

**Table 37 (page 1 of 4). Death rates for motor vehicle-related injuries, by sex, race, Hispanic origin, and age: United States, selected years 1950–2007**

[Data are based on death certificates]

<i>Sex, race, Hispanic origin, and age</i>	1950 <sup>1,2</sup>	1960 <sup>1,2</sup>	1970 <sup>2</sup>	1980 <sup>2</sup>	1990 <sup>2</sup>	2000 <sup>3</sup>	2006 <sup>3</sup>	2007 <sup>3</sup>
All persons								
Deaths per 100,000 resident population								
All ages, age-adjusted <sup>4</sup>	24.6	23.1	27.6	22.3	18.5	15.4	15.0	14.4
All ages, crude	23.1	21.3	26.9	23.5	18.8	15.4	15.1	14.6
Under 1 year	8.4	8.1	9.8	7.0	4.9	4.4	3.4	2.9
1–14 years	9.8	8.6	10.5	8.2	6.0	4.3	3.4	3.2
1–4 years	11.5	10.0	11.5	9.2	6.3	4.2	3.6	3.3
5–14 years	8.8	7.9	10.2	7.9	5.9	4.3	3.3	3.2
15–24 years	34.4	38.0	47.2	44.8	34.1	26.9	26.0	24.9
15–19 years	29.6	33.9	43.6	43.0	33.1	26.0	23.2	22.0
20–24 years	38.8	42.9	51.3	46.6	35.0	28.0	28.8	27.8
25–34 years	24.6	24.3	30.9	29.1	23.6	17.3	18.2	17.5
35–44 years	20.3	19.3	24.9	20.9	16.9	15.3	15.3	14.8
45–64 years	25.2	23.0	26.5	18.0	15.7	14.3	14.9	14.2
45–54 years	22.2	21.4	25.5	18.6	15.6	14.2	15.3	14.9
55–64 years	29.0	25.1	27.9	17.4	15.9	14.4	14.3	13.3
65 years and over	43.1	34.7	36.2	22.5	23.1	21.4	19.0	18.6
65–74 years	39.1	31.4	32.8	19.2	18.6	16.5	15.4	15.2
75–84 years	52.7	41.8	43.5	28.1	29.1	25.7	22.3	21.8
85 years and over	45.1	37.9	34.2	27.6	31.2	30.4	23.4	23.2
Male								
All ages, age-adjusted <sup>4</sup>	38.5	35.4	41.5	33.6	26.5	21.7	21.4	20.9
All ages, crude	35.4	31.8	39.7	35.3	26.7	21.3	21.4	20.9
Under 1 year	9.1	8.6	9.3	7.3	5.0	4.6	3.3	2.6
1–14 years	12.3	10.7	13.0	10.0	7.0	4.9	3.7	3.7
1–4 years	13.0	11.5	12.9	10.2	6.9	4.7	3.8	3.7
5–14 years	11.9	10.4	13.1	9.9	7.0	5.0	3.7	3.7
15–24 years	56.7	61.2	73.2	68.4	49.5	37.4	36.6	35.1
15–19 years	46.3	51.7	64.1	62.6	45.5	33.9	30.2	28.5
20–24 years	66.7	73.2	84.4	74.3	53.3	41.2	42.9	41.7
25–34 years	40.8	40.1	49.4	46.3	35.7	25.5	27.4	26.2
35–44 years	32.5	29.9	37.7	31.7	24.7	22.0	21.8	21.7
45–64 years	37.7	33.3	38.9	26.5	21.9	20.2	21.7	21.0
45–54 years	33.6	31.6	37.2	27.6	22.0	20.4	22.6	22.2
55–64 years	43.1	35.6	40.9	25.4	21.7	19.8	20.5	19.4
65 years and over	66.6	52.1	54.4	33.9	32.1	29.5	26.5	27.1
65–74 years	59.1	45.8	47.3	27.3	24.2	21.7	21.1	21.6
75–84 years	85.0	66.0	68.2	44.3	41.2	35.6	30.8	31.9
85 years and over	78.1	62.7	63.1	56.1	64.5	57.5	41.0	39.8
Female								
All ages, age-adjusted <sup>4</sup>	11.5	11.7	14.9	11.8	11.0	9.5	8.8	8.2
All ages, crude	10.9	11.0	14.7	12.3	11.3	9.7	9.0	8.4
Under 1 year	7.6	7.5	10.4	6.7	4.9	4.2	3.5	3.2
1–14 years	7.2	6.3	7.9	6.3	4.9	3.7	3.1	2.8
1–4 years	10.0	8.4	10.0	8.1	5.6	3.8	3.4	3.0
5–14 years	5.7	5.4	7.2	5.7	4.7	3.6	2.9	2.7
15–24 years	12.6	15.1	21.6	20.8	17.9	15.9	14.7	14.1
15–19 years	12.9	16.0	22.7	22.8	20.0	17.5	15.7	15.2
20–24 years	12.2	14.0	20.4	18.9	16.0	14.2	13.7	12.9
25–34 years	9.3	9.2	13.0	12.2	11.5	8.8	8.7	8.4
35–44 years	8.5	9.1	12.9	10.4	9.2	8.8	8.8	7.7
45–64 years	12.6	13.1	15.3	10.3	10.1	8.7	8.3	7.7
45–54 years	10.9	11.6	14.5	10.2	9.6	8.2	8.2	7.8
55–64 years	14.9	15.2	16.2	10.5	10.8	9.5	8.5	7.6
65 years and over	21.9	20.3	23.1	15.0	17.2	15.8	13.5	12.5
65–74 years	20.6	19.0	21.6	13.0	14.1	12.3	10.6	9.7
75–84 years	25.2	23.0	27.2	18.5	21.9	19.2	16.5	14.9
85 years and over	22.1	22.0	18.0	15.2	18.3	19.3	15.2	15.2
White male <sup>5</sup>								
All ages, age-adjusted <sup>4</sup>	37.9	34.8	40.4	33.8	26.3	21.8	21.8	21.3
All ages, crude	35.1	31.5	39.1	35.9	26.7	21.6	22.0	21.5
Under 1 year	9.1	8.8	9.1	7.0	4.8	4.2	3.2	2.7
1–14 years	12.4	10.6	12.5	9.8	6.6	4.8	3.5	3.7
15–24 years	58.3	62.7	75.2	73.8	52.5	39.6	39.2	37.4
25–34 years	39.1	38.6	47.0	46.6	35.4	25.1	27.6	26.5
35–44 years	30.9	28.4	35.2	30.7	23.7	21.8	22.2	21.8
45–64 years	36.2	31.7	36.5	25.2	20.6	19.7	21.6	21.1
65 years and over	67.1	52.1	54.2	32.7	31.4	29.4	26.8	27.2

See footnotes at end of table.

**Table 37 (page 2 of 4). Death rates for motor vehicle-related injuries, by sex, race, Hispanic origin, and age: United States, selected years 1950–2007**

[Data are based on death certificates]

Sex, race, Hispanic origin, and age	1950 <sup>1,2</sup>	1960 <sup>1,2</sup>	1970 <sup>2</sup>	1980 <sup>2</sup>	1990 <sup>2</sup>	2000 <sup>3</sup>	2006 <sup>3</sup>	2007 <sup>3</sup>
Deaths per 100,000 resident population								
Black or African American male <sup>5</sup>								
All ages, age-adjusted <sup>4</sup>	34.8	39.6	51.0	34.2	29.9	24.4	22.6	22.5
All ages, crude	37.2	33.1	44.3	31.1	28.1	22.5	21.5	21.2
Under 1 year	---	*	10.6	7.8	*	6.7	*	*
1–14 years <sup>6</sup>	10.4	11.2	16.3	11.4	8.9	5.5	4.8	4.1
15–24 years	42.5	46.4	58.1	34.9	36.1	30.2	27.2	27.3
25–34 years	54.4	51.0	70.4	44.9	39.5	32.6	33.0	30.6
35–44 years	46.7	43.6	59.5	41.2	33.5	27.2	25.3	27.6
45–64 years	54.6	47.8	61.7	39.5	33.3	27.1	26.2	25.1
65 years and over	52.6	48.2	53.4	42.4	36.3	32.1	26.4	27.8
American Indian or Alaska Native male <sup>5</sup>								
All ages, age-adjusted <sup>4</sup>	---	---	---	78.9	48.3	35.8	36.8	32.0
All ages, crude	---	---	---	74.6	47.6	33.6	37.1	32.4
1–14 years	---	---	---	15.1	11.6	7.8	5.8	6.0
15–24 years	---	---	---	126.1	75.2	56.8	56.2	48.2
25–34 years	---	---	---	107.0	78.2	49.8	49.7	48.2
35–44 years	---	---	---	82.8	57.0	36.3	38.9	37.2
45–64 years	---	---	---	77.4	45.9	32.0	45.1	30.8
65 years and over	---	---	---	97.0	43.0	48.5	35.5	36.5
Asian or Pacific Islander male <sup>5</sup>								
All ages, age-adjusted <sup>4</sup>	---	---	---	19.0	17.9	10.6	9.5	9.4
All ages, crude	---	---	---	17.1	15.8	9.8	8.8	8.6
1–14 years	---	---	---	8.2	6.3	2.5	2.7	1.9
15–24 years	---	---	---	27.2	25.7	17.0	16.8	18.4
25–34 years	---	---	---	18.8	17.0	10.4	8.5	7.3
35–44 years	---	---	---	13.1	12.2	6.9	5.8	5.9
45–64 years	---	---	---	13.7	15.1	10.1	8.6	7.7
65 years and over	---	---	---	37.3	33.6	21.1	19.3	20.7
Hispanic or Latino male <sup>5,7</sup>								
All ages, age-adjusted <sup>4</sup>	---	---	---	---	29.5	21.3	21.2	19.3
All ages, crude	---	---	---	---	29.2	20.1	20.7	18.7
1–14 years	---	---	---	---	7.2	4.4	4.4	4.1
15–24 years	---	---	---	---	48.2	34.7	41.1	36.3
25–34 years	---	---	---	---	41.0	24.9	25.6	24.3
35–44 years	---	---	---	---	28.0	21.6	20.6	17.8
45–64 years	---	---	---	---	28.9	21.7	21.4	18.6
65 years and over	---	---	---	---	35.3	28.9	23.7	24.4
White, not Hispanic or Latino male <sup>7</sup>								
All ages, age-adjusted <sup>4</sup>	---	---	---	---	25.7	21.7	21.6	21.4
All ages, crude	---	---	---	---	26.0	21.5	22.0	21.8
1–14 years	---	---	---	---	6.4	4.9	3.2	3.5
15–24 years	---	---	---	---	52.3	40.3	38.1	37.2
25–34 years	---	---	---	---	34.0	24.7	27.8	26.8
35–44 years	---	---	---	---	23.1	21.6	22.2	22.5
45–64 years	---	---	---	---	19.8	19.3	21.4	21.2
65 years and over	---	---	---	---	31.1	29.3	26.9	27.3
White female <sup>5</sup>								
All ages, age-adjusted <sup>4</sup>	11.4	11.7	14.9	12.2	11.2	9.8	9.1	8.5
All ages, crude	10.9	11.2	14.8	12.8	11.6	10.0	9.4	8.8
Under 1 year	7.8	7.5	10.2	7.1	4.7	3.5	3.0	2.8
1–14 years	7.2	6.2	7.5	6.2	4.8	3.7	3.0	2.7
15–24 years	12.6	15.6	22.7	23.0	19.5	17.1	15.9	15.1
25–34 years	9.0	9.0	12.7	12.2	11.6	8.9	8.9	8.8
35–44 years	8.1	8.9	12.3	10.6	9.2	8.9	9.1	8.0
45–64 years	12.7	13.1	15.1	10.4	9.9	8.7	8.3	7.8
65 years and over	22.2	20.8	23.7	15.3	17.4	16.2	13.9	12.9

See footnotes at end of table.

**Table 37 (page 3 of 4). Death rates for motor vehicle-related injuries, by sex, race, Hispanic origin, and age: United States, selected years 1950–2007**

[Data are based on death certificates]

Sex, race, Hispanic origin, and age	1950 <sup>1,2</sup>	1960 <sup>1,2</sup>	1970 <sup>2</sup>	1980 <sup>2</sup>	1990 <sup>2</sup>	2000 <sup>3</sup>	2006 <sup>3</sup>	2007 <sup>3</sup>
Deaths per 100,000 resident population								
<b>Black or African American female<sup>5</sup></b>								
All ages, age-adjusted <sup>4</sup> . . . . .	9.3	10.4	14.1	8.5	9.6	8.4	7.8	7.0
All ages, crude . . . . .	10.2	9.7	13.4	8.3	9.4	8.2	7.7	7.0
Under 1 year . . . . .	---	8.1	11.9	*	7.0	*	*	*
1–14 years <sup>6</sup> . . . . .	7.2	6.9	10.2	6.3	5.3	3.9	3.4	3.3
15–24 years . . . . .	11.6	9.9	13.4	8.0	9.9	11.7	10.0	9.8
25–34 years . . . . .	10.8	9.8	13.3	10.6	11.1	9.4	8.7	7.5
35–44 years . . . . .	11.1	11.0	16.1	8.3	9.4	8.2	8.1	7.1
45–64 years . . . . .	11.8	12.7	16.7	9.2	10.7	9.0	8.9	7.6
65 years and over . . . . .	14.3	13.2	15.7	9.5	13.5	10.4	9.4	8.7
<b>American Indian or Alaska Native female<sup>5</sup></b>								
All ages, age-adjusted <sup>4</sup> . . . . .	---	---	---	32.0	17.5	19.5	16.9	15.6
All ages, crude . . . . .	---	---	---	32.0	17.3	18.6	17.1	15.9
1–14 years . . . . .	---	---	---	15.0	8.1	6.5	*	*
15–24 years . . . . .	---	---	---	42.3	31.4	30.3	27.7	24.7
25–34 years . . . . .	---	---	---	52.5	18.8	22.3	21.8	22.5
35–44 years . . . . .	---	---	---	38.1	18.2	22.0	20.6	22.5
45–64 years . . . . .	---	---	---	32.6	17.6	17.8	14.5	11.8
65 years and over . . . . .	---	---	---	*	*	24.0	16.2	*
<b>Asian or Pacific Islander female<sup>5</sup></b>								
All ages, age-adjusted <sup>4</sup> . . . . .	---	---	---	9.3	10.4	6.7	5.6	5.2
All ages, crude . . . . .	---	---	---	8.2	9.0	5.9	5.3	4.9
1–14 years . . . . .	---	---	---	7.4	3.6	2.3	1.8	*
15–24 years . . . . .	---	---	---	7.4	11.4	6.0	7.3	8.0
25–34 years . . . . .	---	---	---	7.3	7.3	4.5	3.4	3.2
35–44 years . . . . .	---	---	---	8.6	7.5	4.9	4.1	2.7
45–64 years . . . . .	---	---	---	8.5	11.8	6.4	6.2	5.6
65 years and over . . . . .	---	---	---	18.6	24.3	18.5	13.3	13.2
<b>Hispanic or Latina female<sup>5,7</sup></b>								
All ages, age-adjusted <sup>4</sup> . . . . .	---	---	---	---	9.6	7.9	7.7	6.9
All ages, crude . . . . .	---	---	---	---	8.9	7.2	7.2	6.5
1–14 years . . . . .	---	---	---	---	4.8	3.9	3.2	2.8
15–24 years . . . . .	---	---	---	---	11.6	10.6	11.6	10.9
25–34 years . . . . .	---	---	---	---	9.4	6.5	6.8	6.8
35–44 years . . . . .	---	---	---	---	8.0	7.3	7.2	6.8
45–64 years . . . . .	---	---	---	---	11.4	8.3	8.0	6.8
65 years and over . . . . .	---	---	---	---	14.9	13.4	11.7	10.2

See footnotes at end of table.

**Table 37 (page 4 of 4). Death rates for motor vehicle-related injuries, by sex, race, Hispanic origin, and age: United States, selected years 1950–2007**

[Data are based on death certificates]

Sex, race, Hispanic origin, and age	1950 <sup>1,2</sup>	1960 <sup>1,2</sup>	1970 <sup>2</sup>	1980 <sup>2</sup>	1990 <sup>2</sup>	2000 <sup>3</sup>	2006 <sup>3</sup>	2007 <sup>3</sup>
White, not Hispanic or Latina female <sup>7</sup>								
	Deaths per 100,000 resident population							
All ages, age-adjusted <sup>4</sup> . . . . .	---	---	---	---	11.3	10.0	9.3	8.7
All ages, crude . . . . .	---	---	---	---	11.7	10.3	9.7	9.1
1–14 years . . . . .	---	---	---	---	4.7	3.5	2.9	2.6
15–24 years . . . . .	---	---	---	---	20.4	18.4	16.7	16.0
25–34 years . . . . .	---	---	---	---	11.7	9.3	9.4	9.3
35–44 years . . . . .	---	---	---	---	9.3	9.0	9.3	8.2
45–64 years . . . . .	---	---	---	---	9.7	8.7	8.3	7.9
65 years and over . . . . .	---	---	---	---	17.5	16.3	14.0	13.0

--- Data not available.

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

<sup>1</sup>Includes deaths of persons who were not residents of the 50 states and the District of Columbia (D.C.).

<sup>2</sup>Underlying 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; Tables IV and V.

<sup>3</sup>Starting with 1999 data, cause of death is coded according to ICD–10. See Appendix II, Cause of death, Table V; Comparability ratio, Table VI.

<sup>4</sup>Age-adjusted rates are calculated using the year 2000 standard population. Prior to 2003, age-adjusted rates were calculated using standard million proportions based on rounded population numbers. Starting with 2003 data, unrounded population numbers are used to calculate age-adjusted rates. See Appendix II, Age adjustment.

<sup>5</sup>The 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 and Asian or Pacific Islander 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.

<sup>6</sup>In 1950, rate is for the age group under 15 years.

<sup>7</sup>Prior to 1997, excludes data from states lacking an Hispanic-origin item on the death certificate. 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 2000 census. Rates for 2000 were revised based on 2000 census counts. Rates for 2001 and later years were computed using 2000-based postcensal estimates. See Appendix I, Population Census and Population Estimates. 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 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; additional mortality tables are available from: [http://www.cdc.gov/nchs/nvss/mortality\\_tables.htm](http://www.cdc.gov/nchs/nvss/mortality_tables.htm); Xu JQ, Kochanek KD, Murphy SL, Tejada-Vera B. Deaths: Final data for 2007. National vital statistics reports; vol 58 no 19. Hyattsville, MD: NCHS; 2010. Available from: [http://www.cdc.gov/nchs/data/nvsr/nvsr58/nvsr58\\_19.pdf](http://www.cdc.gov/nchs/data/nvsr/nvsr58/nvsr58_19.pdf).