

Table 39. Death rates for suicide, by sex, race, Hispanic origin, and age: United States, selected years 1950-2010

(Data are based on death certificates)

Sex, race, Hispanic origin, and age	1950 ^{1,2}	1960 ^{1,2}	1970 ²	1980 ²	1990 ²	2000 ³	2009 ³	2010 ³
All persons	Deaths per 100,000 resident population							
All ages, age-adjusted ⁴	13.2	12.5	13.1	12.2	12.5	10.4	11.8	12.1
All ages, crude.....	11.4	10.6	11.6	11.9	12.4	10.4	12.0	12.4
Under 1 year.....	...	...	...	...	...	...	...	...
1-4 years.....	...	...	...	...	...	...	...	...
5-14 years.....	0.2	0.3	0.3	0.4	0.8	0.7	0.6	0.7
15-24 years.....	4.5	5.2	8.8	12.3	13.2	10.2	10.0	10.5
15-19 years.....	2.7	3.6	5.9	8.5	11.1	8.0	7.5	7.5
20-24 years.....	6.2	7.1	12.2	16.1	15.1	12.5	12.6	13.6
25-44 years.....	11.6	12.2	15.4	15.6	15.2	13.4	14.6	15.0
25-34 years.....	9.1	10.0	14.1	16.0	15.2	12.0	13.1	14.0
35-44 years.....	14.3	14.2	16.9	15.4	15.3	14.5	16.1	16.0
45-64 years.....	23.5	22.0	20.6	15.9	15.3	13.5	17.9	18.6
45-54 years.....	20.9	20.7	20.0	15.9	14.8	14.4	19.2	19.6
55-64 years.....	26.8	23.7	21.4	15.9	16.0	12.1	16.4	17.5
65 years and over.....	30.0	24.5	20.8	17.6	20.5	15.2	14.8	14.9
65-74 years.....	29.6	23.0	20.8	16.9	17.9	12.5	13.7	13.7
75-84 years.....	31.1	27.9	21.2	19.1	24.9	17.6	15.8	15.7
85 years and over.....	28.8	26.0	19.0	19.2	22.2	19.6	16.4	17.6
Male								
All ages, age-adjusted ⁴	21.2	20.0	19.8	19.9	21.5	17.7	19.2	19.8
All ages, crude.....	17.8	16.5	16.8	18.6	20.4	17.1	19.3	19.9
Under 1 year.....	...	...	...	...	...	...	...	...
1-4 years.....	...	...	...	...	...	...	...	...
5-14 years.....	0.3	0.4	0.5	0.6	1.1	1.2	0.8	0.9
15-24 years.....	6.5	8.2	13.5	20.2	22.0	17.1	16.1	16.9
15-19 years.....	3.5	5.6	8.8	13.8	18.1	13.0	11.6	11.7
20-24 years.....	9.3	11.5	19.3	26.8	25.7	21.4	20.8	22.2
25-44 years.....	17.2	17.9	20.9	24.0	24.4	21.3	23.0	23.6
25-34 years.....	13.4	14.7	19.8	25.0	24.8	19.6	21.0	22.5
35-44 years.....	21.3	21.0	22.1	22.5	23.9	22.8	24.9	24.6
45-64 years.....	37.1	34.4	30.0	23.7	24.3	21.3	27.9	29.2
45-54 years.....	32.0	31.6	27.9	22.9	23.2	22.4	29.3	30.4
55-64 years.....	43.6	38.1	32.7	24.5	25.7	19.4	26.1	27.7
65 years and over.....	52.8	44.0	38.4	35.0	41.6	31.1	29.1	29.0
65-74 years.....	50.5	39.6	36.0	30.4	32.2	22.7	24.3	23.9
75-84 years.....	58.3	52.5	42.8	42.3	56.1	38.6	32.9	32.3
85 years and over.....	58.3	57.4	42.4	50.6	65.9	57.5	44.0	47.3

Female

All ages, age-adjusted ⁴	5.6	5.6	7.4	5.7	4.8	4.0	4.9	5.0
All ages, crude.....	5.1	4.9	6.6	5.5	4.8	4.0	5.0	5.2
Under 1 year.....	...	...	...	...	...	...	...	...
1-4 years.....	...	...	...	...	...	...	...	...
5-14 years.....	0.1	0.1	0.2	0.2	0.4	0.3	0.5	0.4
15-24 years.....	2.6	2.2	4.2	4.3	3.9	3.0	3.6	3.9
15-19 years.....	1.8	1.6	2.9	3.0	3.7	2.7	3.2	3.1
20-24 years.....	3.3	2.9	5.7	5.5	4.1	3.2	4.1	4.7
25-44 years.....	6.2	6.6	10.2	7.7	6.2	5.4	6.2	6.4
25-34 years.....	4.9	5.5	8.6	7.1	5.6	4.3	5.1	5.3
35-44 years.....	7.5	7.7	11.9	8.5	6.8	6.4	7.4	7.5
45-64 years.....	9.9	10.2	12.0	8.9	7.1	6.2	8.5	8.6
45-54 years.....	9.9	10.2	12.6	9.4	6.9	6.7	9.3	9.0
55-64 years.....	9.9	10.2	11.4	8.4	7.3	5.4	7.4	8.0
65 years and over.....	9.4	8.4	8.1	6.1	6.4	4.0	4.0	4.2
65-74 years.....	10.1	8.4	9.0	6.5	6.7	4.0	4.6	4.8
75-84 years.....	8.1	8.9	7.0	5.5	6.3	4.0	3.6	3.7
85 years and over.....	8.2	6.0	5.9	5.5	5.4	4.2	3.2	3.3

White male⁵

All ages, age-adjusted ⁴	22.3	21.1	20.8	20.9	22.8	19.1	21.4	22.0
All ages, crude.....	19.0	17.6	18.0	19.9	22.0	18.8	21.9	22.6
15-24 years.....	6.6	8.6	13.9	21.4	23.2	17.9	17.6	18.3
25-44 years.....	17.9	18.5	21.5	24.6	25.4	22.9	25.7	26.2
45-64 years.....	39.3	36.5	31.9	25.0	26.0	23.2	31.4	33.0
65 years and over.....	55.8	46.7	41.1	37.2	44.2	33.3	31.5	31.7
65-74 years.....	53.2	42.0	38.7	32.5	34.2	24.3	26.6	26.3
75-84 years.....	61.9	55.7	45.5	45.5	60.2	41.1	35.3	34.9
85 years and over.....	61.9	61.3	45.8	52.8	70.3	61.6	46.9	50.8

Black or African American male⁵

All ages, age-adjusted ⁴	7.5	8.4	10.0	11.4	12.8	10.0	8.9	9.1
All ages, crude.....	6.3	6.4	8.0	10.3	12.0	9.4	8.5	8.7
15-24 years.....	4.9	4.1	10.5	12.3	15.1	14.2	10.4	11.1
25-44 years.....	9.8	12.6	16.1	19.2	19.6	14.3	13.2	14.5
45-64 years.....	12.7	13.0	12.4	11.8	13.1	9.9	9.6	9.5
65 years and over.....	9.0	9.9	8.7	11.4	14.9	11.5	9.6	8.3
65-74 years.....	10.0	11.3	8.7	11.1	14.7	11.1	8.0	7.6
75-84 years ⁶	*	*	*	10.5	14.4	12.1	11.9	9.9
85 years and over.....	---	*	*	*	*	*	*	*

American Indian or
Alaska Native male⁵

All ages, age-adjusted ⁴	---	---	---	19.3	20.1	16.0	14.6	15.5
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All ages, crude.....	---	---	---	20.9	20.9	15.9	15.1	16.1
15-24 years.....	---	---	---	45.3	49.1	26.2	28.9	30.6
25-44 years.....	---	---	---	31.2	27.8	24.5	20.4	20.9
45-64 years.....	---	---	---	*	*	15.4	15.4	17.8
65 years and over.....	---	---	---	*	*	*	*	*

Asian or
Pacific Islander male⁵

All ages, age-adjusted ⁴	---	---	---	10.7	9.6	8.6	8.7	9.5
All ages, crude.....	---	---	---	8.8	8.7	7.9	8.4	9.3
15-24 years.....	---	---	---	10.8	13.5	9.1	8.0	10.9
25-44 years.....	---	---	---	11.0	10.6	9.9	9.7	10.6
45-64 years.....	---	---	---	13.0	9.7	9.7	12.1	12.8
65 years and over.....	---	---	---	18.6	16.8	15.4	15.3	14.9

Hispanic or Latino male^{5,7}

All ages, age-adjusted ⁴	---	---	---	---	13.7	10.3	9.9	9.9
All ages, crude.....	---	---	---	---	11.4	8.4	8.5	8.5
15-24 years.....	---	---	---	---	14.7	10.9	10.7	10.7
25-44 years.....	---	---	---	---	16.2	11.2	11.4	11.2
45-64 years.....	---	---	---	---	16.1	12.0	12.6	12.9
65 years and over.....	---	---	---	---	23.4	19.5	16.0	15.7

White, not Hispanic
or Latino male⁷

All ages, age-adjusted ⁴	---	---	---	---	23.5	20.2	23.4	24.2
All ages, crude.....	---	---	---	---	23.1	20.4	24.7	25.7
15-24 years.....	---	---	---	---	24.4	19.5	19.4	20.4
25-44 years.....	---	---	---	---	26.4	25.1	29.5	30.3
45-64 years.....	---	---	---	---	26.8	24.0	33.6	35.4
65 years and over.....	---	---	---	---	45.4	33.9	32.5	32.7

White female⁵

All ages, age-adjusted ⁴	6.0	5.9	7.9	6.1	5.2	4.3	5.5	5.6
All ages, crude.....	5.5	5.3	7.1	5.9	5.3	4.4	5.7	5.9
15-24 years.....	2.7	2.3	4.2	4.6	4.2	3.1	3.8	4.2
25-44 years.....	6.6	7.0	11.0	8.1	6.6	6.0	7.1	7.3
45-64 years.....	10.6	10.9	13.0	9.6	7.7	6.9	9.6	9.9
65 years and over.....	9.9	8.8	8.5	6.4	6.8	4.3	4.4	4.5

Black or African American female⁵

All ages, age-adjusted ⁴	1.8	2.0	2.9	2.4	2.4	1.8	1.8	1.8
All ages, crude.....	1.5	1.6	2.6	2.2	2.3	1.7	1.8	1.8

15-24 years.....	1.8	*	3.8	2.3	2.3	2.2	2.1	2.0
25-44 years.....	2.3	3.0	4.8	4.3	3.8	2.6	2.7	2.8
45-64 years.....	2.7	3.1	2.9	2.5	2.9	2.1	2.5	2.1
65 years and over.....	*	*	2.6	*	1.9	1.3	1.0	*

American Indian or
Alaska Native female⁵

All ages, age-adjusted ⁴	---	---	---	4.7	3.6	3.8	5.4	6.1
All ages, crude.....	---	---	---	4.7	3.7	4.0	5.6	5.9
15-24 years.....	---	---	---	*	*	*	11.1	10.4
25-44 years.....	---	---	---	10.7	*	7.2	7.5	7.4
45-64 years.....	---	---	---	*	*	*	5.9	6.2
65 years and over.....	---	---	---	*	*	*	*	*

Asian or
Pacific Islander female⁵

All ages, age-adjusted ⁴	---	---	---	5.5	4.1	2.8	3.5	3.4
All ages, crude.....	---	---	---	4.7	3.4	2.7	3.5	3.4
15-24 years.....	---	---	---	*	3.9	2.7	4.4	3.5
25-44 years.....	---	---	---	5.4	3.8	3.3	3.9	4.1
45-64 years.....	---	---	---	7.9	5.0	3.2	4.7	4.7
65 years and over.....	---	---	---	*	8.5	5.2	4.8	4.3

Hispanic or Latina female^{5,7}

All ages, age-adjusted ⁴	---	---	---	---	2.3	1.7	2.0	2.1
All ages, crude.....	---	---	---	---	2.2	1.5	1.8	2.0
15-24 years.....	---	---	---	---	3.1	2.0	2.3	3.1
25-44 years.....	---	---	---	---	3.1	2.1	2.5	2.4
45-64 years.....	---	---	---	---	2.5	2.5	2.5	2.8
65 years and over.....	---	---	---	---	*	*	2.3	2.2

White, not Hispanic
or Latina female⁷

All ages, age-adjusted ⁴	---	---	---	---	5.4	4.7	6.1	6.2
All ages, crude.....	---	---	---	---	5.6	4.9	6.5	6.7
15-24 years.....	---	---	---	---	4.3	3.3	4.1	4.4
25-44 years.....	---	---	---	---	7.0	6.7	8.3	8.6
45-64 years.....	---	---	---	---	8.0	7.3	10.5	10.7
65 years and over.....	---	---	---	---	7.0	4.4	4.5	4.7

...Category not applicable.

*Rates based on fewer than 20 deaths are considered unreliable and are not shown.

---Data not available.

¹Includes deaths of persons who were not residents of the 50 states

and the District of Columbia (D.C.).

²Underlying cause of death was coded according to the 6th Revision of the International Classification of Diseases (ICD) in 1950, 7th Revision in 1960, 8th Revision in 1970, and 9th Revision in 1980-1998. See Appendix II, Cause of death; Table III; Table IV.

³Starting with 1999 data, cause of death is coded according to ICD-10. See Appendix II, Cause of death; Comparability ratio; Table IV; Table V.

⁴Age-adjusted rates are calculated using the year 2000 standard population.

Prior to 2001, age-adjusted rates were calculated using standard million proportions based on rounded population numbers. Starting with 2001 data, unrounded population numbers are used to calculate age-adjusted rates. See Appendix II, Age adjustment.

⁵The race groups, white, black, Asian or Pacific Islander, and American Indian or Alaska Native, include persons of Hispanic and non-Hispanic origin. Persons of Hispanic origin may be of any race. Death rates for the American Indian or Alaska Native, Asian or Pacific Islander, and Hispanic populations are known to be underestimated. See Appendix II, Race, for a discussion of sources of bias in death rates by race and Hispanic origin.

⁶In 1950, rate is for the age group 75 years and over.

⁷Prior to 1997, data from states that did not report Hispanic origin on the death certificate were excluded. See Appendix II, Hispanic origin.

NOTES: Starting with *Health, United States, 2003*, rates for 1991-1999 were revised using intercensal population estimates based on the 1990 and 2000 censuses. For 2000, population estimates are bridged-race April 1 census counts. Starting with *Health, United States, 2012*, rates for 2001-2009 were revised using intercensal population estimates based on the 2000 and 2010 censuses. For 2010, population estimates are bridged-race April 1 census counts. See Appendix I, Population Census and Population Estimates. Figures for 2001 include September 11-related deaths for which death certificates were filed as of October 24, 2002. See Appendix II, Cause of death; Table IV for terrorism-related ICD-10 codes. Age groups were selected to minimize the presentation of unstable age-specific death rates based on small numbers of deaths and for consistency among comparison groups. For additional injury-related statistics, see Web-based Injury Statistics Query and Reporting System, available from: <http://www.cdc.gov/injury/wisqars/index.html>. Starting with 2003 data, some states allowed the reporting of more than one race on the death certificate. The multiple-race data for these states were bridged to the single-race categories of the 1977 Office of Management and Budget standards, for comparability with other states. See Appendix II, Race. Data for additional years are available. See Appendix III.

SOURCE: CDC/NCHS, National Vital Statistics System; Grove RD, Hetzel AM. Vital statistics rates in the United States, 1940-1960. Washington, DC: U.S. Government Printing Office, 1968; numerator data from National Vital Statistics System, annual public-use Mortality Files; denominator data from national population estimates for race groups from Table 1 and unpublished Hispanic population estimates for 1985-1996 prepared by the Housing and Household Economic Statistics Division, U.S. Census Bureau; Murphy SL, Xu JQ, Kochanek KD. Deaths: Final data for 2010. National vital statistics reports; vol 61 no 4. Hyattsville, MD: NCHS; 2012. Available from: http://www.cdc.gov/nchs/data/nvsr/nvsr61/nvsr61_04.pdf. See Appendix I, National Vital Statistics System (NVSS).

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