,880 (1,449)
High school diploma or GED	23,451,710 (45,413)	6,021,335 (23,886)	5,369,765 (23,830)	6,145,180 (21,471)	5,915,430 (21,515)	12 years	197,990 (3,446)	41,490 (1,520)	47,630 (1,830)	52,425 (1,404)	56,445 (2,060)
Some college or collegiate degree	49,224,125 (65,800)	13,740,695 (36,191)	12,030,735 (33,777)	12,041,575 (31,286)	11,411,120 (30,002)	13 years or more	207,355 (4,153)	54,710 (2,207)	51,830 (2,042)	50,935 (2,055)	49,880 (1,996)
Female	85,076,450 (86,482)	21,883,460 (45,572)	20,329,370 (45,196)	21,532,720 (41,335)	21,330,900 (40,634)	Female	477,800 (6,295)	108,130 (2,912)	110,510 (3,249)	121,505 (3,039)	137,655 (3,371)
Less than high school diploma or GED	8,638,665 (30,214)	1,834,595 (14,429)	2,174,360 (15,951)	2,305,240 (15,027)	2,324,470 (14,983)	Less than 12 years	44,920 (2,090)	9,650 (899)	9,805 (1,052)	11,195 (1,014)	14,270 (1,192)
High school diploma or GED	20,013,495 (42,039)	4,417,600 (21,558)	4,163,840 (20,886)	5,369,670 (20,318)	6,062,385 (21,294)	12 years	172,360 (3,694)	32,010 (1,484)	33,070 (1,882)	49,685 (1,783)	57,595 (2,173)
Some college or collegiate degree	56,424,290 (69,275)	15,631,265 (37,468)	13,991,170 (36,770)	13,857,810 (32,711)	12,944,045 (31,196)	13 years or more	260,520 (4,650)	66,470 (2,338)	67,635 (2,431)	60,625 (2,242)	65,790 (2,284)

¹Includes data for Alabama, Alaska, Arizona, Arkansas, California, Colorado, Connecticut, Delaware, District of Columbia, 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; see Technical Notes.²Includes data for West Virginia; see Technical Notes.

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, 2016 1-Year.