

Table 36. Death rates for drug poisoning and drug poisoning involving opioid analgesics, by sex, age, race, and Hispanic origin: United States, 1999-2010

(Data are based on death certificates)

Sex, age, race, and Hispanic origin	1999	2000	2001	2002	2003	2004	2005	2010
All persons								
Drug poisoning deaths per 100,000 resident population ¹								
All ages, age-adjusted ²	6.1	6.2	6.8	8.2	8.9	9.4	10.1	12.3
All ages, crude.....	6.0	6.2	6.8	8.2	8.9	9.4	10.1	12.4
Under 15 years.....	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2
15-24 years.....	3.2	3.7	4.2	5.1	6.0	6.6	6.9	8.2
25-34 years.....	8.1	7.9	8.6	10.5	11.4	11.9	13.6	18.4
35-44 years.....	14.0	14.3	15.5	18.1	18.9	19.3	19.6	20.8
45-54 years.....	11.1	11.6	13.0	16.2	17.9	19.3	21.1	25.1
55-64 years.....	4.2	4.2	4.7	6.0	6.9	7.8	9.0	15.0
65-74 years.....	2.4	2.0	2.4	2.8	2.9	2.9	3.2	4.7
75-84 years.....	2.8	2.4	2.5	2.8	2.7	2.9	3.1	3.4
85 years and over.....	3.8	4.4	3.7	4.4	4.1	4.0	4.1	4.7
Male								
All ages, age-adjusted ²	8.2	8.3	9.0	10.6	11.5	11.8	12.8	15.0
All ages, crude.....	8.2	8.4	9.0	10.6	11.5	11.9	12.9	15.2
Under 15 years.....	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.3
15-24 years.....	4.5	5.3	6.1	7.3	8.8	9.6	10.0	11.6
25-34 years.....	11.5	11.3	12.0	14.7	15.7	16.6	18.7	25.0
35-44 years.....	19.2	19.5	20.6	23.4	24.3	23.8	24.4	24.9
45-54 years.....	15.2	15.7	17.0	20.3	22.6	23.8	25.8	28.5
55-64 years.....	4.9	4.4	5.3	6.8	7.8	8.6	10.6	17.3
65-74 years.....	2.7	2.1	2.7	2.8	2.9	2.9	3.3	4.5
75-84 years.....	2.5	2.5	2.6	3.1	2.9	2.8	3.4	3.6
85 years and over.....	4.4	5.9	3.6	5.7	4.8	4.8	5.2	5.1
Female								
All ages, age-adjusted ²	3.9	4.1	4.6	5.8	6.4	6.9	7.3	9.6
All ages, crude.....	3.9	4.1	4.6	5.8	6.4	6.9	7.4	9.8
Under 15 years.....	0.1	0.1	0.1	0.2	0.1	0.2	0.2	0.2
15-24 years.....	1.8	1.9	2.2	2.8	3.1	3.3	3.5	4.6
25-34 years.....	4.6	4.6	5.2	6.2	7.1	7.2	8.5	11.9
35-44 years.....	8.7	9.2	10.4	12.8	13.7	14.8	14.8	16.8
45-54 years.....	7.2	7.7	9.1	12.2	13.5	15.0	16.5	21.8
55-64 years.....	3.5	3.9	4.2	5.2	6.1	7.0	7.5	12.9
65-74 years.....	2.1	2.0	2.2	2.8	2.9	3.0	3.1	4.8
75-84 years.....	3.0	2.3	2.4	2.6	2.6	2.9	2.9	3.3
85 years and over.....	3.5	3.9	3.7	3.9	3.8	3.7	3.7	4.5
All ages, age-adjusted ^{2,3}								
Male:								
White.....	8.1	8.4	9.2	11.1	12.2	12.6	13.6	16.8
Black or African American.....	11.5	10.8	11.0	11.5	11.3	11.1	12.8	10.1
American Indian or Alaska Native.....	5.7	6.1	5.9	8.2	9.4	11.2	10.8	11.8
Asian or Pacific Islander.....	1.5	1.4	1.6	1.9	1.7	2.1	2.2	2.5
Hispanic or Latino.....	8.6	7.1	6.7	8.0	8.3	7.5	8.4	7.6

White, not Hispanic or Latino.....	8.0	8.6	9.6	11.6	12.9	13.7	14.7	19.0
Female:								
White.....	4.0	4.3	4.9	6.2	6.9	7.5	8.0	10.9
Black or African American.....	3.9	4.1	4.4	5.0	5.2	5.5	6.0	5.7
American Indian or Alaska Native.....	4.6	3.7	5.2	5.6	7.3	7.9	8.6	9.7
Asian or Pacific Islander.....	1.0	0.8	0.8	1.1	1.2	1.1	1.3	1.5
Hispanic or Latina.....	2.2	2.0	2.2	2.7	2.9	2.9	3.0	3.6
White, not Hispanic or Latina.....	4.3	4.5	5.3	6.8	7.5	8.3	8.8	12.5

Sex, age, race,
and Hispanic origin

Drug poisoning deaths involving opioid analgesics per 100,000 resident population⁴

All persons

All ages, age-adjusted ²	1.4	1.5	1.9	2.6	2.9	3.4	3.7	5.4
All ages, crude.....	1.4	1.6	1.9	2.6	2.9	3.4	3.7	5.4
Under 15 years.....	*	0.0	0.0	0.1	0.1	0.1	0.1	0.1
15-24 years.....	0.7	0.8	1.3	1.7	2.2	2.7	2.7	3.9
25-34 years.....	1.9	1.9	2.3	3.3	3.7	4.4	5.3	8.5
35-44 years.....	3.5	3.7	4.4	5.7	6.2	6.8	6.9	9.1
45-54 years.....	2.9	3.2	4.0	5.5	6.2	7.1	7.9	10.9
55-64 years.....	1.0	1.1	1.4	1.8	2.2	2.6	3.1	6.2
65-74 years.....	0.4	0.4	0.4	0.7	0.7	0.8	1.0	1.5
75-84 years.....	0.3	0.2	0.3	0.4	0.4	0.5	0.6	0.7
85 years and over.....	*	*	*	0.6	0.7	0.5	0.9	1.1

Male

All ages, age-adjusted ²	2.0	2.0	2.5	3.3	3.7	4.2	4.6	6.5
All ages, crude.....	2.0	2.1	2.5	3.3	3.8	4.2	4.6	6.6
Under 15 years.....	*	*	0.1	0.1	0.1	0.1	0.1	0.2
15-24 years.....	1.0	1.2	2.0	2.6	3.3	4.2	4.2	5.6
25-34 years.....	2.7	2.7	3.1	4.6	5.1	6.1	7.2	11.7
35-44 years.....	5.0	4.9	5.7	7.1	7.8	8.2	8.3	10.9
45-54 years.....	3.9	4.3	5.0	6.8	7.5	8.3	9.4	12.0
55-64 years.....	1.1	1.0	1.5	1.9	2.3	2.8	3.5	7.0
65-74 years.....	0.5	0.3	0.4	0.5	0.7	0.7	0.7	1.2
75-84 years.....	*	*	0.4	0.4	*	0.4	0.6	0.7
85 years and over.....	*	*	*	*	*	*	*	1.3

Female

All ages, age-adjusted ²	0.9	1.1	1.4	1.9	2.2	2.5	2.8	4.2
All ages, crude.....	0.9	1.1	1.4	1.9	2.1	2.5	2.8	4.2
Under 15 years.....	*	*	*	*	*	0.1	*	0.1
15-24 years.....	0.3	0.4	0.6	0.8	1.0	1.1	1.2	2.1
25-34 years.....	1.1	1.2	1.5	2.0	2.4	2.8	3.4	5.3
35-44 years.....	2.1	2.5	3.2	4.4	4.7	5.4	5.6	7.3
45-54 years.....	1.9	2.2	3.0	4.2	4.9	5.9	6.5	9.8
55-64 years.....	0.8	1.1	1.3	1.6	2.0	2.4	2.8	5.5
65-74 years.....	0.3	0.4	0.4	0.7	0.7	0.9	1.2	1.7
75-84 years.....	0.4	*	0.3	0.4	0.5	0.6	0.6	0.7
85 years and over.....	*	*	*	*	0.7	*	0.8	1.1

All ages, age-adjusted^{2,3}

Male:

White.....	2.2	2.3	2.8	3.7	4.3	4.8	5.3	7.7
Black or African American.....	1.2	1.2	1.4	1.6	1.5	1.8	2.1	2.2
American Indian or Alaska Native.....	*	1.9	1.6	2.7	3.1	4.5	4.4	5.3
Asian or Pacific Islander.....	*	*	*	0.6	*	0.4	0.5	0.8
Hispanic or Latino.....	2.9	1.7	1.8	2.1	2.3	2.1	2.2	2.4
White, not Hispanic or Latino.....	2.1	2.3	3.0	4.0	4.7	5.3	5.9	9.0

Female:

White.....	1.0	1.2	1.5	2.1	2.5	2.9	3.2	4.8
Black or African American.....	0.6	0.6	0.8	1.0	1.0	1.2	1.4	2.0
American Indian or Alaska Native.....	*	*	1.8	2.1	2.9	2.7	3.8	4.9
Asian or Pacific Islander.....	*	*	*	*	*	*	0.4	0.5
Hispanic or Latina.....	0.5	0.5	0.5	1.0	0.9	1.0	1.0	1.3
White, not Hispanic or Latina.....	1.1	1.3	1.7	2.3	2.7	3.2	3.5	5.6

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

0.0 Rate more than zero but less than 0.05.

¹Drug poisoning was coded using underlying cause of death according to the 10th Revision of the International Classification of Diseases (ICD-10). See Appendix II, Cause of death; Table IV.

Drug poisoning deaths include those resulting from accidental or intentional overdoses of a drug, being given the wrong drug, taking the wrong drug in error, taking a drug inadvertently, or other misuses of drugs. These deaths are from all manners and intents, including unintentional, suicide, homicide, undetermined intent, legal intervention, and operations of war.

²Age-adjusted rates are calculated using the year 2000 standard population with unrounded population numbers.

See Appendix II, Age adjustment.

³The 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.

⁴Opioid analgesics include pharmaceutical opioids such as hydrocodone, codeine, and methadone, and synthetic narcotics such as fentanyl and propoxyphene.

Drug poisoning deaths involving opioid analgesics include those with

an underlying cause of drug poisoning and with opioid analgesics mentioned in the (ICD-10) multiple causes of death.

See Appendix I, National Vital Statistics System (NVSS), Multiple Cause-of-death File,

for information about tabulating cause-of-death data in this table.

These deaths include all manners and intents. See Appendix II, Cause of death; Table IV.

NOTES: Rates for 1999 were computed using intercensal population estimates based on the 1990 and 2000 censuses.

Rates for 2000 were computed based on 2000 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. Rates for 2010 were based on 2010 bridged-race April 1 census counts.

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 the 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;

numerator data from National Vital Statistics System, annual public-use Mortality Files;

denominator data from national population estimates for race groups from Table 1;
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).

Health, United States 2011 web updates