

Drug Poisoning Deaths*, by Drug and Year, United States, 2013–2017**
Number, Crude Rate, and Age-Adjusted Rate* (per 100,000 population)**

	2013			2014			2015			2016			2017		
	Number (#)	Crude Rate	Age-Adjusted Rate	Number (#)	Crude Rate	Age-Adjusted Rate	Number (#)	Crude Rate	Age-Adjusted Rate	Number (#)	Crude Rate	Age-Adjusted Rate	Number (#)	Crude Rate	Age-Adjusted Rate
Drug Poisoning Deaths	43,982	13.9	13.8	47,055	14.8	14.7	52,404	16.3	16.3	63,632	19.7	19.8	70,237	21.6	
Opioids[±]	25,052	7.9	7.9	28,647	9.0	9.0	33,091	10.3	10.4	42,249	13.1	13.3	47,600	14.6	14.9
Heroin	8,257	2.6	2.7	10,574	3.3	3.4	12,989	4.0	4.1	15,469	4.8	4.9	15,482	4.8	4.9
Natural Opioid Analgesics	11,346	3.6	3.5	12,159	3.8	3.8	12,727	4.0	3.9	14,487	4.5	4.4	14,495	4.5	4.4
Methadone	3,591	1.1	1.1	3,400	1.1	1.1	3,301	1.0	1.0	3,373	1.0	1.0	3,194	1.0	1.0
Synthetic Opioid Analgesics	3,105	1.0	1.0	5,544	1.7	1.8	9,580	3.0	3.1	19,413	6.0	6.2	28,466	8.7	9.0
Benzodiazepines	6,973	2.2	2.2	7,945	2.5	2.5	8,791	2.7	2.7	10,684	3.3	3.3	11,537	3.5	3.6
Benzodiazepines AND Any Opioids	5,869	1.9	1.8	6,733	2.1	2.1	7,485	2.3	2.3	9,233	2.9	2.9	10,010	3.1	3.1
Benzodiazepines AND Heroin	1,068	0.3	0.3	1,483	0.5	0.5	1,902	0.6	0.6	2,453	0.8	0.8	2,617	0.8	0.8
Psychostimulants															
Cocaine	4,944	1.6	1.6	5,415	1.7	1.7	6,784	2.1	2.1	10,375	3.2	3.2	13,942	4.3	4.3
Psychostimulants with Abuse Potential	3,627	1.1	1.2	4,298	1.3	1.4	5,716	1.8	1.8	7,542	2.3	2.4	10,333	3.2	3.2
Cannabis (derivatives)	262	0.1	0.1	287	0.1	0.1	409	0.1	0.1	526	0.2	0.2	642	0.2	0.2
Percent with Drugs Specified[†]	78.0%			80.7%			83.1%			85.4%			87.7%		

NOTES:

***Drug Poisoning Deaths:** Drug poisoning deaths are defined as deaths with underlying cause-of-death codes from the World Health Organization's (WHO's) International Classification of Diseases, Tenth Revision (ICD-10) of X40-X44, X60-X64, X85, and Y10-Y14. See Overview & Limitations section for additional information on mortality data and definitions of the specific ICD-10 codes listed.

****Drug Poisoning Deaths, by Drug:** Among the deaths with drug poisoning identified as the underlying cause, the specific drugs are identified by ICD-10 multiple cause-of-death (MCO) T-codes (see below). Each death certificate may contain up to 20 causes of death indicated in the MCO field. Thus, the total count across drugs may exceed the actual number of dead persons in the selected population. Some deaths involve more than one drug; these deaths are included in the rates for each drug category.

*****Age-Adjusted Rate:** Age-adjusted rates are weighted averages of the age-specific death rates, where the weights represent a fixed population by age (2000 U.S. Population). Age adjustment is a technique for removing the effects of age from crude rates, so as to allow meaningful comparisons across populations with different underlying age structures. Age-adjusted rates should be viewed as relative indexes rather than as direct or actual measures of mortality risk. See <http://wonder.cdc.gov/wonder/help/mcd.html> for more information.

±Opioids: Includes any of these MCO codes T40.0-T40.4, or T40.6

Heroin (T40.1); Natural Opioid Analgesics (T40.2) - Including morphine and codeine, and semi-synthetic opioid analgesics, including drugs such as oxycodone, hydrocodone, hydromorphone, and oxymorphone; Methadone (T40.3); Synthetic Opioid Analgesics (T40.4) - Other than methadone, including drugs such as tramadol and fentanyl; Other and Unspecified Narcotics (T40.6)

Benzodiazepines: (T42.4)

Benzodiazepines AND Any Opioids (T42.4 AND T40.0-T40.4, or T40.6)

Benzodiazepines AND Heroin (T42.4 AND T40.1)

Psychostimulants:

Cocaine (T40.5); Psychostimulants with Abuse Potential [excludes cocaine] (T43.6)

Cannabis (derivatives): (T40.7)

†Percent of Drug Poisoning Deaths with Drug(s) Specified: Among drug poisoning deaths, deaths that mention the type of drug(s) involved are defined as those including at least one ICD-10 MCO in the range T36-T50.8. See Overview & Limitations section for more information about this statistic.

SOURCE: Adapted by the NDEWS Coordinating Center from data taken from the Centers for Disease Control and Prevention, National Center for Health Statistics, Multiple cause of death 1999–2017, available on the CDC WONDER Online Database, released December 2018. Data compiled in the Multiple cause of death 1999–2017 were provided by the 57 vital statistics jurisdictions through the Vital Statistics Cooperative Program. Retrieved between January 24–28, 2019, from <http://wonder.cdc.gov/mcd-icd10.html>

Drug Poisoning Deaths*, by Drug and Year, Atlanta MSA^, 2013–2017**
Number, Crude Rate, and Age-Adjusted Rate* (per 100,000 population)**

	2013			2014			2015			2016			2017		
	Number (#)	Crude Rate	Age-Adjusted Rate	Number (#)	Crude Rate	Age-Adjusted Rate	Number (#)	Crude Rate	Age-Adjusted Rate	Number (#)	Crude Rate	Age-Adjusted Rate	Number (#)	Crude Rate	Age-Adjusted Rate
Drug Poisoning Deaths	576	10.4	10.1	716	12.8	12.5	796	13.9	13.6	817	14.1	13.7	874	14.9	14.4
Opioids[‡]	286	5.2	5.1	431	7.7	7.5	561	9.8	9.6	564	9.7	9.5	611	10.4	10.1
Heroin	53	1.0	0.9	131	2.3	2.3	195	3.4	3.4	175	3.0	3.0	203	3.4	3.4
Natural Opioid Analgesics	154	2.8	2.7	218	3.9	3.8	256	4.5	4.3	248	4.3	4.1	284	4.8	4.6
Methadone	41	0.7	0.7	50	0.9	0.9	63	1.1	1.1	49	0.8	0.8	40	0.7	0.7
Synthetic Opioid Analgesics	36	0.7	0.6	114	2.0	2.0	204	3.6	3.5	187	3.2	3.2	260	4.4	4.4
Benzodiazepines	97	1.8	1.7	104	1.9	1.8	163	2.9	2.8	160	2.8	2.7	188	3.2	3.1
Benzodiazepines AND Any Opioids	86	1.6	1.5	89	1.6	1.6	144	2.5	2.5	143	2.5	2.4	166	2.8	2.7
Benzodiazepines AND Heroin	SUP	SUP	SUP	14	UNR	UNR	24	0.4	0.4	31	0.5	0.5	40	0.7	0.7
Psychostimulants															
Cocaine	80	1.4	1.4	98	1.7	1.7	119	2.1	2.0	147	2.5	2.4	178	3.0	2.9
Psychostimulants with Abuse Potential	63	1.1	1.1	82	1.5	1.5	133	2.3	2.3	140	2.4	2.4	215	3.7	3.6
Cannabis (derivatives)	SUP	SUP	SUP	SUP	SUP	SUP	SUP	SUP	SUP	SUP	SUP	SUP	SUP	SUP	SUP
Percent with Drugs Specified[‡]	76.4%			83.0%			94.5%			96.3%			96.0%		

NOTES:

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****Drug Poisoning Deaths, by Drug:** Among the deaths with drug poisoning identified as the underlying cause, the specific drugs are identified by ICD-10 multiple cause-of-death (MCO) T-codes (see below). Each death certificate may contain up to 20 causes of death indicated in the MCO field. Thus, the total count across drugs may exceed the actual number of dead persons in the selected population. Some deaths involve more than one drug; these deaths are included in the rates for each drug category.

^Atlanta MSA: Comprised of Barrow, Bartow, Butts, Carroll, Cherokee, Clayton, Cobb, Coweta, Dawson, DeKalb, Douglas, Fayette, Forsyth, Fulton, Gwinnett, Haralson, Heard, Henry, Jasper, Lamar, Meriwether, Morgan, Newton, Paulding, Pickens, Pike, Rockdale, Spalding, and Walton Counties.

*****Age-Adjusted Rate:** Age-adjusted rates are weighted averages of the age-specific death rates, where the weights represent a fixed population by age (2000 U.S. Population). Age adjustment is a technique for removing the effects of age from crude rates, so as to allow meaningful comparisons across populations with different underlying age structures. Age-adjusted rates should be viewed as relative indexes rather than as direct or actual measures of mortality risk. See <http://wonder.cdc.gov/wonder/help/mcd.html> for more information.

±Opioids: Includes any of these MCO codes T40.0-T40.4, or T40.6

Heroin (T40.1); Natural Opioid Analgesics (T40.2) - Including morphine and codeine, and semi-synthetic opioid analgesics, including drugs such as oxycodone, hydrocodone, hydromorphone, and oxymorphone; Methadone (T40.3); Synthetic Opioid Analgesics (T40.4) - Other than methadone, including drugs such as tramadol and fentanyl; Other and Unspecified Narcotics (T40.6)

Benzodiazepines: (T42.4)

Benzodiazepines AND Any Opioids (T42.4 AND T40.0-T40.4, or T40.6)

Benzodiazepines AND Heroin (T42.4 AND T40.1)

Psychostimulants:

Cocaine (T40.5); Psychostimulants with Abuse Potential [excludes cocaine] (T43.6)

Cannabis (derivatives): (T40.7)

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SUP=Suppressed: Counts and rates are suppressed for subnational data representing 0–9 deaths. **UNR=Unreliable:** Rates are unreliable when the death count <20.

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Drug Poisoning Deaths*, by Drug and Year, Cook County (Chicago Area), 2013–2017**
Number, Crude Rate, and Age-Adjusted Rate* (per 100,000 population)**

	2013			2014			2015			2016			2017		
	Number (#)	Crude Rate	Age-Adjusted Rate	Number (#)	Crude Rate	Age-Adjusted Rate	Number (#)	Crude Rate	Age-Adjusted Rate	Number (#)	Crude Rate	Age-Adjusted Rate	Number (#)	Crude Rate	Age-Adjusted Rate
Drug Poisoning Deaths	628	12.0	11.6	622	11.9	11.5	697	13.3	12.6	1,114	21.4	20.7	1,235	23.7	22.9
Opioids[‡]	486	9.3	9.0	480	9.1	8.9	549	10.5	10.0	972	18.7	18.1	1,041	20.0	19.3
Heroin	291	5.6	5.4	323	6.2	6.0	362	6.9	6.6	536	10.3	10.0	672	12.9	12.4
Natural Opioid Analgesics	68	1.3	1.2	64	1.2	1.2	67	1.3	1.2	131	2.5	2.4	163	3.1	3.0
Methadone	40	0.8	0.8	35	0.7	0.7	40	0.8	0.7	55	1.1	1.0	86	1.7	1.5
Synthetic Opioid Analgesics	21	0.4	0.3	29	0.6	0.5	97	1.9	1.8	514	9.9	9.6	617	11.8	11.5
Benzodiazepines	67	1.3	1.2	86	1.6	1.6	96	1.8	1.7	166	3.2	3.1	309	5.9	5.8
Benzodiazepines AND Any Opioids	47	0.9	0.9	57	1.1	1.0	72	1.4	1.3	142	2.7	2.6	278	5.3	5.2
Benzodiazepines AND Heroin	11	UNR	UNR	17	UNR	UNR	23	0.4	0.4	52	1.0	1.0	157	3.0	2.9
Psychostimulants															
Cocaine	143	2.7	2.6	122	2.3	2.3	158	3.0	2.9	278	5.3	5.2	433	8.3	8.0
Psychostimulants with Abuse Potential	SUP	SUP	SUP	14	UNR	UNR	14	UNR	UNR	22	0.4	0.4	57	1.1	1.1
Cannabis (derivatives)	SUP	SUP	SUP	SUP	SUP	SUP	SUP	SUP	SUP	SUP	SUP	SUP	SUP	SUP	SUP
Percent with Drugs Specified[‡]	98.4%			98.4%			97.8%			99.6%			99.5%		

NOTES:

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Benzodiazepines: (T42.4)
Benzodiazepines AND Any Opioids (T42.4 AND T40.0-T40.4, or T40.6)
Benzodiazepines AND Heroin (T42.4 AND T40.1)

Psychostimulants:
Cocaine (T40.5); Psychostimulants with Abuse Potential [excludes cocaine] (T43.6)

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Drug Poisoning Deaths*, by Drug and Year, Denver Metro Area^, 2013–2017
Number, Crude Rate, and Age-Adjusted Rate*** (per 100,000 population)**

	2013			2014			2015			2016			2017		
	Number (#)	Crude Rate	Age-Adjusted Rate	Number (#)	Crude Rate	Age-Adjusted Rate	Number (#)	Crude Rate	Age-Adjusted Rate	Number (#)	Crude Rate	Age-Adjusted Rate	Number (#)	Crude Rate	Age-Adjusted Rate
Drug Poisoning Deaths	486	16.4	15.7	500	16.5	15.8	460	14.9	14.1	495	15.8	15.1	526	16.6	15.9
Opioids[‡]	267	9.0	8.7	320	10.6	10.0	295	9.5	9.0	299	9.5	9.2	299	9.4	9.0
Heroin	85	2.9	2.8	98	3.2	3.1	90	2.9	2.7	122	3.9	3.8	104	3.3	3.1
Natural Opioid Analgesics	135	4.5	4.4	174	5.7	5.4	172	5.6	5.2	135	4.3	4.0	139	4.4	4.1
Methadone	24	0.8	0.8	32	1.1	1.0	23	0.7	0.7	39	1.2	1.2	42	1.3	1.2
Synthetic Opioid Analgesics	39	1.3	1.2	48	1.6	1.5	30	1.0	1.0	33	1.1	1.0	63	2.0	2.0
Benzodiazepines	57	1.9	1.8	94	3.1	3.0	78	2.5	2.4	96	3.1	2.9	84	2.7	2.5
Benzodiazepines AND Any Opioids	43	1.4	1.4	77	2.5	2.5	61	2.0	1.9	77	2.5	2.3	75	2.4	2.3
Benzodiazepines AND Heroin	11	UNR	UNR	14	UNR	UNR	11	UNR	UNR	24	0.8	0.7	20	0.6	0.6
Psychostimulants															
Cocaine	45	1.5	1.5	45	1.5	1.4	49	1.6	1.5	73	2.3	2.2	66	2.1	2.1
Psychostimulants with Abuse Potential	65	2.2	2.1	67	2.2	2.1	78	2.5	2.5	111	3.5	3.4	135	4.3	4.0
Cannabis (derivatives)	SUP	SUP	SUP	14	UNR	UNR	SUP	SUP	SUP	SUP	SUP	SUP	SUP	SUP	SUP
Percent with Drugs Specified[‡]	79.4%			86.6%			88.3%			86.5%			85.0%		

NOTES:

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^**Denver Metro Area:** NDEWS Denver catchment area is comprised of Adams, Arapahoe, Boulder, Broomfield, Clear Creek, Denver, Douglas, Gilpin, and Jefferson Counties.

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±**Opioids:** Includes any of these MCO codes T40.0-T40.4, or T40.6

 Heroin (T40.1); Natural Opioid Analgesics (T40.2) - Including morphine and codeine, and semi-synthetic opioid analgesics, including drugs such as oxycodone, hydrocodone, hydromorphone, and oxymorphone; Methadone (T40.3); Synthetic Opioid Analgesics (T40.4) - Other than methadone, including drugs such as tramadol and fentanyl; Other and Unspecified Narcotics (T40.6)

Benzodiazepines: (T42.4)

 Benzodiazepines AND Any Opioids (T42.4 AND T40.0-T40.4, or T40.6)

 Benzodiazepines AND Heroin (T42.4 AND T40.1)

Psychostimulants:

 Cocaine (T40.5); Psychostimulants with Abuse Potential [excludes cocaine] (T43.6)

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Drug Poisoning Deaths*, by Drug and Year, King County (Seattle Area), 2013–2017**
Number, Crude Rate, and Age-Adjusted Rate* (per 100,000 population)**

	2013			2014			2015			2016			2017		
	Number (#)	Crude Rate	Age-Adjusted Rate	Number (#)	Crude Rate	Age-Adjusted Rate	Number (#)	Crude Rate	Age-Adjusted Rate	Number (#)	Crude Rate	Age-Adjusted Rate	Number (#)	Crude Rate	Age-Adjusted Rate
Drug Poisoning Deaths	282	13.8	12.6	300	14.4	13.1	285	13.5	12.6	308	14.3	13.0	335	15.3	14.3
Opioids[†]	203	9.9	9.0	222	10.7	9.7	198	9.4	8.7	215	10.0	9.0	245	11.2	10.3
Heroin	86	4.2	3.9	137	6.6	6.0	117	5.5	5.2	112	5.2	4.8	136	6.2	5.7
Natural Opioid Analgesics	76	3.7	3.3	68	3.3	2.9	58	2.7	2.5	63	2.9	2.6	48	2.2	2.0
Methadone	47	2.3	2.1	43	2.1	1.8	37	1.7	1.6	45	2.1	1.8	54	2.5	2.2
Synthetic Opioid Analgesics	14	UNR	UNR	12	UNR	UNR	SUP	SUP	SUP	27	1.3	1.2	44	2.0	1.9
Benzodiazepines	50	2.4	2.3	67	3.2	2.9	51	2.4	2.3	72	3.3	3.1	74	3.4	3.2
Benzodiazepines AND Any Opioids	43	2.1	1.9	57	2.7	2.5	45	2.1	2.0	65	3.0	2.8	64	2.9	2.7
Benzodiazepines AND Heroin	11	UNR	UNR	28	1.3	1.2	21	1.0	0.9	26	1.2	1.1	30	1.4	1.3
Psychostimulants															
Cocaine	65	3.2	2.9	74	3.6	3.3	54	2.6	2.2	55	2.6	2.3	63	2.9	2.6
Psychostimulants with Abuse Potential	40	2.0	1.8	68	3.3	3.0	76	3.6	3.4	85	4.0	3.7	109	5.0	4.5
Cannabis (derivatives)	SUP	SUP	SUP	SUP	SUP	SUP	SUP	SUP	SUP	SUP	SUP	SUP	SUP	SUP	SUP
Percent with Drugs Specified[‡]	98.9%			99.7%			98.9%			99.4%			98.5%		

NOTES:

***Drug Poisoning Deaths:** Drug poisoning deaths are defined as deaths with underlying cause-of-death codes from the World Health Organization's (WHO's) International Classification of Diseases, Tenth Revision (ICD-10) of X40-X44, X60-X64, X85, and Y10-Y14. See Overview & Limitations section for additional information on mortality data and definitions of the specific ICD-10 codes listed.

****Drug Poisoning Deaths, by Drug:** Among the deaths with drug poisoning identified as the underlying cause, the specific drugs are identified by ICD-10 multiple cause-of-death (MCO) T-codes (see below). Each death certificate may contain up to 20 causes of death indicated in the MCO field. Thus, the total count across drugs may exceed the actual number of dead persons in the selected population. Some deaths involve more than one drug; these deaths are included in the rates for each drug category.

*****Age-Adjusted Rate:** Age-adjusted rates are weighted averages of the age-specific death rates, where the weights represent a fixed population by age (2000 U.S. Population). Age adjustment is a technique for removing the effects of age from crude rates, so as to allow meaningful comparisons across populations with different underlying age structures. Age-adjusted rates should be viewed as relative indexes rather than as direct or actual measures of mortality risk. See <http://wonder.cdc.gov/wonder/help/mcd.html> for more information.

†**Opioids:** Includes any of these MCO codes T40.0-T40.4, or T40.6

Heroin (T40.1); Natural Opioid Analgesics (T40.2) - Including morphine and codeine, and semi-synthetic opioid analgesics, including drugs such as oxycodone, hydrocodone, hydromorphone, and oxymorphone; Methadone (T40.3); Synthetic Opioid Analgesics (T40.4) - Other than methadone, including drugs such as tramadol and fentanyl; Other and Unspecified Narcotics (T40.6)

Benzodiazepines: (T42.4)

Benzodiazepines AND Any Opioids (T42.4 AND T40.0-T40.4, or T40.6)

Benzodiazepines AND Heroin (T42.4 AND T40.1)

Psychostimulants:

Cocaine (T40.5); Psychostimulants with Abuse Potential [excludes cocaine] (T43.6)

Cannabis (derivatives): (T40.7)

‡**Percent of Drug Poisoning Deaths with Drug(s) Specified:** Among drug poisoning deaths, deaths that mention the type of drug(s) involved are defined as those including at least one ICD-10 MCO in the range T36-T50.8. See Overview & Limitations section for more information about this statistic.

SUP=Suppressed: Counts and rates are suppressed for subnational data representing 0–9 deaths. **UNR=Unreliable:** Rates are unreliable when the death count <20.

SOURCE: Adapted by the NDEWS Coordinating Center from data taken from the Centers for Disease Control and Prevention, National Center for Health Statistics, Multiple cause of death 1999–2017, available on the CDC WONDER Online Database, released December 2018. Data compiled in the Multiple cause of death 1999–2017 were provided by the 57 vital statistics jurisdictions through the Vital Statistics Cooperative Program. Retrieved between January 24–28, 2019, from <http://wonder.cdc.gov/mcd-icd10.html>

Drug Poisoning Deaths*, by Drug and Year, Los Angeles^, 2013–2017
Number, Crude Rate, and Age-Adjusted Rate*** (per 100,000 population)**

	2013			2014			2015			2016			2017		
	Number (#)	Crude Rate	Age-Adjusted Rate	Number (#)	Crude Rate	Age-Adjusted Rate	Number (#)	Crude Rate	Age-Adjusted Rate	Number (#)	Crude Rate	Age-Adjusted Rate	Number (#)	Crude Rate	Age-Adjusted Rate
Drug Poisoning Deaths	815	8.1	7.8	735	7.3	6.9	732	7.2	6.9	821	8.1	7.6	917	9.0	8.5
Opioids[‡]	299	3.0	2.8	291	2.9	2.7	288	2.8	2.7	344	3.4	3.2	454	4.5	4.2
Heroin	156	1.6	1.5	131	1.3	1.2	126	1.2	1.2	131	1.3	1.2	178	1.8	1.6
Natural Opioid Analgesics	174	1.7	1.6	166	1.6	1.5	168	1.7	1.6	175	1.7	1.6	200	2.0	1.8
Methadone	37	0.4	0.3	32	0.3	0.3	26	0.3	0.2	31	0.3	0.3	47	0.5	0.4
Synthetic Opioid Analgesics	18	UNR	UNR	24	0.2	0.2	20	0.2	0.2	75	0.7	0.7	132	1.3	1.2
Benzodiazepines	35	0.3	0.3	46	0.5	0.5	44	0.4	0.4	65	0.6	0.6	97	1.0	0.9
Benzodiazepines AND Any Opioids	19	UNR	UNR	37	0.4	0.4	30	0.3	0.3	49	0.5	0.5	70	0.7	0.7
Benzodiazepines AND Heroin	SUP	SUP	SUP	10	UNR	UNR	SUP	SUP	SUP	SUP	SUP	SUP	15	UNR	UNR
Psychostimulants															
Cocaine	73	0.7	0.7	81	0.8	0.8	92	0.9	0.9	105	1.0	0.9	116	1.1	1.1
Psychostimulants with Abuse Potential	160	1.6	1.5	161	1.6	1.5	213	2.1	2.0	284	2.8	2.7	347	3.4	3.2
Cannabis (derivatives)	SUP	SUP	SUP	SUP	SUP	SUP	SUP	SUP	SUP	SUP	SUP	SUP	SUP	SUP	SUP
Percent with Drugs Specified[†]	69.1%			70.9%			78.1%			80.1%			88.3%		

NOTES:
***Drug Poisoning Deaths:** Drug poisoning deaths are defined as deaths with underlying cause-of-death codes from the World Health Organization's (WHO's) International Classification of Diseases, Tenth Revision (ICD-10) of X40-X44, X60-X64, X85, and Y10-Y14. See Overview & Limitations section for additional information on mortality data and definitions of the specific ICD-10 codes listed.
****Drug Poisoning Deaths, by Drug:** Among the deaths with drug poisoning identified as the underlying cause, the specific drugs are identified by ICD-10 multiple cause-of-death (MCO) T-codes (see below). Each death certificate may contain up to 20 causes of death indicated in the MCO field. Thus, the total count across drugs may exceed the actual number of dead persons in the selected population. Some deaths involve more than one drug; these deaths are included in the rates for each drug category.
^Los Angeles: Comprised of Los Angeles County.
*****Age-Adjusted Rate:** Age-adjusted rates are weighted averages of the age-specific death rates, where the weights represent a fixed population by age (2000 U.S. Population). Age adjustment is a technique for removing the effects of age from crude rates, so as to allow meaningful comparisons across populations with different underlying age structures. Age-adjusted rates should be viewed as relative indexes rather than as direct or actual measures of mortality risk. See <http://wonder.cdc.gov/wonder/help/mcd.html> for more information.
±Opioids: Includes any of these MCO codes T40.0-T40.4, or T40.6
 Heroin (T40.1); Natural Opioid Analgesics (T40.2) - Including morphine and codeine, and semi-synthetic opioid analgesics, including drugs such as oxycodone, hydrocodone, hydromorphone, and oxymorphone; Methadone (T40.3); Synthetic Opioid Analgesics (T40.4) - Other than methadone, including drugs such as tramadol and fentanyl; Other and Unspecified Narcotics (T40.6)
Benzodiazepines: (T42.4)
 Benzodiazepines AND Any Opioids (T42.4 AND T40.0-T40.4, or T40.6)
 Benzodiazepines AND Heroin (T42.4 AND T40.1)
Psychostimulants:
 Cocaine (T40.5); Psychostimulants with Abuse Potential [excludes cocaine] (T43.6)
Cannabis (derivatives): (T40.7)
†Percent of Drug Poisoning Deaths with Drug(s) Specified: Among drug poisoning deaths, deaths that mention the type of drug(s) involved are defined as those including at least one ICD-10 MCO in the range T36-T50.8. See Overview & Limitations section for more information about this statistic.

SUP=Suppressed: Counts and rates are suppressed for subnational data representing 0–9 deaths. **UNR=Unreliable:** Rates are unreliable when the death count <20.

SOURCE: Adapted by the NDEWS Coordinating Center from data taken from the Centers for Disease Control and Prevention, National Center for Health Statistics, Multiple cause of death 1999–2017, available on the CDC WONDER Online Database, released December 2018. Data compiled in the Multiple cause of death 1999–2017 were provided by the 57 vital statistics jurisdictions through the Vital Statistics Cooperative Program. Retrieved between January 24–28, 2019, from <http://wonder.cdc.gov/mcd-icd10.html>

Drug Poisoning Deaths*, by Drug and Year, Maine, 2013–2017**
Number, Crude Rate, and Age-Adjusted Rate* (per 100,000 population)**

	2013			2014			2015			2016			2017		
	Number (#)	Crude Rate	Age-Adjusted Rate	Number (#)	Crude Rate	Age-Adjusted Rate	Number (#)	Crude Rate	Age-Adjusted Rate	Number (#)	Crude Rate	Age-Adjusted Rate	Number (#)	Crude Rate	Age-Adjusted Rate
Drug Poisoning Deaths	174	13.1	13.2	216	16.2	16.8	269	20.2	21.2	353	26.5	28.7	424	31.7	34.4
Opioids[†]	125	9.4	9.9	171	12.9	13.7	238	17.9	19.3	301	22.6	25.2	360	26.9	29.9
Heroin	16	UNR	UNR	38	2.9	3.1	52	3.9	4.5	55	4.1	4.7	76	5.7	6.2
Natural Opioid Analgesics	64	4.8	4.9	80	6.0	6.1	102	7.7	7.7	132	9.9	10.8	75	5.6	5.5
Methadone	34	2.6	2.6	29	2.2	2.2	36	2.7	2.8	37	2.8	2.8	30	2.2	2.5
Synthetic Opioid Analgesics	23	1.7	1.8	62	4.7	5.2	116	8.7	9.9	199	14.9	17.3	278	20.8	23.5
Benzodiazepines	56	4.2	4.2	69	5.2	5.5	78	5.9	6.1	97	7.3	7.7	100	7.5	7.8
Benzodiazepines AND Any Opioids	46	3.5	3.4	58	4.4	4.7	69	5.2	5.5	90	6.8	7.3	87	6.5	6.8
Benzodiazepines AND Heroin	SUP	SUP	SUP	10	UNR	UNR	13	UNR	UNR	11	UNR	UNR	11	UNR	UNR
Psychostimulants															
Cocaine	SUP	SUP	SUP	23	1.7	1.9	32	2.4	2.8	61	4.6	5.0	94	7.0	7.7
Psychostimulants with Abuse Potential	12	UNR	UNR	16	UNR	UNR	21	1.6	1.7	28	2.1	2.3	44	3.3	3.8
Cannabis (derivatives)	SUP	SUP	SUP	SUP	SUP	SUP	SUP	SUP	SUP	SUP	SUP	SUP	SUP	SUP	SUP
Percent with Drugs Specified[‡]	95.4%			99.1%			98.5%			98.6%			99.1%		

NOTES:

***Drug Poisoning Deaths:** Drug poisoning deaths are defined as deaths with underlying cause-of-death codes from the World Health Organization's (WHO's) International Classification of Diseases, Tenth Revision (ICD-10) of X40-X44, X60-X64, X85, and Y10-Y14. See Overview & Limitations section for additional information on mortality data and definitions of the specific ICD-10 codes listed.

****Drug Poisoning Deaths, by Drug:** Among the deaths with drug poisoning identified as the underlying cause, the specific drugs are identified by ICD-10 multiple cause-of-death (MCD) T-codes (see below). Each death certificate may contain up to 20 causes of death indicated in the MCD field. Thus, the total count across drugs may exceed the actual number of dead persons in the selected population. Some deaths involve more than one drug; these deaths are included in the rates for each drug category.

*****Age-Adjusted Rate:** Age-adjusted rates are weighted averages of the age-specific death rates, where the weights represent a fixed population by age (2000 U.S. Population). Age adjustment is a technique for removing the effects of age from crude rates, so as to allow meaningful comparisons across populations with different underlying age structures. Age-adjusted rates should be viewed as relative indexes rather than as direct or actual measures of mortality risk. See <http://wonder.cdc.gov/wonder/help/mcd.html> for more information.

†**Opioids:** Includes any of these MCD codes T40.0-T40.4, or T40.6

Heroin (T40.1); Natural Opioid Analgesics (T40.2) - Including morphine and codeine, and semi-synthetic opioid analgesics, including drugs such as oxycodone, hydrocodone, hydromorphone, and oxymorphone; Methadone (T40.3); Synthetic Opioid Analgesics (T40.4) - Other than methadone, including drugs such as tramadol and fentanyl; Other and Unspecified Narcotics (T40.6)

Benzodiazepines: (T42.4)

Benzodiazepines AND Any Opioids (T42.4 AND T40.0-T40.4, or T40.6)

Benzodiazepines AND Heroin (T42.4 AND T40.1)

Psychostimulants:

Cocaine (T40.5); Psychostimulants with Abuse Potential [excludes cocaine] (T43.6)

Cannabis (derivatives): (T40.7)

‡**Percent of Drug Poisoning Deaths with Drug(s) Specified:** Among drug poisoning deaths, deaths that mention the type of drug(s) involved are defined as those including at least one ICD-10 MCD in the range T36-T50.8. See Overview & Limitations section for more information about this statistic.

SUP=Suppressed: Counts and rates are suppressed for subnational data representing 0–9 deaths. **UNR=Unreliable:** Rates are unreliable when the death count <20.

SOURCE: Adapted by the NDEWS Coordinating Center from data taken from the Centers for Disease Control and Prevention, National Center for Health Statistics, Multiple cause of death 1999–2017, available on the CDC WONDER Online Database, released December 2018. Data compiled in the Multiple cause of death 1999–2017 were provided by the 57 vital statistics jurisdictions through the Vital Statistics Cooperative Program. Retrieved between January 24–28, 2019, from <http://wonder.cdc.gov/mcd-icd10.html>

Drug Poisoning Deaths*, by Drug and Year, New York City^, 2013–2017
Number, Crude Rate, and Age-Adjusted Rate*** (per 100,000 population)**

	2013			2014			2015			2016			2017		
	Number (#)	Crude Rate	Age-Adjusted Rate	Number (#)	Crude Rate	Age-Adjusted Rate	Number (#)	Crude Rate	Age-Adjusted Rate	Number (#)	Crude Rate	Age-Adjusted Rate	Number (#)	Crude Rate	Age-Adjusted Rate
Drug Poisoning Deaths	785	9.3	8.9	765	9.0	8.5	887	10.4	9.9	1,326	15.5	14.7	1,395	16.2	15.3
Opioids[±]	541	6.4	6.1	555	6.5	6.2	665	7.8	7.4	1,030	12.1	11.5	1,104	12.8	12.1
Heroin	223	2.7	2.5	274	3.2	3.1	363	4.2	4.1	496	5.8	5.5	577	6.7	6.3
Natural Opioid Analgesics	207	2.5	2.3	188	2.2	2.1	215	2.5	2.4	306	3.6	3.4	283	3.3	3.1
Methadone	134	1.6	1.5	109	1.3	1.2	120	1.4	1.3	161	1.9	1.7	158	1.8	1.7
Synthetic Opioid Analgesics	37	0.4	0.4	43	0.5	0.5	128	1.5	1.4	523	6.1	5.9	739	8.6	8.1
Benzodiazepines	218	2.6	2.5	244	2.9	2.7	265	3.1	2.9	364	4.3	4.1	365	4.2	4.0
Benzodiazepines AND Any Opioids	187	2.2	2.2	216	2.5	2.4	234	2.7	2.6	320	3.7	3.6	341	4.0	3.8
Benzodiazepines AND Heroin	53	0.6	0.6	92	1.1	1.0	102	1.2	1.1	136	1.6	1.5	166	1.9	1.8
Psychostimulants															
Cocaine	259	3.1	3.0	228	2.7	2.6	268	3.1	2.9	471	5.5	5.3	588	6.8	6.4
Psychostimulants with Abuse Potential	17	UNR	UNR	32	0.4	0.4	39	0.5	0.5	59	0.7	0.7	58	0.7	0.7
Cannabis (derivatives)	SUP	SUP	SUP	SUP	SUP	SUP	SUP	SUP	SUP	SUP	SUP	SUP	SUP	SUP	SUP
Percent with Drugs Specified[†]	97.3%			98.2%			97.9%			98.9%			98.9%		

NOTES:

***Drug Poisoning Deaths:** Drug poisoning deaths are defined as deaths with underlying cause-of-death codes from the World Health Organization's (WHO's) International Classification of Diseases, Tenth Revision (ICD-10) of X40-X44, X60-X64, X85, and Y10-Y14. See Overview & Limitations section for additional information on mortality data and definitions of the specific ICD-10 codes listed.

****Drug Poisoning Deaths, by Drug:** Among the deaths with drug poisoning identified as the underlying cause, the specific drugs are identified by ICD-10 multiple cause-of-death (MCD) T-codes (see below). Each death certificate may contain up to 20 causes of death indicated in the MCD field. Thus, the total count across drugs may exceed the actual number of dead persons in the selected population. Some deaths involve more than one drug; these deaths are included in the rates for each drug category.

^**New York City:** Comprised of Bronx, Kings, New York, Queens, and Richmond Counties.

*****Age-Adjusted Rate:** Age-adjusted rates are weighted averages of the age-specific death rates, where the weights represent a fixed population by age (2000 U.S. Population). Age adjustment is a technique for removing the effects of age from crude rates, so as to allow meaningful comparisons across populations with different underlying age structures. Age-adjusted rates should be viewed as relative indexes rather than as direct or actual measures of mortality risk. See <http://wonder.cdc.gov/wonder/help/mcd.html> for more information.

±**Opioids:** Includes any of these MCD codes T40.0-T40.4, or T40.6

 Heroin (T40.1); Natural Opioid Analgesics (T40.2) - Including morphine and codeine, and semi-synthetic opioid analgesics, including drugs such as oxycodone, hydrocodone, hydromorphone, and oxymorphone; Methadone (T40.3); Synthetic Opioid Analgesics (T40.4) - Other than methadone, including drugs such as tramadol and fentanyl; Other and Unspecified Narcotics (T40.6)

Benzodiazepines: (T42.4)

 Benzodiazepines AND Any Opioids (T42.4 AND T40.0-T40.4, or T40.6)

 Benzodiazepines AND Heroin (T42.4 AND T40.1)

Psychostimulants:

 Cocaine (T40.5); Psychostimulants with Abuse Potential [excludes cocaine] (T43.6)

Cannabis (derivatives): (T40.7)

†**Percent of Drug Poisoning Deaths with Drug(s) Specified:** Among drug poisoning deaths, deaths that mention the type of drug(s) involved are defined as those including at least one ICD-10 MCD in the range T36-T50.8. See Overview & Limitations section for more information about this statistic.

SUP=Suppressed: Counts and rates are suppressed for subnational data representing 0–9 deaths. **UNR=Unreliable:** Rates are unreliable when the death count <20.

SOURCE: Adapted by the NDEWS Coordinating Center from data taken from the Centers for Disease Control and Prevention, National Center for Health Statistics, Multiple cause of death 1999–2017, available on the CDC WONDER Online Database, released December 2018. Data compiled in the Multiple cause of death 1999–2017 were provided by the 57 vital statistics jurisdictions through the Vital Statistics Cooperative Program. Retrieved between January 24–28, 2019, from <http://wonder.cdc.gov/mcd-icd10.html>

Drug Poisoning Deaths*, by Drug and Year, Philadelphia^, 2013–2017
Number, Crude Rate, and Age-Adjusted Rate*** (per 100,000 population)**

	2013			2014			2015			2016			2017		
	Number (#)	Crude Rate	Age-Adjusted Rate	Number (#)	Crude Rate	Age-Adjusted Rate	Number (#)	Crude Rate	Age-Adjusted Rate	Number (#)	Crude Rate	Age-Adjusted Rate	Number (#)	Crude Rate	Age-Adjusted Rate
Drug Poisoning Deaths	402	25.9	25.8	516	33.1	33.3	568	36.2	36.0	746	47.6	47.7	1,047	66.2	66.5
Opioids[‡]	27	1.7	1.7	41	2.6	2.5	29	1.9	1.7	29	1.8	1.8	45	2.8	3.0
Heroin	12	UNR	UNR	11	UNR	UNR	SUP	SUP	SUP	SUP	SUP	SUP	13	UNR	UNR
Natural Opioid Analgesics	SUP	SUP	SUP	14	UNR	UNR	SUP	SUP	SUP	SUP	SUP	SUP	10	UNR	UNR
Methadone	SUP	SUP	SUP	SUP	SUP	SUP	SUP	SUP	SUP	SUP	SUP	SUP	SUP	SUP	SUP
Synthetic Opioid Analgesics	SUP	SUP	SUP	10	UNR	UNR	SUP	SUP	SUP	18	UNR	UNR	31	2.0	2.1
Benzodiazepines	SUP	SUP	SUP	SUP	SUP	SUP	SUP	SUP	SUP	SUP	SUP	SUP	SUP	SUP	SUP
Benzodiazepines AND Any Opioids	SUP	SUP	SUP	SUP	SUP	SUP	SUP	SUP	SUP	SUP	SUP	SUP	SUP	SUP	SUP
Benzodiazepines AND Heroin	SUP	SUP	SUP	SUP	SUP	SUP	SUP	SUP	SUP	SUP	SUP	SUP	SUP	SUP	SUP
Psychostimulants															
Cocaine	23	1.5	1.5	32	2.1	2.1	14	UNR	UNR	11	UNR	UNR	21	1.3	1.4
Psychostimulants with Abuse Potential	SUP	SUP	SUP	SUP	SUP	SUP	SUP	SUP	SUP	SUP	SUP	SUP	SUP	SUP	SUP
Cannabis (derivatives)	SUP	SUP	SUP	SUP	SUP	SUP	SUP	SUP	SUP	SUP	SUP	SUP	SUP	SUP	SUP
Percent with Drugs Specified[‡]	15.2%			19.0%			10.2%			6.6%			5.2%		

NOTES:
***Drug Poisoning Deaths:** Drug poisoning deaths are defined as deaths with underlying cause-of-death codes from the World Health Organization's (WHO's) International Classification of Diseases, Tenth Revision (ICD-10) of X40-X44, X60-X64, X85, and Y10-Y14. See Overview & Limitations section for additional information on mortality data and definitions of the specific ICD-10 codes listed.
****Drug Poisoning Deaths, by Drug:** Among the deaths with drug poisoning identified as the underlying cause, the specific drugs are identified by ICD-10 multiple cause-of-death (MCD) T-codes (see below). Each death certificate may contain up to 20 causes of death indicated in the MCD field. Thus, the total count across drugs may exceed the actual number of dead persons in the selected population. Some deaths involve more than one drug; these deaths are included in the rates for each drug category.
^Philadelphia: Comprised of Philadelphia County.
*****Age-Adjusted Rate:** Age-adjusted rates are weighted averages of the age-specific death rates, where the weights represent a fixed population by age (2000 U.S. Population). Age adjustment is a technique for removing the effects of age from crude rates, so as to allow meaningful comparisons across populations with different underlying age structures. Age-adjusted rates should be viewed as relative indexes rather than as direct or actual measures of mortality risk. See <http://wonder.cdc.gov/wonder/help/mcd.html> for more information.
±Opioids: Includes any of these MCD codes T40.0-T40.4, or T40.6
 Heroin (T40.1); Natural Opioid Analgesics (T40.2) - Including morphine and codeine, and semi-synthetic opioid analgesics, including drugs such as oxycodone, hydrocodone, hydromorphone, and oxymorphone; Methadone (T40.3); Synthetic Opioid Analgesics (T40.4) - Other than methadone, including drugs such as tramadol and fentanyl; Other and Unspecified Narcotics (T40.6)
Benzodiazepines: (T42.4)
 Benzodiazepines AND Any Opioids (T42.4 AND T40.0-T40.4, or T40.6)
 Benzodiazepines AND Heroin (T42.4 AND T40.1)
Psychostimulants:
 Cocaine (T40.5); Psychostimulants with Abuse Potential [excludes cocaine] (T43.6)
Cannabis (derivatives): (T40.7)
#Percent of Drug Poisoning Deaths with Drug(s) Specified: Among drug poisoning deaths, deaths that mention the type of drug(s) involved are defined as those including at least one ICD-10 MCD in the range T36-T50.8. See Overview & Limitations section for more information about this statistic.

SUP=Suppressed: Counts and rates are suppressed for subnational data representing 0–9 deaths. **UNR=Unreliable:** Rates are unreliable when the death count <20.

SOURCE: Adapted by the NDEWS Coordinating Center from data taken from the Centers for Disease Control and Prevention, National Center for Health Statistics, Multiple cause of death 1999–2017, available on the CDC WONDER Online Database, released December 2018. Data compiled in the Multiple cause of death 1999–2017 were provided by the 57 vital statistics jurisdictions through the Vital Statistics Cooperative Program. Retrieved between January 24–28, 2019, from <http://wonder.cdc.gov/mcd-icd10.html>

Drug Poisoning Deaths*, by Drug and Year, San Francisco^, 2013–2017
Number, Crude Rate, and Age-Adjusted Rate*** (per 100,000 population)**

	2013			2014			2015			2016			2017		
	Number (#)	Crude Rate	Age-Adjusted Rate	Number (#)	Crude Rate	Age-Adjusted Rate	Number (#)	Crude Rate	Age-Adjusted Rate	Number (#)	Crude Rate	Age-Adjusted Rate	Number (#)	Crude Rate	Age-Adjusted Rate
Drug Poisoning Deaths	130	15.5	13.6	164	19.2	16.4	196	22.7	20.1	186	21.4	18.6	184	20.8	18.0
Opioids[‡]	75	9.0	7.7	89	10.4	8.6	95	11.0	9.7	95	10.9	9.5	98	11.1	9.5
Heroin	11	UNR	UNR	22	2.6	2.1	24	2.8	2.4	33	3.8	3.3	34	3.8	3.2
Natural Opioid Analgesics	46	5.5	4.8	52	6.1	5.0	38	4.4	4.2	37	4.2	3.7	42	4.7	4.1
Methadone	20	2.4	2.1	22	2.6	2.2	27	3.1	2.8	28	3.2	2.8	17	UNR	UNR
Synthetic Opioid Analgesics	SUP	SUP	SUP	SUP	SUP	SUP	16	UNR	UNR	21	2.4	2.0	20	2.3	1.8
Benzodiazepines	33	3.9	3.6	27	3.2	2.6	24	2.8	2.3	24	2.8	2.6	23	2.6	2.2
Benzodiazepines AND Any Opioids	28	3.3	3.0	18	UNR	UNR	16	UNR	UNR	19	UNR	UNR	21	2.4	2.0
Benzodiazepines AND Heroin	SUP	SUP	SUP	SUP	SUP	SUP	SUP	SUP	SUP	SUP	SUP	SUP	SUP	SUP	SUP
Psychostimulants															
Cocaine	40	4.8	4.1	53	6.2	5.3	64	7.4	6.2	71	8.2	7.0	62	7.0	6.1
Psychostimulants with Abuse Potential	30	3.6	3.1	41	4.8	4.2	73	8.4	7.6	85	9.8	8.6	73	8.3	7.1
Cannabis (derivatives)	16	UNR	UNR	11	UNR	UNR	SUP	SUP	SUP	SUP	SUP	SUP	SUP	SUP	SUP
Percent with Drugs Specified[‡]	97.7%			98.8%			99.0%			99.5%			97.8%		

NOTES:

***Drug Poisoning Deaths:** Drug poisoning deaths are defined as deaths with underlying cause-of-death codes from the World Health Organization's (WHO's) International Classification of Diseases, Tenth Revision (ICD-10) of X40-X44, X60-X64, X85, and Y10-Y14. See Overview & Limitations section for additional information on mortality data and definitions of the specific ICD-10 codes listed.

****Drug Poisoning Deaths, by Drug:** Among the deaths with drug poisoning identified as the underlying cause, the specific drugs are identified by ICD-10 multiple cause-of-death (MCD) T-codes (see below). Each death certificate may contain up to 20 causes of death indicated in the MCD field. Thus, the total count across drugs may exceed the actual number of dead persons in the selected population. Some deaths involve more than one drug; these deaths are included in the rates for each drug category.

^**San Francisco:** Comprised of San Francisco County.

*****Age-Adjusted Rate:** Age-adjusted rates are weighted averages of the age-specific death rates, where the weights represent a fixed population by age (2000 U.S. Population). Age adjustment is a technique for removing the effects of age from crude rates, so as to allow meaningful comparisons across populations with different underlying age structures. Age-adjusted rates should be viewed as relative indexes rather than as direct or actual measures of mortality risk. See <http://wonder.cdc.gov/wonder/help/mcd.html> for more information.

±**Opioids:** Includes any of these MCD codes T40.0-T40.4, or T40.6

 Heroin (T40.1); Natural Opioid Analgesics (T40.2) - Including morphine and codeine, and semi-synthetic opioid analgesics, including drugs such as oxycodone, hydrocodone, hydromorphone, and oxymorphone; Methadone (T40.3); Synthetic Opioid Analgesics (T40.4) - Other than methadone, including drugs such as tramadol and fentanyl; Other and Unspecified Narcotics (T40.6)

Benzodiazepines: (T42.4)

 Benzodiazepines AND Any Opioids (T42.4 AND T40.0-T40.4, or T40.6)

 Benzodiazepines AND Heroin (T42.4 AND T40.1)

Psychostimulants:

 Cocaine (T40.5); Psychostimulants with Abuse Potential [excludes cocaine] (T43.6)

Cannabis (derivatives): (T40.7)

#**Percent of Drug Poisoning Deaths with Drug(s) Specified:** Among drug poisoning deaths, deaths that mention the type of drug(s) involved are defined as those including at least one ICD-10 MCD in the range T36-T50.8. See Overview & Limitations section for more information about this statistic.

SUP=Suppressed: Counts and rates are suppressed for subnational data representing 0–9 deaths. **UNR=Unreliable:** Rates are unreliable when the death count <20.

SOURCE: Adapted by the NDEWS Coordinating Center from data taken from the Centers for Disease Control and Prevention, National Center for Health Statistics, Multiple cause of death 1999–2017, available on the CDC WONDER Online Database, released December 2018. Data compiled in the Multiple cause of death 1999–2017 were provided by the 57 vital statistics jurisdictions through the Vital Statistics Cooperative Program. Retrieved between January 24–28, 2019, from <http://wonder.cdc.gov/mcd-icd10.html>

Drug Poisoning Deaths*, by Drug and Year, Southeastern Florida (Miami Area)^, 2013–2017**
Number, Crude Rate, and Age-Adjusted Rate* (per 100,000 population)**

	2013			2014			2015			2016			2017		
	Number (#)	Crude Rate	Age-Adjusted Rate	Number (#)	Crude Rate	Age-Adjusted Rate	Number (#)	Crude Rate	Age-Adjusted Rate	Number (#)	Crude Rate	Age-Adjusted Rate	Number (#)	Crude Rate	Age-Adjusted Rate
Drug Poisoning Deaths	550	9.4	9.0	596	10.1	9.7	802	13.3	13.2	1,418	23.4	23.6	1,496	24.3	24.2
Opioids†	256	4.4	4.3	254	4.3	4.2	378	6.3	6.4	808	13.3	13.7	919	14.9	15.1
Heroin	56	1.0	1.0	79	1.3	1.4	176	2.9	3.1	253	4.2	4.3	233	3.8	3.8
Natural Opioid Analgesics	151	2.6	2.5	116	2.0	1.8	119	2.0	1.9	180	3.0	3.0	209	3.4	3.3
Methadone	26	0.4	0.4	17	UNR	UNR	13	UNR	UNR	14	UNR	UNR	26	0.4	0.4
Synthetic Opioid Analgesics	44	0.8	0.7	78	1.3	1.3	145	2.4	2.4	592	9.8	10.1	705	11.4	11.8
Benzodiazepines	105	1.8	1.7	105	1.8	1.7	118	2.0	1.9	146	2.4	2.4	203	3.3	3.3
Benzodiazepines AND Any Opioids	86	1.5	1.4	82	1.4	1.4	84	1.4	1.4	125	2.1	2.2	172	2.8	2.8
Benzodiazepines AND Heroin	13	UNR	UNR	21	0.4	0.4	29	0.5	0.5	37	0.6	0.7	37	0.6	0.6
Psychostimulants															
Cocaine	103	1.8	1.8	111	1.9	1.9	160	2.7	2.7	391	6.4	6.6	428	6.9	7.0
Psychostimulants with Abuse Potential	10	UNR	UNR	16	UNR	UNR	24	0.4	0.4	46	0.8	0.8	55	0.9	0.9
Cannabis (derivatives)	SUP	SUP	SUP	SUP	SUP	SUP	SUP	SUP	SUP	SUP	SUP	SUP	15	UNR	UNR
Percent with Drugs Specified†	71.6%			65.8%			65.3%			70.2%			76.9%		

NOTES:

***Drug Poisoning Deaths:** Drug poisoning deaths are defined as deaths with underlying cause-of-death codes from the World Health Organization's (WHO's) International Classification of Diseases, Tenth Revision (ICD-10) of X40-X44, X60-X64, X85, and Y10-Y14. See Overview & Limitations section for additional information on mortality data and definitions of the specific ICD-10 codes listed.

****Drug Poisoning Deaths, by Drug:** Among the deaths with drug poisoning identified as the underlying cause, the specific drugs are identified by ICD-10 multiple cause-of-death (MCO) T-codes (see below). Each death certificate may contain up to 20 causes of death indicated in the MCO field. Thus, the total count across drugs may exceed the actual number of dead persons in the selected population. Some deaths involve more than one drug; these deaths are included in the rates for each drug category.

^**Southeastern Florida:** Comprised of Broward, Miami-Dade, and Palm Beach Counties.

*****Age-Adjusted Rate:** Age-adjusted rates are weighted averages of the age-specific death rates, where the weights represent a fixed population by age (2000 U.S. Population). Age adjustment is a technique for removing the effects of age from crude rates, so as to allow meaningful comparisons across populations with different underlying age structures. Age-adjusted rates should be viewed as relative indexes rather than as direct or actual measures of mortality risk. See <http://wonder.cdc.gov/wonder/help/mcd.html> for more information.

†**Opioids:** Includes any of these MCO codes T40.0-T40.4, or T40.6

Heroin (T40.1); Natural Opioid Analgesics (T40.2) - Including morphine and codeine, and semi-synthetic opioid analgesics, including drugs such as oxycodone, hydrocodone, hydromorphone, and oxymorphone; Methadone (T40.3); Synthetic Opioid Analgesics (T40.4) - Other than methadone, including drugs such as tramadol and fentanyl; Other and Unspecified Narcotics (T40.6)

Benzodiazepines: (T42.4)

Benzodiazepines AND Any Opioids (T42.4 AND T40.0-T40.4, or T40.6)

Benzodiazepines AND Heroin (T42.4 AND T40.1)

Psychostimulants:

Cocaine (T40.5); Psychostimulants with Abuse Potential [excludes cocaine] (T43.6)

Cannabis (derivatives): (T40.7)

‡**Percent of Drug Poisoning Deaths with Drug(s) Specified:** Among drug poisoning deaths, deaths that mention the type of drug(s) involved are defined as those including at least one ICD-10 MCO in the range T36-T50.8. See Overview & Limitations section for more information about this statistic.

SUP=Suppressed: Counts and rates are suppressed for subnational data representing 0–9 deaths. **UNR=Unreliable:** Rates are unreliable when the death count <20.

SOURCE: Adapted by the NDEWS Coordinating Center from data taken from the Centers for Disease Control and Prevention, National Center for Health Statistics, Multiple cause of death 1999–2017, available on the CDC WONDER Online Database, released December 2018. Data compiled in the Multiple cause of death 1999–2017 were provided by the 57 vital statistics jurisdictions through the Vital Statistics Cooperative Program. Retrieved between January 24–28, 2019, from <http://wonder.cdc.gov/mcd-icd10.html>

Drug Poisoning Deaths*, by Drug and Year, Texas, 2013–2017**
Number, Crude Rate, and Age-Adjusted Rate* (per 100,000 population)**

	2013			2014			2015			2016			2017		
	Number (#)	Crude Rate	Age-Adjusted Rate	Number (#)	Crude Rate	Age-Adjusted Rate	Number (#)	Crude Rate	Age-Adjusted Rate	Number (#)	Crude Rate	Age-Adjusted Rate	Number (#)	Crude Rate	Age-Adjusted Rate
Drug Poisoning Deaths	2,446	9.2	9.3	2,601	9.6	9.7	2,588	9.4	9.4	2,831	10.2	10.1	2,989	10.6	10.5
Opioids[‡]	1,053	4.0	4.0	1,151	4.3	4.3	1,287	4.7	4.7	1,375	4.9	4.9	1,458	5.2	5.1
Heroin	369	1.4	1.4	425	1.6	1.6	523	1.9	1.9	530	1.9	1.9	569	2.0	2.0
Natural Opioid Analgesics	452	1.7	1.7	471	1.7	1.7	473	1.7	1.7	501	1.8	1.8	535	1.9	1.9
Methadone	128	0.5	0.5	116	0.4	0.4	144	0.5	0.5	139	0.5	0.5	129	0.5	0.5
Synthetic Opioid Analgesics	112	0.4	0.4	157	0.6	0.6	186	0.7	0.7	250	0.9	0.9	348	1.2	1.2
Benzodiazepines	299	1.1	1.1	331	1.2	1.2	395	1.4	1.4	494	1.8	1.8	545	1.9	1.9
Benzodiazepines AND Any Opioids	234	0.9	0.9	248	0.9	0.9	315	1.1	1.1	401	1.4	1.4	451	1.6	1.6
Benzodiazepines AND Heroin	27	0.1	0.1	43	0.2	0.2	72	0.3	0.3	99	0.4	0.4	116	0.4	0.4
Psychostimulants															
Cocaine	391	1.5	1.5	411	1.5	1.5	470	1.7	1.7	584	2.1	2.1	694	2.5	2.4
Psychostimulants with Abuse Potential	326	1.2	1.2	377	1.4	1.4	454	1.7	1.7	577	2.1	2.1	653	2.3	2.3
Cannabis (derivatives)	SUP	SUP	SUP	11	UNR	UNR	23	0.1	0.1	28	0.1	0.1	63	0.2	0.2
Percent with Drugs Specified[‡]	75.8%			76.4%			83.8%			86.9%			89.0%		

NOTES:

***Drug Poisoning Deaths:** Drug poisoning deaths are defined as deaths with underlying cause-of-death codes from the World Health Organization's (WHO's) International Classification of Diseases, Tenth Revision (ICD-10) of X40-X44, X60-X64, X85, and Y10-Y14. See Overview & Limitations section for additional information on mortality data and definitions of the specific ICD-10 codes listed.

****Drug Poisoning Deaths, by Drug:** Among the deaths with drug poisoning identified as the underlying cause, the specific drugs are identified by ICD-10 multiple cause-of-death (MCD) T-codes (see below). Each death certificate may contain up to 20 causes of death indicated in the MCD field. Thus, the total count across drugs may exceed the actual number of dead persons in the selected population. Some deaths involve more than one drug; these deaths are included in the rates for each drug category.

*****Age-Adjusted Rate:** Age-adjusted rates are weighted averages of the age-specific death rates, where the weights represent a fixed population by age (2000 U.S. Population). Age adjustment is a technique for removing the effects of age from crude rates, so as to allow meaningful comparisons across populations with different underlying age structures. Age-adjusted rates should be viewed as relative indexes rather than as direct or actual measures of mortality risk. See <http://wonder.cdc.gov/wonder/help/mcd.html> for more information.

‡Opioids: Includes any of these MCD codes T40.0-T40.4, or T40.6
Heroin (T40.1); Natural Opioid Analgesics (T40.2) - Including morphine and codeine, and semi-synthetic opioid analgesics, including drugs such as oxycodone, hydrocodone, hydromorphone, and oxymorphone; Methadone (T40.3); Synthetic Opioid Analgesics (T40.4) - Other than methadone, including drugs such as tramadol and fentanyl; Other and Unspecified Narcotics (T40.6)

Benzodiazepines: (T42.4)
Benzodiazepines AND Any Opioids (T42.4 AND T40.0-T40.4, or T40.6)
Benzodiazepines AND Heroin (T42.4 AND T40.1)

Psychostimulants:
Cocaine (T40.5); Psychostimulants with Abuse Potential [excludes cocaine] (T43.6)

Cannabis (derivatives): (T40.7)

‡Percent of Drug Poisoning Deaths with Drug(s) Specified: Among drug poisoning deaths, deaths that mention the type of drug(s) involved are defined as those including at least one ICD-10 MCD in the range T36-T50.8. See Overview & Limitations section for more information about this statistic.

SUP=Suppressed: Counts and rates are suppressed for subnational data representing 0–9 deaths. **UNR=Unreliable:** Rates are unreliable when the death count <20.

SOURCE: Adapted by the NDEWS Coordinating Center from data taken from the Centers for Disease Control and Prevention, National Center for Health Statistics, Multiple cause of death 1999–2017, available on the CDC WONDER Online Database, released December 2018. Data compiled in the Multiple cause of death 1999–2017 were provided by the 57 vital statistics jurisdictions through the Vital Statistics Cooperative Program. Retrieved between January 24–28, 2019, from <http://wonder.cdc.gov/mcd-icd10.html>

Drug Poisoning Deaths*, by Drug and Year, Wayne County (Detroit Area), 2013–2017**
Number, Crude Rate, and Age-Adjusted Rate* (per 100,000 population)**

	2013			2014			2015			2016			2017		
	Number (#)	Crude Rate	Age-Adjusted Rate	Number (#)	Crude Rate	Age-Adjusted Rate	Number (#)	Crude Rate	Age-Adjusted Rate	Number (#)	Crude Rate	Age-Adjusted Rate	Number (#)	Crude Rate	Age-Adjusted Rate
Drug Poisoning Deaths	386	21.7	21.6	457	25.9	26.2	577	32.8	33.0	674	38.5	38.2	756	43.1	42.7
Opioids[†]	252	14.2	14.1	262	14.8	15.1	415	23.6	24.0	545	31.2	31.0	638	36.4	36.2
Heroin	147	8.3	8.2	166	9.4	9.5	234	13.3	13.7	239	13.7	13.3	290	16.5	16.4
Natural Opioid Analgesics	61	3.4	3.3	67	3.8	3.9	106	6.0	6.2	133	7.6	7.5	119	6.8	6.7
Methadone	23	1.3	1.3	16	UNR	UNR	27	1.5	1.4	28	1.6	1.5	34	1.9	2.0
Synthetic Opioid Analgesics	20	1.1	1.1	39	2.2	2.3	171	9.7	9.9	346	19.8	19.8	467	26.6	26.5
Benzodiazepines	37	2.1	2.1	29	1.6	1.8	83	4.7	4.8	95	5.4	5.5	55	3.1	3.1
Benzodiazepines AND Any Opioids	32	1.8	1.8	24	1.4	1.5	74	4.2	4.3	80	4.6	4.7	45	2.6	2.5
Benzodiazepines AND Heroin	SUP	SUP	SUP	11	UNR	UNR	36	2.0	2.3	23	1.3	1.4	10	UNR	UNR
Psychostimulants															
Cocaine	75	4.2	4.2	78	4.4	4.3	131	7.4	7.4	202	11.5	11.8	236	13.5	13.6
Psychostimulants with Abuse Potential	SUP	SUP	SUP	SUP	SUP	SUP	13	UNR	UNR	18	UNR	UNR	17	UNR	UNR
Cannabis (derivatives)	SUP	SUP	SUP	SUP	SUP	SUP	SUP	SUP	SUP	SUP	SUP	SUP	SUP	SUP	SUP
Percent with Drugs Specified[†]	77.2%			68.9%			82.1%			93.6%			97.1%		

NOTES:

***Drug Poisoning Deaths:** Drug poisoning deaths are defined as deaths with underlying cause-of-death codes from the World Health Organization's (WHO's) International Classification of Diseases, Tenth Revision (ICD-10) of X40-X44, X60-X64, X85, and Y10-Y14. See Overview & Limitations section for additional information on mortality data and definitions of the specific ICD-10 codes listed.

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†**Opioids:** Includes any of these MCD codes T40.0-T40.4, or T40.6

Heroin (T40.1); Natural Opioid Analgesics (T40.2) - Including morphine and codeine, and semi-synthetic opioid analgesics, including drugs such as oxycodone, hydrocodone, hydromorphone, and oxymorphone; Methadone (T40.3); Synthetic Opioid Analgesics (T40.4) - Other than methadone, including drugs such as tramadol and fentanyl; Other and Unspecified Narcotics (T40.6)

Benzodiazepines: (T42.4)

Benzodiazepines AND Any Opioids (T42.4 AND T40.0-T40.4, or T40.6)

Benzodiazepines AND Heroin (T42.4 AND T40.1)

Psychostimulants:

Cocaine (T40.5); Psychostimulants with Abuse Potential [excludes cocaine] (T43.6)

Cannabis (derivatives): (T40.7)

†**Percent of Drug Poisoning Deaths with Drug(s) Specified:** Among drug poisoning deaths, deaths that mention the type of drug(s) involved are defined as those including at least one ICD-10 MCD in the range T36-T50.8. See Overview & Limitations section for more information about this statistic.

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