

**Supplementary Table.** Annual number,\* age-adjusted rate,<sup>†§</sup> and relative change in rates<sup>¶</sup> of drug overdose deaths\*\* involving synthetic opioids other than methadone<sup>††</sup> and psychostimulants with abuse potential<sup>§§¶¶</sup>, by U.S. Census region\*\*\* and state — National Vital Statistics System, United States, 2018 and 2019

Location	Synthetic Opioids						Psychostimulants					
	2018		2019		Rate change from 2018–2019		2018		2019		Rate change from 2018–2019	
	Number	Rate	Number	Rate	Absolute Change	Relative Change	Number	Rate	Number	Rate	Absolute Change	Relative Change
<b>All</b>	<b>31,335</b>	<b>9.9</b>	<b>36,359</b>	<b>11.4</b>	<b>1.5</b>	<b>15.2<sup>†††</sup></b>	<b>12,676</b>	<b>3.9</b>	<b>16,167</b>	<b>5.0</b>	<b>1.1</b>	<b>28.2<sup>†††</sup></b>
<b>Region</b>												
Northeast	10,351	19.1	10,960	20.1	1.0	5.2 <sup>†††</sup>	860	1.6	1,224	2.3	0.7	43.8 <sup>†††</sup>
Midwest	8,348	12.9	9,273	14.3	1.4	10.9 <sup>†††</sup>	2,268	3.6	3,127	4.9	1.3	36.1 <sup>†††</sup>
South	10,443	8.6	12,502	10.3	1.7	19.8 <sup>†††</sup>	4,488	3.7	5,845	4.9	1.2	32.4 <sup>†††</sup>
West	2,193	2.8	3,624	4.7	1.9	67.9 <sup>†††</sup>	5,060	6.3	5,971	7.4	1.1	17.5 <sup>†††</sup>
<b>States</b>												
Alabama	---	---	213	4.7	---	---	---	---	230	5.1	---	---
Alaska	18	---	24	3.2	---	---	52	7.1	64	8.5	1.4	19.7
Arizona	522	7.7	796	11.6	3.9	50.6 <sup>†††</sup>	577	8.4	717	10.1	1.7	20.2 <sup>†††</sup>
Arkansas	92	3.3	115	4.1	0.8	24.2	118	4.3	126	4.5	0.2	4.7
California	865	2.2	1,675	4.2	2.0	90.9 <sup>†††</sup>	2,404	5.8	2,862	6.9	1.1	19.0 <sup>†††</sup>
Colorado	134	2.2	255	4.3	2.1	95.5 <sup>†††</sup>	326	5.6	353	5.9	0.3	5.4
Connecticut	767	22.5	950	27.7	5.2	23.1 <sup>†††</sup>	70	2.2	70	2.3	0.1	4.5
Delaware	296	33.1	343	38.4	5.3	16.0	14	---	28	3.1	---	---
District of Columbia	162	22.6	216	30.2	7.6	33.6 <sup>†††</sup>	11	---	12	---	---	---
Florida	2,091	10.7	2,837	14.4	3.7	34.6 <sup>†††</sup>	592	3.0	825	4.2	1.2	40.0 <sup>†††</sup>
Georgia	349	3.4	419	4.0	0.6	17.6 <sup>†††</sup>	392	3.8	439	4.2	0.4	10.5
Hawaii	14	---	20	1.3	---	---	148	9.9	170	10.9	1.0	10.1
Idaho	28	1.7	32	1.9	0.2	11.8	68	4.0	86	5.0	1.0	25.0
Illinois	1,568	12.4	1,706	13.6	1.2	9.7 <sup>†††</sup>	255	2.1	257	2.1	0.0	0.0
Indiana	713	11.5	899	14.5	3.0	26.1 <sup>†††</sup>	381	6.2	512	8.3	2.1	33.9 <sup>†††</sup>
Iowa	80	2.8	102	3.5	0.7	25.0	97	3.3	159	5.1	1.8	54.5 <sup>†††</sup>
Kansas	50	1.7	75	2.8	1.1	64.7 <sup>†††</sup>	77	2.8	162	5.8	3.0	107.1 <sup>†††</sup>
Kentucky	744	17.9	825	19.9	2.0	11.2 <sup>†††</sup>	362	8.8	459	11.1	2.3	26.1 <sup>†††</sup>
Louisiana	---	---	---	---	---	---	---	---	---	---	---	---
Maine	229	19.8	283	23.3	3.5	17.7	40	3.0	65	5.5	2.5	83.3 <sup>†††</sup>
Maryland	1,825	29.6	1,917	31.1	1.5	5.1	65	1.1	79	1.4	0.3	27.3
Massachusetts	1,806	26.8	1,861	27.5	0.7	2.6	73	1.2	104	1.6	0.4	33.3
Michigan	1,531	16.0	1,458	15.2	-0.8	-5.0	172	1.8	225	2.5	0.7	38.9 <sup>†††</sup>
Minnesota	202	3.7	309	5.7	2.0	54.1 <sup>†††</sup>	167	3.1	242	4.3	1.2	38.7 <sup>†††</sup>
Mississippi	72	2.6	141	5.0	2.4	92.3 <sup>†††</sup>	95	3.4	130	4.6	1.2	35.3
Missouri	868	15.3	886	15.4	0.1	0.7	367	6.4	452	7.9	1.5	23.4 <sup>†††</sup>
Montana	11	---	16	---	---	---	32	3.5	58	5.9	2.4	68.6
Nebraska	26	1.4	27	1.4	0.0	0.0	32	1.7	51	2.7	1.0	58.8
Nevada	85	2.8	114	3.7	0.9	32.1	309	9.6	303	9.5	-0.1	-1.0
New Hampshire	386	31.3	343	27.6	-3.7	-11.8	32	2.7	59	4.7	2.0	74.1
New Jersey	2,219	25.7	2,221	25.4	-0.3	-1.2	142	1.7	203	2.4	0.7	41.2 <sup>†††</sup>
New Mexico	105	5.4	149	7.7	2.3	42.6 <sup>†††</sup>	212	10.9	277	14.4	3.5	32.1 <sup>†††</sup>
New York	2,195	11.2	2,338	12.0	0.8	7.1 <sup>†††</sup>	180	1.0	240	1.3	0.3	30.0 <sup>†††</sup>
North Carolina	1,272	13.0	1,363	13.8	0.8	6.2	258	2.6	338	3.4	0.8	30.8 <sup>†††</sup>
North Dakota	---	---	10	---	---	---	15	---	20	3.1	---	---
Ohio	2,783	25.7	3,117	28.6	2.9	11.3 <sup>†††</sup>	577	5.5	846	8.0	2.5	45.5 <sup>†††</sup>
Oklahoma	79	2.0	81	2.1	0.1	5.0	327	8.5	327	8.5	0.0	0.0

Oregon	97	2.4	95	2.3	-0.1	-4.2	216	5.1	288	6.5	1.4	27.5 <sup>+++</sup>
Pennsylvania	---	---	2,661	22.2	---	---	---	---	454	3.8	---	---
Rhode Island	213	21.0	203	20.0	-1.0	-4.8	15	---	22	2.3	---	---
South Carolina	510	10.8	568	11.7	0.9	8.3	249	5.2	332	7.0	1.8	34.6 <sup>+++</sup>
South Dakota	13	---	24	2.8	---	---	12	---	31	4.0	---	---
Tennessee	827	12.8	1,152	17.7	4.9	38.3 <sup>+++</sup>	463	7.3	651	10.0	2.7	37.0 <sup>+++</sup>
Texas	358	1.2	423	1.5	0.3	25.0 <sup>+++</sup>	802	2.8	1,055	3.7	0.9	32.1 <sup>+++</sup>
Utah	83	2.9	94	3.1	0.2	6.9	228	7.9	224	7.5	-0.4	-5.1
Vermont	106	19.3	100	18.6	-0.7	-3.6	---	---	---	---	---	---
Virginia	852	10.3	993	11.9	1.6	15.5 <sup>+++</sup>	135	1.6	207	2.5	0.9	56.3 <sup>+++</sup>
Washington	221	2.9	337	4.4	1.5	51.7 <sup>+++</sup>	466	6.0	544	6.9	0.9	15.0 <sup>+++</sup>
West Virginia	551	34.0	572	35.9	1.9	5.6	313	19.3	393	24.4	5.1	26.4 <sup>+++</sup>
Wisconsin	506	9.4	660	12.0	2.6	27.7 <sup>+++</sup>	116	2.2	170	3.3	1.1	50.0 <sup>+++</sup>
Wyoming	10	---	17	---	---	---	22	3.9	25	4.5	0.6	15.4

\*State-level analyses of the number of drug overdose deaths involving synthetic opioids excluded one state and involving psychostimulants excluded two states that did not meet the following criteria: 1) >80% of drug overdose death certificates named at least one specific drug in 2019; and 2) ≥10 deaths occurred in 2019 in the specific drug category.

†Rate per 100,000 population age-adjusted to the 2000 U.S. standard population using the vintage year population of the data year. [https://www.cdc.gov/nchs/data/NVSR/NVSR61/NVSR61\\_04.pdf](https://www.cdc.gov/nchs/data/NVSR/NVSR61/NVSR61_04.pdf)

‡State-level analyses comparing death rates from 2018-2019 excluded nine states that did not meet the following criteria: 1) >80% of drug overdose death certificates named at least one specific drug in 2018 and 2019 and 2) ≥20 deaths occurred during 2018 and 2019 in the drug category examined.

§Z-tests were used if the number of deaths was ≥100 in both 2018 and 2019, and a p-value of <0.05 was considered to be statistically significant. Nonoverlapping confidence intervals based on the gamma method were used if the number of deaths was <100 in 2018 or 2019. Note that the method of comparing confidence intervals is a conservative method for statistical significance; caution should be observed when interpreting a nonsignificant difference when the lower and upper limits being compared overlap only slightly.

\*\*Deaths were classified using the International Classification of Diseases, Tenth Revision (ICD-10). Drug overdoses are identified using underlying cause-of-death codes X40–X44 (unintentional), X60–X64 (suicide), X85 (homicide), and Y10–Y14 (undetermined).

†† Drug overdose deaths, as defined, that involve synthetic opioids other than methadone (T40.4).

‡‡ Drug overdose deaths, as defined, that involve psychostimulants with abuse potential (T43.6).

§§ Because deaths might involve more than one drug, some deaths are included in more than one category. In 2019, 6.3% of drug overdose deaths did not include information on the specific type of drug(s) involved.

\*\*\*Northeast: Connecticut, Maine, Massachusetts, New Hampshire, New Jersey, New York, Pennsylvania, Rhode Island, and Vermont; Midwest: Illinois, Indiana, Iowa, Kansas, Michigan, Minnesota, Missouri, Nebraska, North Dakota, Ohio, South Dakota, and Wisconsin; South: Alabama, Arkansas, Delaware, District of Columbia, Florida, Georgia, Kentucky, Louisiana, Maryland, Mississippi, North Carolina, Oklahoma, South Carolina, Tennessee, Texas, Virginia, and West Virginia; West: Alaska, Arizona, California, Colorado, Hawaii, Idaho, Montana, Nevada, New Mexico, Oregon, Utah, Washington, and Wyoming.

+++Statistically significant (p-value<0.05)