

**Table ODMort. Drug overdose death rates, by drug type, sex, age, race, and Hispanic origin: United States, selected years 1999–2019**

Excel version (with more data years and standard errors when available): <https://www.cdc.gov/nchs/hus/contents2020-2021.htm#Table-ODMort>

[Data are based on death certificates]

Sex, age, race, and Hispanic origin	All drug overdose deaths <sup>1</sup>										
	1999	2000	2005	2009	2015	2016	2017	2018	2018 (single race)	2019	2019 (single race)
All people											
Deaths per 100,000 resident population											
All ages, age adjusted <sup>2</sup> .....	6.1	6.2	10.1	11.9	16.3	19.8	21.7	---	20.7	---	21.6
All ages, crude.....	6.0	6.2	10.1	12.1	16.3	19.7	21.6	---	20.6	---	21.5
Under 15 years.....	0.1	0.1	0.2	0.2	0.2	0.2	0.2	---	0.2	---	0.3
15–24 years.....	3.2	3.7	6.9	7.7	9.7	12.4	12.6	---	10.8	---	11.2
25–34 years.....	8.1	7.9	13.6	17.2	26.9	34.6	38.4	---	35.5	---	35.6
35–44 years.....	14.0	14.3	19.6	20.5	28.3	35.0	39.0	---	38.3	---	40.5
45–54 years.....	11.1	11.6	21.1	25.4	30.0	34.5	37.7	---	35.3	---	36.9
55–64 years.....	4.2	4.2	9.0	13.7	21.8	25.6	28.0	---	28.3	---	30.4
65–74 years.....	2.4	2.0	3.2	4.7	7.2	8.2	9.2	---	10.2	---	11.3
75–84 years.....	2.8	2.4	3.1	3.8	3.6	3.4	3.6	---	3.9	---	4.2
85 years and over.....	3.8	4.4	4.1	4.4	4.4	4.0	4.0	---	3.8	---	3.6
Male											
All ages, age adjusted <sup>2</sup> .....	8.2	8.3	12.8	14.8	20.8	26.2	29.1	---	27.9	---	29.6
All ages, crude.....	8.2	8.4	12.9	15.0	20.8	26.1	29.0	---	27.9	---	29.6
Under 15 years.....	0.1	0.2	0.2	0.2	0.2	0.2	0.2	---	0.2	---	0.2
15–24 years.....	4.5	5.3	10.0	11.3	13.3	17.5	17.1	---	14.3	---	15.2
25–34 years.....	11.5	11.3	18.7	24.0	37.9	48.9	54.3	---	49.6	---	49.7
35–44 years.....	19.2	19.5	24.4	25.2	36.3	46.9	53.0	---	52.4	---	56.6
45–54 years.....	15.2	15.7	25.8	29.1	35.3	42.5	48.3	---	46.1	---	49.0
55–64 years.....	4.9	4.4	10.6	16.0	26.2	32.2	36.2	---	37.2	---	41.4
65–74 years.....	2.7	2.1	3.3	4.8	8.5	10.0	11.8	---	13.9	---	15.7
75–84 years.....	2.5	2.5	3.4	3.5	3.9	3.7	3.7	---	4.5	---	4.8
85 years and over.....	4.4	5.9	5.2	5.2	5.0	4.6	4.5	---	4.0	---	3.8
Female											
All ages, age adjusted <sup>2</sup> .....	3.9	4.1	7.3	9.1	11.8	13.4	14.4	---	13.6	---	13.7
All ages, crude.....	3.9	4.1	7.4	9.2	11.9	13.5	14.3	---	13.5	---	13.7
Under 15 years.....	0.1	0.1	0.2	0.2	0.3	0.2	0.3	---	0.2	---	0.3
15–24 years.....	1.8	1.9	3.5	4.1	5.9	7.0	7.9	---	7.1	---	7.0
25–34 years.....	4.6	4.6	8.5	10.4	15.7	19.9	22.0	---	20.8	---	21.1
35–44 years.....	8.7	9.2	14.8	16.0	20.5	23.3	25.1	---	24.2	---	24.4
45–54 years.....	7.2	7.7	16.5	21.8	24.9	26.7	27.5	---	24.8	---	25.1
55–64 years.....	3.5	3.9	7.5	11.6	17.6	19.5	20.3	---	19.9	---	20.1
65–74 years.....	2.1	2.0	3.1	4.6	6.1	6.5	7.0	---	7.1	---	7.4
75–84 years.....	3.0	2.3	2.9	3.9	3.3	3.2	3.5	---	3.5	---	3.8
85 years and over.....	3.5	3.9	3.7	3.9	4.1	3.6	3.8	---	3.7	---	3.5
All ages, age adjusted <sup>2</sup>											
Male:											
White <sup>3</sup> .....	8.1	8.4	13.6	16.4	23.2	28.8	31.6	29.9	30.1	31.1	31.4
Black or African American <sup>3</sup> .....	11.5	10.8	12.8	10.8	16.8	24.0	29.7	30.9	31.5	36.2	36.8
American Indian or Alaska Native <sup>3,4</sup> .....	5.7	6.1	10.8	14.2	16.0	17.7	19.7	21.3	20.3	23.3	22.7
Asian or Pacific Islander <sup>3,4</sup> .....	1.5	1.4	2.2	2.8	4.1	4.7	5.2	5.7	...	6.4	...
Hispanic or Latino <sup>3,4</sup> .....	8.6	7.1	8.4	8.2	10.9	13.9	15.9	...	16.6	...	19.5
White, not Hispanic or Latino <sup>3</sup> .....	8.0	8.6	14.7	18.3	26.2	32.7	35.8	33.5	33.8	34.2	34.5
Black or African American, not Hispanic or Latino <sup>3</sup> .....	11.5	10.9	13.0	11.1	17.3	24.7	30.8	32.0	32.4	37.2	37.7
American Indian or Alaska Native, not Hispanic or Latino <sup>3,4</sup> .....	6.7	6.7	14.9	21.5	25.8	28.3	31.5	34.0	33.1	36.9	36.6
Asian or Pacific Islander, not Hispanic or Latino <sup>3,4</sup> .....	1.4	1.3	2.2	2.6	4.0	4.6	5.3	5.4	...	6.1	...
Asian, not Hispanic or Latino <sup>3,4</sup> .....	...	...	...	...	...	...	...	...	4.4	...	5.2
Native Hawaiian or Other Pacific Islander, not Hispanic or Latino <sup>3,4</sup> .....	...	...	...	...	...	...	...	...	17.7	...	13.4

See footnotes at end of table.

**Table ODMort. Drug overdose death rates, by drug type, sex, age, race, and Hispanic origin: United States, selected years 1999–2019—Con.**

Excel version (with more data years and standard errors when available): <https://www.cdc.gov/nchs/hus/contents2020-2021.htm#Table-ODMort>

[Data are based on death certificates]

Sex, age, race, and Hispanic origin	All drug overdose deaths <sup>1</sup>										
	1999	2000	2005	2009	2015	2016	2017	2018	2018 (single race)	2019	2019 (single race)
All ages, age adjusted <sup>2</sup> —Con.											
Deaths per 100,000 resident population											
Female:											
White <sup>3</sup> .....	4.0	4.3	8.0	10.3	13.6	15.2	16.3	15.2	15.3	15.1	15.2
Black or African American <sup>3</sup> .....	3.9	4.1	6.0	5.6	7.5	10.0	11.2	11.1	11.2	12.9	12.9
American Indian or Alaska Native <sup>3,4</sup> .....	4.6	3.7	8.6	9.6	11.3	13.1	12.7	12.8	13.1	14.9	15.8
Asian or Pacific Islander <sup>3,4</sup> .....	1.0	0.8	1.3	1.3	1.5	1.8	2.0	2.1	...	2.0	...
Hispanic or Latina <sup>3,4</sup> .....	2.2	2.0	3.0	3.5	4.4	5.0	5.1	...	5.2	...	5.7
White, not Hispanic or Latina <sup>3</sup> .....	4.3	4.5	8.8	11.6	15.8	17.7	19.1	17.8	18.0	17.5	17.6
Black or African American, not Hispanic or Latina <sup>3</sup> .....	4.0	4.2	6.2	5.8	7.7	10.4	11.7	11.6	11.6	13.4	13.4
American Indian or Alaska Native, not Hispanic or Latina <sup>3,4</sup> .....	5.2	4.3	11.3	14.0	16.8	20.2	20.1	20.2	20.7	23.2	24.5
Asian or Pacific Islander, not Hispanic or Latina <sup>3,4</sup> .....	1.0	0.8	1.3	1.3	1.5	1.7	1.9	2.1	...	1.9	...
Asian, not Hispanic or Latina <sup>3,4</sup> .....	...	...	...	...	...	...	...	...	1.8	...	1.6
Native Hawaiian or Other Pacific Islander, not Hispanic or Latina <sup>3,4</sup> .....	...	...	...	...	...	...	...	...	*	...	*
Drug overdose deaths involving any opioid <sup>1,5</sup>											
Sex, age, race, and Hispanic origin	1999	2000	2005	2009	2015	2016	2017	2018	2018 (single race)	2019	2019 (single race)
All people											
Deaths per 100,000 resident population											
All ages, age adjusted <sup>2</sup> .....	2.9	3.0	5.1	6.6	10.4	13.3	14.9	---	14.6	---	15.5
All ages, crude.....	2.9	3.0	5.0	6.7	10.3	13.1	14.6	---	14.3	---	15.2
Under 15 years.....	*	0.1	0.1	0.1	0.1	0.1	0.1	---	0.1	---	0.1
15–24 years.....	1.6	1.9	4.0	5.1	7.0	9.3	9.5	---	8.4	---	8.7
25–34 years.....	4.1	4.1	7.4	10.7	19.4	25.9	29.1	---	28.1	---	29.0
35–44 years.....	7.2	7.3	9.6	11.3	18.4	24.1	27.3	---	27.7	---	29.8
45–54 years.....	5.4	5.8	10.7	13.4	17.6	21.2	24.1	---	23.0	---	24.5
55–64 years.....	1.5	1.6	3.9	7.0	12.4	15.2	17.0	---	17.2	---	18.8
65–74 years.....	0.5	0.5	1.2	1.9	3.5	4.2	4.9	---	5.7	---	6.3
75–84 years.....	0.4	0.3	0.7	0.9	1.2	1.2	1.4	---	1.4	---	1.7
85 years and over.....	*	*	1.0	0.8	0.9	0.9	1.2	---	0.9	---	1.1
Male											
All ages, age adjusted <sup>2</sup> .....	4.3	4.4	6.6	8.7	13.7	18.1	20.4	---	20.1	---	21.7
All ages, crude.....	4.4	4.4	6.7	8.7	13.7	17.9	20.2	---	19.9	---	21.4
Under 15 years.....	*	0.1	0.1	0.1	0.1	0.1	0.1	---	0.1	---	0.1
15–24 years.....	2.4	2.9	6.0	7.7	9.8	13.4	13.0	---	11.5	---	12.2
25–34 years.....	6.3	6.2	10.5	15.6	28.2	37.3	41.7	---	39.8	---	40.9
35–44 years.....	10.9	10.7	12.3	14.8	24.5	33.3	38.1	---	38.9	---	42.8
45–54 years.....	8.2	8.6	13.6	15.8	21.2	26.8	31.5	---	30.8	---	33.6
55–64 years.....	2.0	1.9	4.7	8.3	15.3	19.3	22.1	---	22.9	---	25.6
65–74 years.....	0.7	0.5	1.0	1.9	4.4	5.3	6.3	---	8.0	---	8.9
75–84 years.....	0.5	*	0.6	0.8	1.2	1.4	1.4	---	1.7	---	1.8
85 years and over.....	*	*	*	1.3	0.9	1.0	1.2	---	1.0	---	1.3

See footnotes at end of table.

**Table ODMort. Drug overdose death rates, by drug type, sex, age, race, and Hispanic origin: United States, selected years 1999–2019—Con.**

Excel version (with more data years and standard errors when available): <https://www.cdc.gov/nchs/hus/contents2020-2021.htm#Table-ODMort>

[Data are based on death certificates]

Sex, age, race, and Hispanic origin	Drug overdose deaths involving any opioid <sup>1,5</sup>										
	1999	2000	2005	2009	2015	2016	2017	2018	2018 (single race)	2019	2019 (single race)
Deaths per 100,000 resident population											
Female											
All ages, age adjusted <sup>2</sup> .....	1.4	1.6	3.4	4.6	7.1	8.5	9.4	---	9.0	---	9.3
All ages, crude.....	1.4	1.6	3.4	4.7	7.0	8.4	9.2	---	8.9	---	9.1
Under 15 years.....	*	*	*	0.1	0.1	0.1	0.1	---	0.1	---	0.2
15–24 years.....	0.7	0.7	1.8	2.5	4.1	4.9	5.7	---	5.2	---	5.1
25–34 years.....	2.0	2.0	4.3	5.8	10.5	14.1	16.1	---	16.0	---	16.7
35–44 years.....	3.5	3.8	6.9	8.0	12.5	15.0	16.5	---	16.5	---	16.9
45–54 years.....	2.7	3.1	7.8	11.1	14.0	15.8	16.9	---	15.4	---	15.7
55–64 years.....	1.1	1.4	3.2	5.8	9.8	11.5	12.3	---	11.9	---	12.5
65–74 years.....	0.4	0.5	1.4	1.9	2.8	3.3	3.6	---	3.6	---	3.9
75–84 years.....	0.4	*	0.7	1.0	1.1	1.1	1.4	---	1.2	---	1.5
85 years and over.....	*	*	0.9	0.6	0.9	0.8	1.1	---	0.9	---	1.0
All ages, age adjusted <sup>2</sup>											
Male:											
White <sup>3</sup> .....	4.4	4.5	7.4	9.9	15.8	20.4	22.7	22.0	22.3	23.2	23.4
Black or African American <sup>3</sup> .....	5.7	5.6	4.8	4.7	9.1	14.7	18.7	20.6	20.9	25.4	25.8
American Indian or Alaska Native <sup>3,4</sup> .....	3.2	3.4	5.7	10.0	9.3	10.2	11.9	11.7	10.6	13.6	12.9
Asian or Pacific Islander <sup>3,4</sup> .....	*	0.5	0.9	0.9	1.7	2.3	2.4	2.5	...	2.9	...
Hispanic or Latino <sup>3,4</sup> .....	5.8	4.5	4.5	4.8	6.7	9.2	10.5	...	11.6	...	13.9
White, not Hispanic or Latino <sup>3</sup> .....	4.1	4.4	8.0	11.1	18.1	23.4	26.1	25.0	25.3	25.8	26.0
Black or African American, not Hispanic or Latino <sup>3</sup> .....	5.7	5.7	4.8	4.9	9.3	15.1	19.4	21.2	21.5	26.1	26.4
American Indian or Alaska Native, not Hispanic or Latino <sup>3,4</sup> .....	3.6	3.7	7.8	15.2	14.9	16.1	19.5	18.3	16.8	21.8	21.0
Asian or Pacific Islander, not Hispanic or Latino <sup>3,4</sup> .....	*	0.5	0.9	0.9	1.7	2.3	2.3	2.4	...	2.7	...
Asian, not Hispanic or Latino <sup>3,4</sup> .....	...	...	...	...	...	...	...	...	2.1	...	2.5
Native Hawaiian or Other Pacific Islander, not Hispanic or Latino <sup>3,4</sup> .....	...	...	...	...	...	...	...	...	*	...	*
Female:											
White <sup>3</sup> .....	1.5	1.7	3.8	5.3	8.2	9.7	10.7	10.2	10.3	10.3	10.4
Black or African American <sup>3</sup> .....	1.5	1.5	2.1	2.4	4.0	5.9	6.9	7.4	7.4	8.9	9.0
American Indian or Alaska Native <sup>3,4</sup> .....	1.9	1.4	4.6	5.3	6.5	7.6	7.5	6.7	6.9	8.6	9.2
Asian or Pacific Islander <sup>3,4</sup> .....	*	*	0.4	0.4	0.5	0.8	0.9	0.8	...	0.8	...
Hispanic or Latina <sup>3,4</sup> .....	1.0	0.8	1.4	1.6	2.4	3.0	3.1	...	3.3	...	3.6
White, not Hispanic or Latina <sup>3</sup> .....	1.6	1.8	4.3	6.1	9.6	11.4	12.7	12.1	12.2	12.1	12.2
Black or African American, not Hispanic or Latina <sup>3</sup> .....	1.6	1.6	2.2	2.5	4.1	6.1	7.2	7.7	7.6	9.3	9.3
American Indian or Alaska Native, not Hispanic or Latina <sup>3,4</sup> .....	2.2	1.8	6.0	7.6	9.4	11.8	12.0	10.3	10.8	13.5	14.5
Asian or Pacific Islander, not Hispanic or Latina <sup>3,4</sup> .....	*	*	0.4	0.4	0.5	0.8	0.9	0.8	...	0.7	...
Asian, not Hispanic or Latina <sup>3,4</sup> .....	...	...	...	...	...	...	...	...	0.6	...	0.6
Native Hawaiian or Other Pacific Islander, not Hispanic or Latina <sup>3,4</sup> .....	...	...	...	...	...	...	...	...	*	...	*

See footnotes at end of table.

**Table ODMort. Drug overdose death rates, by drug type, sex, age, race, and Hispanic origin: United States, selected years 1999–2019—Con.**

Excel version (with more data years and standard errors when available): <https://www.cdc.gov/nchs/hus/contents2020-2021.htm#Table-ODMort>

[Data are based on death certificates]

Sex, age, race, and Hispanic origin	Drug overdose deaths involving natural or semisynthetic opioids <sup>1,6</sup>										
	1999	2000	2005	2009	2015	2016	2017	2018	2018 (single race)	2019	2019 (single race)
Deaths per 100,000 resident population											
All people											
All ages, age adjusted <sup>2</sup> .....	1.0	1.0	1.9	3.1	3.9	4.4	4.4	---	3.8	---	3.6
All ages, crude.....	1.0	1.0	2.0	3.2	4.0	4.5	4.5	---	3.8	---	3.6
Under 15 years.....	*	*	0.0	0.1	0.1	0.1	0.1	---	0.0	---	0.0
15–24 years.....	0.5	0.5	1.2	2.0	1.6	2.3	2.1	---	1.6	---	1.4
25–34 years.....	1.3	1.3	2.5	4.5	5.3	6.3	6.3	---	5.2	---	5.1
35–44 years.....	2.3	2.4	3.7	5.5	6.9	7.7	7.7	---	6.7	---	6.4
45–54 years.....	2.0	2.2	4.4	6.8	8.1	8.7	8.6	---	7.0	---	6.4
55–64 years.....	0.7	0.7	1.9	3.7	6.4	7.2	7.1	---	6.5	---	6.0
65–74 years.....	0.3	0.3	0.7	1.2	2.1	2.3	2.5	---	2.6	---	2.6
75–84 years.....	0.2	*	0.4	0.6	0.9	0.9	1.0	---	1.1	---	1.2
85 years and over.....	*	*	0.6	0.5	0.7	0.6	0.9	---	0.7	---	0.9
Male											
All ages, age adjusted <sup>2</sup> .....	1.4	1.4	2.4	3.8	4.4	5.2	5.2	---	4.5	---	4.3
All ages, crude.....	1.4	1.5	2.4	3.9	4.5	5.3	5.2	---	4.5	---	4.4
Under 15 years.....	*	*	*	0.1	0.1	0.1	*	---	*	---	*
15–24 years.....	0.7	0.8	1.9	2.8	2.2	3.3	2.8	---	2.2	---	2.0
25–34 years.....	2.0	1.9	3.4	6.3	7.0	8.4	8.3	---	7.0	---	6.8
35–44 years.....	3.6	3.4	4.4	6.6	7.8	9.1	9.5	---	8.0	---	7.8
45–54 years.....	2.8	3.1	5.3	7.6	8.2	9.3	9.3	---	7.6	---	7.2
55–64 years.....	0.8	0.7	2.0	4.1	6.8	7.8	7.5	---	7.3	---	6.8
65–74 years.....	0.4	0.3	0.5	1.2	2.3	2.4	2.6	---	3.0	---	2.9
75–84 years.....	*	*	0.4	0.5	0.9	0.9	0.8	---	1.2	---	1.1
85 years and over.....	*	*	*	*	*	*	0.9	---	*	---	1.0
Female											
All ages, age adjusted <sup>2</sup> .....	0.5	0.6	1.5	2.4	3.4	3.6	3.6	---	3.1	---	2.8
All ages, crude.....	0.5	0.6	1.5	2.5	3.4	3.7	3.7	---	3.1	---	2.9
Under 15 years.....	*	*	*	*	0.1	0.1	0.1	---	*	---	*
15–24 years.....	0.3	0.3	0.6	1.0	1.0	1.2	1.4	---	1.0	---	0.9
25–34 years.....	0.7	0.8	1.6	2.7	3.5	4.2	4.3	---	3.4	---	3.4
35–44 years.....	1.1	1.4	2.9	4.4	6.1	6.3	5.8	---	5.4	---	4.9
45–54 years.....	1.1	1.3	3.5	6.0	7.9	8.1	8.0	---	6.4	---	5.6
55–64 years.....	0.6	0.7	1.7	3.4	5.9	6.5	6.6	---	5.9	---	5.2
65–74 years.....	0.2	0.3	0.8	1.1	1.9	2.3	2.3	---	2.3	---	2.4
75–84 years.....	*	*	0.5	0.6	0.9	0.8	1.1	---	1.0	---	1.2
85 years and over.....	*	*	*	*	0.7	0.5	0.9	---	0.7	---	0.8
All ages, age adjusted <sup>2</sup>											
Male:											
White <sup>3</sup> .....	1.6	1.6	2.7	4.5	5.1	6.0	5.9	5.1	5.1	4.8	4.9
Black or African American <sup>3</sup> .....	1.0	0.9	1.1	1.5	2.3	3.1	3.5	3.3	3.4	3.5	3.5
American Indian or Alaska Native <sup>3,4</sup> .....	*	*	2.2	4.2	4.3	3.6	3.8	2.5	2.2	2.8	2.6
Asian or Pacific Islander <sup>3,4</sup> .....	*	*	0.3	0.5	0.6	0.7	0.7	0.7	...	0.6	...
Hispanic or Latino <sup>3,4</sup> .....	2.3	1.5	1.5	1.9	1.8	2.1	2.4	...	2.1	...	2.1
White, not Hispanic or Latino <sup>3</sup> .....	1.4	1.6	3.0	5.0	6.0	7.0	6.9	5.9	5.9	5.5	5.6
Black or African American, not Hispanic or Latino <sup>3</sup> .....	1.0	0.9	1.2	1.5	2.4	3.3	3.6	3.4	3.5	3.6	3.7
American Indian or Alaska Native, not Hispanic or Latino <sup>3,4</sup> .....	*	*	3.0	6.4	6.9	5.4	6.1	3.9	3.5	4.5	4.2
Asian or Pacific Islander, not Hispanic or Latino <sup>3,4</sup> .....	*	*	0.3	0.4	0.6	0.8	0.7	0.7	...	0.5	...
Asian, not Hispanic or Latino <sup>3,4</sup> .....	...	...	...	...	...	...	...	...	0.6	...	0.5
Native Hawaiian or Other Pacific Islander, not Hispanic or Latino <sup>3,4</sup> .....	...	...	...	...	...	...	...	...	*	...	*

See footnotes at end of table.

**Table ODMort. Drug overdose death rates, by drug type, sex, age, race, and Hispanic origin: United States, selected years 1999–2019—Con.**

Excel version (with more data years and standard errors when available): <https://www.cdc.gov/nchs/hus/contents2020-2021.htm#Table-ODMort>

[Data are based on death certificates]

Drug overdose deaths involving natural or semisynthetic opioids <sup>1,6</sup>											
Sex, age, race, and Hispanic origin	1999	2000	2005	2009	2015	2016	2017	2018	2018 (single race)	2019	2019 (single race)
All ages, age adjusted <sup>2</sup> —Con.											
Deaths per 100,000 resident population											
Female:											
White <sup>3</sup> .....	0.6	0.7	1.7	2.8	3.9	4.2	4.2	3.5	3.6	3.2	3.2
Black or African American <sup>3</sup> .....	0.3	0.3	0.8	1.2	1.8	2.2	2.2	2.0	2.0	2.2	2.2
American Indian or Alaska Native <sup>3,4</sup> .....	*	*	1.9	3.0	3.3	3.5	3.4	2.5	2.6	2.6	2.8
Asian or Pacific Islander <sup>3,4</sup> .....	*	*	*	0.3	0.2	0.4	0.4	0.3	...	0.3	...
Hispanic or Latina <sup>3,4</sup> .....	0.3	0.3	0.6	0.8	1.1	1.2	1.1	...	1.0	...	1.0
White, not Hispanic or Latina <sup>3</sup> .....	0.6	0.8	1.9	3.2	4.6	4.9	4.9	4.2	4.2	3.7	3.7
Black or African American, not Hispanic or Latina <sup>3</sup> .....	0.3	0.3	0.8	1.2	1.9	2.3	2.3	2.1	2.1	2.3	2.3
American Indian or Alaska Native, not Hispanic or Latina <sup>3,4</sup> .....	*	*	2.3	4.3	4.8	5.5	5.3	4.0	4.0	4.0	4.3
Asian or Pacific Islander, not Hispanic or Latina <sup>3,4</sup> .....	*	*	*	*	0.2	0.4	0.4	0.3	...	0.3	...
Asian, not Hispanic or Latina <sup>3,4</sup> .....	...	...	...	...	...	...	...	...	0.3	...	0.2
Native Hawaiian or Other Pacific Islander, not Hispanic or Latina <sup>3,4</sup> .....	...	...	...	...	...	...	...	...	*	...	*
Drug overdose deaths involving methadone <sup>1,7</sup>											
Sex, age, race, and Hispanic origin	1999	2000	2005	2009	2015	2016	2017	2018	2018 (single race)	2019	2019 (single race)
All people											
Deaths per 100,000 resident population											
All ages, age adjusted <sup>2</sup> .....	0.3	0.4	1.5	1.5	1.0	1.0	1.0	---	0.9	---	0.8
All ages, crude.....	0.3	0.4	1.5	1.5	1.0	1.0	1.0	---	0.9	---	0.8
Under 15 years.....	*	*	0.0	*	*	*	*	---	*	---	*
15–24 years.....	0.1	0.2	1.4	1.4	0.5	0.4	0.4	---	0.3	---	0.2
25–34 years.....	0.4	0.5	2.5	2.7	1.7	1.7	1.5	---	1.3	---	1.1
35–44 years.....	0.8	0.9	2.8	2.5	1.8	2.0	1.8	---	1.8	---	1.6
45–54 years.....	0.5	0.7	3.0	3.0	2.0	1.8	1.8	---	1.7	---	1.5
55–64 years.....	0.1	0.2	1.0	1.5	1.6	1.7	1.7	---	1.6	---	1.5
65–74 years.....	*	*	0.2	0.3	0.4	0.4	0.5	---	0.6	---	0.5
75–84 years.....	*	*	*	*	*	*	*	---	*	---	*
85 years and over.....	*	*	*	*	*	*	*	---	*	---	*
Male											
All ages, age adjusted <sup>2</sup> .....	0.4	0.4	2.0	2.0	1.2	1.3	1.1	---	1.1	---	1.0
All ages, crude.....	0.4	0.5	2.0	2.0	1.2	1.3	1.2	---	1.1	---	1.0
Under 15 years.....	*	*	*	*	*	*	*	---	*	---	*
15–24 years.....	0.2	0.3	2.2	2.2	0.7	0.6	0.5	---	0.4	---	0.3
25–34 years.....	0.5	0.6	3.4	3.8	2.2	2.2	1.8	---	1.5	---	1.3
35–44 years.....	1.0	1.1	3.5	3.2	2.1	2.4	2.0	---	2.1	---	1.8
45–54 years.....	0.7	0.9	3.7	3.3	2.0	2.0	2.0	---	1.9	---	1.7
55–64 years.....	*	0.2	1.3	1.9	1.8	2.1	2.0	---	1.8	---	1.9
65–74 years.....	*	*	*	0.4	0.6	0.5	0.6	---	0.9	---	0.8
75–84 years.....	*	*	*	*	*	*	*	---	*	---	*
85 years and over.....	*	*	*	*	*	*	*	---	*	---	*

See footnotes at end of table.

**Table ODMort. Drug overdose death rates, by drug type, sex, age, race, and Hispanic origin: United States, selected years 1999–2019—Con.**

Excel version (with more data years and standard errors when available): <https://www.cdc.gov/nchs/hus/contents2020-2021.htm#Table-ODMort>

[Data are based on death certificates]

Sex, age, race, and Hispanic origin	Drug overdose deaths involving methadone <sup>1,7</sup>									2018 (single race)	2019	2019 (single race)
	1999	2000	2005	2009	2015	2016	2017	2018				
Deaths per 100,000 resident population												
Female												
All ages, age adjusted <sup>2</sup> .....	0.2	0.2	1.0	1.1	0.8	0.8	0.8	---	0.7	---	0.7	
All ages, crude.....	0.2	0.2	1.0	1.1	0.8	0.8	0.8	---	0.8	---	0.7	
Under 15 years.....	*	*	*	*	*	*	*	---	*	---	*	
15–24 years.....	*	*	0.6	0.6	0.2	0.2	0.2	---	0.2	---	0.1	
25–34 years.....	0.3	0.3	1.5	1.6	1.1	1.2	1.1	---	1.0	---	1.0	
35–44 years.....	0.6	0.7	2.1	1.8	1.5	1.6	1.6	---	1.4	---	1.4	
45–54 years.....	0.4	0.5	2.4	2.6	1.9	1.7	1.5	---	1.6	---	1.4	
55–64 years.....	*	*	0.7	1.0	1.4	1.4	1.4	---	1.4	---	1.1	
65–74 years.....	*	*	0.2	0.2	0.3	0.2	0.3	---	0.3	---	0.3	
75–84 years.....	*	*	*	*	*	*	*	---	*	---	*	
85 years and over.....	*	*	*	*	*	*	*	---	*	---	*	
All ages, age adjusted <sup>2</sup>												
Male:												
White <sup>3</sup> .....	0.4	0.5	2.3	2.3	1.4	1.4	1.3	1.2	1.2	1.1	1.1	
Black or African American <sup>3</sup> .....	0.2	0.3	0.9	0.8	0.7	0.8	1.0	0.9	1.0	0.9	0.9	
American Indian or Alaska Native <sup>3,4</sup> .....	*	*	1.8	2.6	1.1	1.0	1.2	*	*	*	*	
Asian or Pacific Islander <sup>3,4</sup> .....	*	*	*	*	*	*	*	*	...	*	...	
Hispanic or Latino <sup>3,4</sup> .....	0.4	0.2	0.7	0.7	0.6	0.7	0.7	...	0.6	...	0.6	
White, not Hispanic or Latino <sup>3</sup> .....	0.4	0.5	2.6	2.7	1.6	1.6	1.5	1.4	1.4	1.2	1.2	
Black or African American, not Hispanic or Latino <sup>3</sup> .....	0.2	0.2	0.9	0.8	0.7	0.8	1.0	0.9	1.0	0.9	1.0	
American Indian or Alaska Native, not Hispanic or Latino <sup>3,4</sup> .....	*	*	2.7	4.1	1.9	1.5	2.0	*	*	*	*	
Asian or Pacific Islander, not Hispanic or Latino <sup>3,4</sup> .....	*	*	*	*	*	*	*	*	...	*	...	
Asian, not Hispanic or Latino <sup>3,4</sup> .....	...	...	...	...	...	...	...	...	*	...	*	
Native Hawaiian or Other Pacific Islander, not Hispanic or Latino <sup>3,4</sup> .....	...	...	...	...	...	...	...	...	*	...	*	
Female:												
White <sup>3</sup> .....	0.2	0.3	1.2	1.2	1.0	0.9	0.9	0.9	0.9	0.8	0.8	
Black or African American <sup>3</sup> .....	0.2	0.2	0.5	0.5	0.5	0.6	0.6	0.5	0.6	0.7	0.7	
American Indian or Alaska Native <sup>3,4</sup> .....	*	*	1.4	1.2	*	*	0.9	*	*	*	*	
Asian or Pacific Islander <sup>3,4</sup> .....	*	*	*	*	*	*	*	*	...	*	...	
Hispanic or Latina <sup>3,4</sup> .....	*	0.1	0.4	0.4	0.3	0.3	0.3	...	0.4	...	0.3	
White, not Hispanic or Latina <sup>3</sup> .....	0.2	0.3	1.3	1.4	1.1	1.1	1.1	1.0	1.0	0.9	0.9	
Black or African American, not Hispanic or Latina <sup>3</sup> .....	0.2	0.2	0.6	0.5	0.5	0.6	0.6	0.6	0.6	0.7	0.7	
American Indian or Alaska Native, not Hispanic or Latina <sup>3,4</sup> .....	*	*	1.8	1.8	*	*	1.6	*	*	*	*	
Asian or Pacific Islander, not Hispanic or Latina <sup>3,4</sup> .....	*	*	*	*	*	*	*	*	...	*	...	
Asian, not Hispanic or Latina <sup>3,4</sup> .....	...	...	...	...	...	...	...	...	*	...	*	
Native Hawaiian or Other Pacific Islander, not Hispanic or Latina <sup>3,4</sup> .....	...	...	...	...	...	...	...	...	*	...	*	

See footnotes at end of table.

**Table ODMort. Drug overdose death rates, by drug type, sex, age, race, and Hispanic origin: United States, selected years 1999–2019—Con.**

Excel version (with more data years and standard errors when available): <https://www.cdc.gov/nchs/hus/contents2020-2021.htm#Table-ODMort>

[Data are based on death certificates]

Sex, age, race, and Hispanic origin	Drug overdose deaths involving synthetic opioids other than methadone <sup>1,8</sup>										
	1999	2000	2005	2009	2015	2016	2017	2018	2018 (single race)	2019	2019 (single race)
Deaths per 100,000 resident population											
All people											
All ages, age adjusted <sup>2</sup> .....	0.3	0.3	0.6	1.0	3.1	6.2	9.0	---	9.9	---	11.4
All ages, crude.....	0.3	0.3	0.6	1.0	3.0	6.0	8.7	---	9.6	---	11.1
Under 15 years.....	*	*	*	*	*	*	0.1	---	0.0	---	0.1
15–24 years.....	0.1	0.1	0.3	0.5	2.3	4.5	6.1	---	6.1	---	7.1
25–34 years.....	0.3	0.2	0.7	1.2	6.6	13.6	19.5	---	20.9	---	23.0
35–44 years.....	0.6	0.7	1.2	1.7	5.6	11.9	17.3	---	19.6	---	22.6
45–54 years.....	0.5	0.6	1.3	2.2	4.6	9.0	13.6	---	14.7	---	17.3
55–64 years.....	0.2	0.3	0.5	1.2	2.9	5.4	8.3	---	9.5	---	12.0
65–74 years.....	0.1	*	0.2	0.5	0.7	1.3	1.9	---	2.6	---	3.3
75–84 years.....	*	*	0.2	0.2	0.2	0.2	0.3	---	0.4	---	0.5
85 years and over.....	*	*	*	*	*	*	*	---	*	---	*
Male											
All ages, age adjusted <sup>2</sup> .....	0.3	0.3	0.6	1.0	4.2	8.9	13.0	---	14.2	---	16.6
All ages, crude.....	0.3	0.3	0.6	1.0	4.1	8.7	12.8	---	14.0	---	16.3
Under 15 years.....	*	*	*	*	*	*	0.1	---	*	---	0.1
15–24 years.....	0.1	0.1	0.5	0.7	3.2	6.4	8.5	---	8.4	---	10.0
25–34 years.....	0.4	0.3	0.9	1.5	9.8	20.0	28.3	---	29.8	---	32.6
35–44 years.....	0.7	0.7	1.3	1.8	7.9	17.4	25.4	---	28.6	---	33.4
45–54 years.....	0.6	0.7	1.3	2.1	5.8	12.4	19.5	---	21.2	---	25.1
55–64 years.....	0.2	0.2	0.4	1.0	3.6	7.5	12.1	---	13.9	---	17.6
65–74 years.....	*	*	*	0.3	0.8	1.7	2.7	---	4.3	---	5.4
75–84 years.....	*	*	*	*	*	*	0.4	---	0.6	---	0.7
85 years and over.....	*	*	*	*	*	*	*	---	*	---	*
Female											
All ages, age adjusted <sup>2</sup> .....	0.2	0.3	0.5	0.9	1.9	3.5	5.0	---	5.5	---	6.3
All ages, crude.....	0.2	0.3	0.5	0.9	1.9	3.4	4.8	---	5.3	---	6.0
Under 15 years.....	*	*	*	*	*	*	*	---	*	---	0.1
15–24 years.....	*	*	0.1	0.2	1.3	2.5	3.7	---	3.8	---	4.1
25–34 years.....	0.2	0.2	0.6	0.9	3.3	7.1	10.3	---	11.8	---	13.0
35–44 years.....	0.5	0.6	1.1	1.5	3.4	6.5	9.3	---	10.5	---	11.8
45–54 years.....	0.5	0.6	1.3	2.3	3.4	5.8	7.8	---	8.4	---	9.7
55–64 years.....	0.3	0.4	0.6	1.4	2.1	3.5	4.8	---	5.4	---	6.8
65–74 years.....	*	*	0.3	0.7	0.6	0.9	1.2	---	1.1	---	1.5
75–84 years.....	*	*	*	0.3	*	*	0.3	---	0.3	---	0.3
85 years and over.....	*	*	*	*	*	*	*	---	*	---	*
All ages, age adjusted <sup>2</sup>											
Male:											
White <sup>3</sup> .....	0.3	0.3	0.7	1.2	4.8	9.9	14.4	15.4	15.5	17.4	17.6
Black or African American <sup>3</sup> .....	*	0.1	0.2	0.3	3.1	8.4	13.6	16.7	17.1	21.6	22.0
American Indian or Alaska Native <sup>3,4</sup> .....	*	*	*	1.8	1.5	3.1	5.3	6.3	5.5	8.7	8.2
Asian or Pacific Islander <sup>3,4</sup> .....	*	*	*	*	0.4	1.0	1.4	1.6	...	2.0	...
Hispanic or Latino <sup>3,4</sup> .....	0.2	*	0.2	0.3	1.4	4.2	6.0	...	7.5	...	10.2
White, not Hispanic or Latino <sup>3</sup> .....	0.3	0.4	0.8	1.3	5.8	11.5	16.8	17.7	17.9	19.5	19.7
Black or African American, not Hispanic or Latino <sup>3</sup> .....	*	0.1	0.2	0.3	3.2	8.6	14.1	17.3	17.6	22.2	22.5
American Indian or Alaska Native, not Hispanic or Latino <sup>3,4</sup> .....	*	*	*	2.9	2.5	5.1	8.9	10.0	9.0	14.1	13.6
Asian or Pacific Islander, not Hispanic or Latino <sup>3,4</sup> .....	*	*	*	*	0.3	1.0	1.4	1.6	...	1.9	...
Asian, not Hispanic or Latino <sup>3,4</sup> .....	...	...	...	...	...	...	...	...	1.5	...	1.8
Native Hawaiian or Other Pacific Islander, not Hispanic or Latino <sup>3,4</sup> .....	...	...	...	...	...	...	...	...	*	...	*

See footnotes at end of table.

**Table ODMort. Drug overdose death rates, by drug type, sex, age, race, and Hispanic origin: United States, selected years 1999–2019—Con.**

Excel version (with more data years and standard errors when available): <https://www.cdc.gov/nchs/hus/contents2020-2021.htm#Table-ODMort>

[Data are based on death certificates]

Drug overdose deaths involving synthetic opioids other than methadone <sup>1,8</sup>											
Sex, age, race, and Hispanic origin	1999	2000	2005	2009	2015	2016	2017	2018	2018 (single race)	2019	2019 (single race)
All ages, age adjusted <sup>2</sup> —Con.											
Deaths per 100,000 resident population											
Female:											
White <sup>3</sup> .....	0.3	0.3	0.6	1.0	2.3	4.0	5.7	6.2	6.3	6.8	6.9
Black or African American <sup>3</sup> .....	*	*	0.2	0.3	1.1	2.9	4.2	5.3	5.3	6.9	6.9
American Indian or Alaska Native <sup>3,4</sup> .....	*	*	*	1.3	1.1	1.9	2.5	3.0	3.2	4.7	5.1
Asian or Pacific Islander <sup>3,4</sup> .....	*	*	*	*	*	0.3	0.4	0.4	...	0.5	...
Hispanic or Latina <sup>3,4</sup> .....	*	*	0.1	0.3	0.4	1.1	1.4	...	1.9	...	2.2
White, not Hispanic or Latina <sup>3</sup> .....	0.3	0.3	0.7	1.2	2.7	4.8	6.9	7.4	7.5	8.1	8.2
Black or African American, not Hispanic or Latina <sup>3</sup> .....	*	*	0.3	0.4	1.1	3.0	4.5	5.5	5.5	7.2	7.2
American Indian or Alaska Native, not Hispanic or Latina <sup>3,4</sup> .....	*	*	*	1.9	1.6	3.2	4.1	4.7	5.0	7.3	8.0
Asian or Pacific Islander, not Hispanic or Latina <sup>3,4</sup> .....	*	*	*	*	*	0.3	0.4	0.4	...	0.5	...
Asian, not Hispanic or Latina <sup>3,4</sup> .....	...	...	...	...	...	...	...	...	0.4	...	0.4
Native Hawaiian or Other Pacific Islander, not Hispanic or Latina <sup>3,4</sup> .....	...	...	...	...	...	...	...	...	*	...	*
Drug overdose deaths involving heroin <sup>1,9</sup>											
Sex, age, race, and Hispanic origin	1999	2000	2005	2009	2015	2016	2017	2018	2018 (single race)	2019	2019 (single race)
All people											
Deaths per 100,000 resident population											
All ages, age adjusted <sup>2</sup> .....	0.7	0.7	0.7	1.1	4.1	4.9	4.9	---	4.7	---	4.4
All ages, crude.....	0.7	0.7	0.7	1.1	4.0	4.8	4.8	---	4.6	---	4.3
Under 15 years.....	*	*	*	*	*	*	*	---	*	---	*
15–24 years.....	0.5	0.6	0.7	1.2	3.8	4.0	3.4	---	2.7	---	2.1
25–34 years.....	1.0	1.0	1.2	2.3	9.7	11.3	10.8	---	10.2	---	8.8
35–44 years.....	1.8	1.5	1.2	1.8	7.4	9.0	9.1	---	9.1	---	8.7
45–54 years.....	1.3	1.2	1.4	1.8	5.6	7.0	7.2	---	7.0	---	6.7
55–64 years.....	0.3	0.3	0.4	0.7	3.4	4.3	4.8	---	4.9	---	5.1
65–74 years.....	*	*	*	0.1	0.6	0.9	1.2	---	1.4	---	1.7
75–84 years.....	*	*	*	*	*	*	*	---	*	---	0.2
85 years and over.....	*	*	*	*	*	*	*	---	*	---	*
Male											
All ages, age adjusted <sup>2</sup> .....	1.2	1.1	1.1	1.8	6.3	7.5	7.3	---	7.1	---	6.6
All ages, crude.....	1.2	1.1	1.1	1.8	6.2	7.4	7.2	---	7.0	---	6.5
Under 15 years.....	*	*	*	*	*	*	*	---	*	---	*
15–24 years.....	0.8	0.9	1.0	1.8	5.2	5.7	4.7	---	3.7	---	2.7
25–34 years.....	1.6	1.7	2.0	3.9	14.8	17.1	16.0	---	15.0	---	12.6
35–44 years.....	3.0	2.6	1.9	3.0	11.4	13.8	13.5	---	13.7	---	13.4
45–54 years.....	2.3	2.2	2.3	3.0	8.7	10.6	10.9	---	10.7	---	10.3
55–64 years.....	0.5	0.4	0.7	1.3	5.6	6.8	7.6	---	7.7	---	8.0
65–74 years.....	*	*	*	*	1.1	1.7	2.1	---	2.6	---	2.9
75–84 years.....	*	*	*	*	*	*	*	---	*	---	0.3
85 years and over.....	*	*	*	*	*	*	*	---	*	---	*

See footnotes at end of table.



**Table ODMort. Drug overdose death rates, by drug type, sex, age, race, and Hispanic origin: United States, selected years 1999–2019—Con.**

Excel version (with more data years and standard errors when available): <https://www.cdc.gov/nchs/hus/contents2020-2021.htm#Table-ODMort>

[Data are based on death certificates]

Sex, age, race, and Hispanic origin	Drug overdose deaths involving heroin <sup>1,9</sup>									2018 (single race)	2019	2019 (single race)
	1999	2000	2005	2009	2015	2016	2017	2018				
Deaths per 100,000 resident population												
Female												
All ages, age adjusted <sup>2</sup> .....	0.2	0.2	0.3	0.4	2.0	2.4	2.5	---	2.3	---	2.2	
All ages, crude.....	0.2	0.2	0.3	0.4	1.9	2.3	2.4	---	2.2	---	2.1	
Under 15 years.....	*	*	*	*	*	*	*	---	*	---	*	
15–24 years.....	0.2	0.2	0.3	0.5	2.2	2.1	2.0	---	1.6	---	1.3	
25–34 years.....	0.3	0.4	0.5	0.7	4.6	5.4	5.4	---	5.2	---	4.8	
35–44 years.....	0.6	0.5	0.5	0.6	3.5	4.1	4.7	---	4.4	---	4.1	
45–54 years.....	0.3	0.3	0.5	0.7	2.7	3.6	3.5	---	3.4	---	3.2	
55–64 years.....	*	*	*	0.2	1.5	1.9	2.1	---	2.3	---	2.4	
65–74 years.....	*	*	*	*	0.2	0.3	0.4	---	0.4	---	0.6	
75–84 years.....	*	*	*	*	*	*	*	---	*	---	*	
85 years and over.....	*	*	*	*	*	*	*	---	*	---	*	
All ages, age adjusted <sup>2</sup>												
Male:												
White <sup>3</sup> .....	1.2	1.1	1.1	2.0	7.2	8.3	8.0	7.8	7.8	7.0	7.1	
Black or African American <sup>3</sup> .....	1.4	1.6	1.3	1.5	5.0	7.1	7.8	7.6	7.8	8.0	8.1	
American Indian or Alaska Native <sup>3,4</sup> .....	*	*	*	1.7	4.0	4.3	4.2	4.7	4.3	4.1	3.9	
Asian or Pacific Islander <sup>3,4</sup> .....	*	*	*	*	0.8	0.8	0.9	0.6	...	0.9	...	
Hispanic or Latino <sup>3,4</sup> .....	2.0	1.6	1.4	1.7	3.8	4.4	4.7	...	4.9	...	5.0	
White, not Hispanic or Latino <sup>3</sup> .....	1.1	1.0	1.1	2.1	8.1	9.4	8.9	8.6	8.7	7.6	7.7	
Black or African American, not Hispanic or Latino <sup>3</sup> .....	1.4	1.7	1.3	1.6	5.1	7.3	8.0	7.8	7.9	8.2	8.3	
American Indian or Alaska Native, not Hispanic or Latino <sup>3,4</sup> .....	*	*	*	2.3	6.4	6.8	6.9	7.7	7.0	6.6	6.2	
Asian or Pacific Islander, not Hispanic or Latino <sup>3,4</sup> .....	*	*	*	*	0.8	0.8	0.9	0.6	...	0.8	...	
Asian, not Hispanic or Latino <sup>3,4</sup> .....	...	...	...	...	...	...	...	...	0.5	...	0.7	
Native Hawaiian or Other Pacific Islander, not Hispanic or Latino <sup>3,4</sup> .....	...	...	...	...	...	...	...	...	*	...	*	
Female:												
White <sup>3</sup> .....	0.2	0.2	0.3	0.4	2.3	2.7	2.8	2.6	2.6	2.4	2.4	
Black or African American <sup>3</sup> .....	0.3	0.3	0.3	0.3	1.3	2.0	2.2	2.3	2.3	2.2	2.2	
American Indian or Alaska Native <sup>3,4</sup> .....	*	*	*	*	1.8	2.2	2.3	1.8	1.8	2.7	2.9	
Asian or Pacific Islander <sup>3,4</sup> .....	*	*	*	*	0.2	0.2	0.2	0.2	...	0.2	...	
Hispanic or Latina <sup>3,4</sup> .....	0.2	0.1	0.2	0.2	0.8	1.1	1.1	...	1.1	...	1.1	
White, not Hispanic or Latina <sup>3</sup> .....	0.2	0.2	0.3	0.5	2.7	3.1	3.2	3.0	3.0	2.8	2.8	
Black or African American, not Hispanic or Latina <sup>3</sup> .....	0.3	0.3	0.3	0.3	1.4	2.0	2.3	2.4	2.4	2.3	2.3	
American Indian or Alaska Native, not Hispanic or Latina <sup>3,4</sup> .....	*	*	*	*	2.5	3.3	3.6	2.6	2.7	4.3	4.5	
Asian or Pacific Islander, not Hispanic or Latina <sup>3,4</sup> .....	*	*	*	*	*	*	0.2	0.2	...	*	...	
Asian, not Hispanic or Latina <sup>3,4</sup> .....	...	...	...	...	...	...	...	...	*	...	*	
Native Hawaiian or Other Pacific Islander, not Hispanic or Latina <sup>3,4</sup> .....	...	...	...	...	...	...	...	...	*	...	*	

See footnotes at end of table.

## Table ODMort. Drug overdose death rates, by drug type, sex, age, race, and Hispanic origin: United States, selected years 1999–2019—Con.

Excel version (with more data years and standard errors when available): <https://www.cdc.gov/nchs/hus/contents2020-2021.htm#Table-ODMort>

[Data are based on death certificates]

--- Data not available.

... Category not applicable.

\* Estimates are considered unreliable; rates based on fewer than 20 deaths are not shown.

0.0 Quantity more than zero but less than 0.05.

<sup>1</sup>Drug overdose is coded using underlying cause of death according to the 10th revision of the *International Classification of Diseases* (ICD–10). See Sources and Definitions, Cause of death; *International Classification of Diseases* (ICD). Drug overdose deaths include those resulting from accidental or intentional overdose 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, legal intervention, operations of war, and undetermined intent. The All drug category is defined by cause-of-death codes X40–X44, X60–X64, X85, and Y10–Y14.

<sup>2</sup>Calculated using the year 2000 standard population with unrounded population numbers. See Sources and Definitions, Age adjustment.

<sup>3</sup>The race groups White, Black or African American, American Indian or Alaska Native, Asian, and Native Hawaiian or Other Pacific Islander include people of Hispanic and non-Hispanic origin. People of Hispanic origin may be of any race. Starting with 2018 data, race on death records is available based on the 1997 “Revisions to the Standards for the Classification of Federal Data on Race and Ethnicity” and presented as single-race estimates (only one race was reported on the death certificate). These estimates include separate estimates for non-Hispanic Asian and non-Hispanic Native Hawaiian or Other Pacific Islander groups. Data for 2003–2017 were tabulated according to the 1977 standards, and race data were bridged to retain comparability across states as they transitioned from 1977 to 1997 standards. Single-race estimates for 2018 and beyond are not completely comparable with bridged-race estimates for earlier years, particularly for the smaller race categories. To look at longer-term trends, bridged-race estimates are also presented. The combined group of non-Hispanic Asian or Pacific Islander people is also shown. See Sources and Definitions, Hispanic origin: Race.

<sup>4</sup>Rates for races other than White and Black or African American should be interpreted with caution because of inconsistencies in reporting Hispanic origin or race on the death certificate (death rate numerators) compared with population figures (death rate denominators). The net effect of misclassification for these race groups is an underestimation of deaths and death rates. For a detailed discussion of sources of bias in death rates by race and Hispanic origin, see Sources and Definitions, Race.

<sup>5</sup>Include deaths with an underlying cause of drug overdose and an opioid mentioned in ICD–10 multiple causes of death. The Any opioid category is defined by multiple cause-of-death codes T40.0–T40.4 and T40.6.

<sup>6</sup>Include deaths with an underlying cause of drug overdose and a natural or semisynthetic opioid (such as codeine, oxycodone, and morphine) mentioned in the ICD–10 multiple cause of death. The Natural or semisynthetic opioid category is defined by multiple cause-of-death code T40.2.

<sup>7</sup>Include deaths with an underlying cause of drug overdose and methadone mentioned in ICD–10 multiple causes of death. The Methadone category is defined by multiple cause-of-death code T40.3.

<sup>8</sup>Include deaths with an underlying cause of drug overdose and synthetic opioids other than methadone mentioned in the ICD–10 multiple causes of death. The Synthetic opioids other than methadone category includes fentanyl, tramadol, and propoxyphene (removed from the market in 2010) and is defined by multiple cause-of-death code T40.4. In 2014, a sharp increase in deaths involving synthetic opioids other than methadone coincided with law enforcement reports of increased availability of illicitly manufactured or nonpharmaceutical fentanyl. Illicitly manufactured fentanyl cannot be distinguished from pharmaceutical fentanyl in death certificate data. For more information, see Centers for Disease Control and Prevention. Health advisory: Increases in fentanyl drug confiscations and fentanyl-related overdose fatalities. 2015. Available from: <https://emergency.cdc.gov/han/han00384.asp>, and Rudd RA, Aleshire N, Zibbell JE, Gladden M. Increases in drug and opioid overdose deaths—United States, 2000–2014. *MMWR Morb Mortal Wkly Rep* 64(50):1378–82. 2016. Available from: [https://www.cdc.gov/mmwr/preview/mmwrhtml/mm6450a3.htm?s\\_cid=mm6450a3\\_w](https://www.cdc.gov/mmwr/preview/mmwrhtml/mm6450a3.htm?s_cid=mm6450a3_w).

<sup>9</sup>Include deaths with an underlying cause of drug overdose and heroin mentioned in the ICD–10 multiple causes of death. The Heroin category is defined by multiple cause-of-death code T40.1. Metabolic breakdown of heroin into morphine in the body can make it difficult to distinguish between deaths from heroin and those from morphine based on information on the death certificate. Some deaths reported to involve morphine could be deaths from heroin, which may result in an undercount of heroin-related deaths. For more information, see: Hedegaard H, Chen LH, Warner M. Drug-poisoning deaths involving heroin: United States, 2000–2013. *NCHS Data Brief*, no 190. Hyattsville, MD: National Center for Health Statistics. 2015. Available from: <https://www.cdc.gov/nchs/products/databriefs/db190.htm>.

NOTES: Drug overdose deaths may involve multiple drugs. Deaths involving multiple drugs (for example, heroin and oxycodone) are included in the death rate for natural or semisynthetic opioids and the death rate for heroin. For more information on the type of drugs commonly involved in drug overdose deaths, in addition to the use of literal text from the death certificate to enhance mortality statistics, see: Hedegaard H, Bastian BA, Trinidad JP, Spencer M, Warner M. Drugs most frequently involved in drug overdose deaths: United States, 2011–2016. *National Vital Statistics Reports*; vol 67 no 9. Hyattsville, MD: National Center for Health Statistics. 2018. Available from: [https://www.cdc.gov/nchs/data/nvsr/nvsr67/nvsr67\\_09-508.pdf](https://www.cdc.gov/nchs/data/nvsr/nvsr67/nvsr67_09-508.pdf). In 1999–2019, 6%–25% of drug overdose deaths did not include specific information on the death certificate about the type of drug involved. For more information, see: Hedegaard H, Miniño AM, Warner M. Drug overdose deaths in the United States, 1999–2019. *NCHS Data Brief*, no 394. Hyattsville, MD: National Center for Health Statistics. 2020. Available from: <https://www.cdc.gov/nchs/products/databriefs/db394.htm>. 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. Rates for 2011 and beyond are computed using 2010-based postcensal estimates. See Sources and Definitions, Population Census and Population Estimates. Age groups are 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 (WISQARS), available from: <https://www.cdc.gov/injury/wisqars/index.html>. Data for additional years are available in the Excel spreadsheet version of this table on the *Health, United States* website at: <https://www.cdc.gov/nchs/hus/index.htm>.

SOURCE: National Center for Health Statistics, National Vital Statistics System, numerator data from annual public-use Mortality Files; denominator data from U.S. Census Bureau national population estimates; and Xu JQ, Murphy SL, Kochanek KD, Arias E. Deaths: Final data for 2019. *National Vital Statistics Reports*; vol 70 no 8. Hyattsville, MD: National Center for Health Statistics. 2021. Available from: <https://www.cdc.gov/nchs/data/nvsr/nvsr70/nvsr70-08-508.pdf>. See Sources and Definitions, National Vital Statistics System (NVSS).