

MAINE MONTHLY OVERDOSE REPORT

For June 2024

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Overview

This report documents suspected and confirmed fatal and nonfatal drug overdoses in Maine during June 2024 as well as for the period January 2023–June 2024 (Table 1). The total number of confirmed and suspected fatal overdoses January–June 2024 is 276, 12.1% lower than the total confirmed fatal overdoses for the same period in 2023, 314. The total number of nonfatal overdoses January–June 2024 is 4,276, 16.6% lower than the total confirmed nonfatal overdoses for the same period in 2023, 5,129. During June 2024, the proportion of fatal overdoses averaged 5.7% of total overdoses. Monthly proportions of 2024 fatalities fluctuated from a low of 5.0% in May to a high of 7.2% in March. During the first half of 2024, fatal overdoses constituted 6.1% of all overdoses, the same as January–June 2023.

Data derived from multiple statewide sources were compiled and deduplicated to calculate fatal and nonfatal overdose totals (Table 1). These include nonfatal overdose incidents reported by hospital emergency departments (ED), nonfatal emergency medical service (EMS) responses without transport to the ED, overdose reversals reported by law enforcement in the absence of EMS, and overdose reversals reported by community members or agencies receiving state-supplied naloxone through the Maine Naloxone Distribution Initiative. There are also an unknown number of private overdose reversals that were not reported and an unknown number of community-reported reversals that may have overlapped with emergency response by EMS or law enforcement. The total number of fatal overdoses in this report includes those that have been confirmed, as well as those that are suspected but not yet confirmed for January, February, March, April, May, and June 2024 (see Figure 1).

The total number of suspected and confirmed fatal overdoses and reported nonfatal overdoses for June 2024, 829, is displayed in Table 1 near the bottom row. Of those 829, there were 47 (5.7%) confirmed and suspected fatal overdoses, 337 (40.7%) nonfatal emergency department visits, 232 (28.0%) nonfatal EMS responses not transported to the emergency department, 202 (24.4%) reported community overdose reversals, and 11 (1.3%) law enforcement reversals in incidents that did not include EMS.

Figure 1. Suspected and confirmed fatal overdoses, all drugs, January 2023 through June 2024

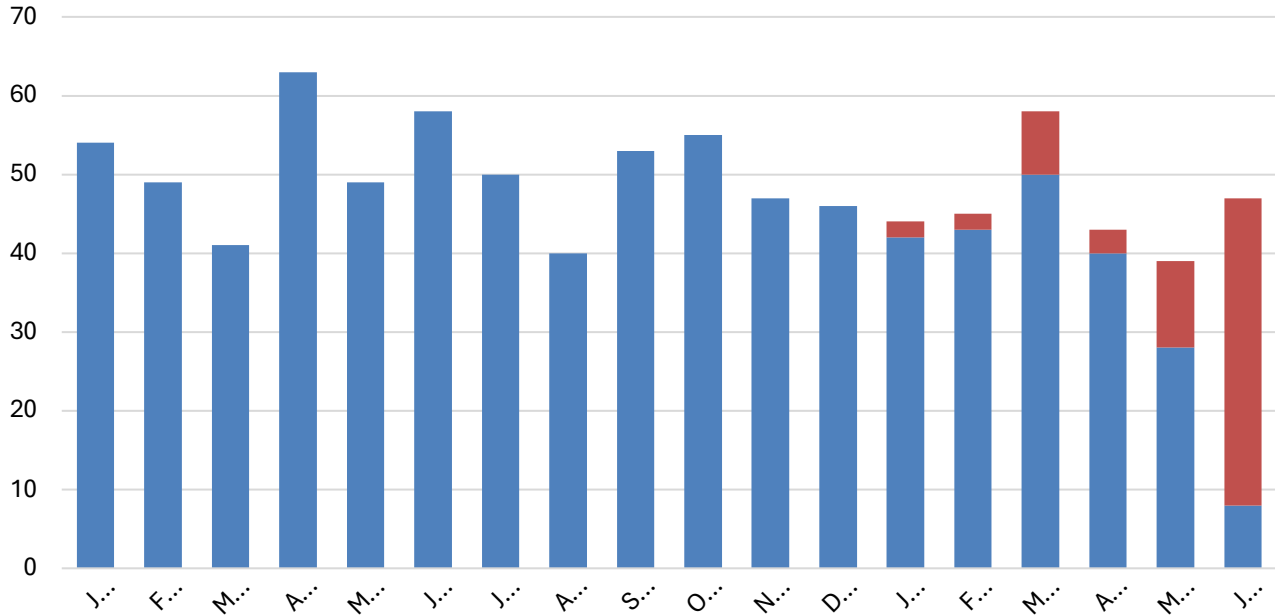


Table 1: Composite reported overdose totals, all drugs, January 2023–June 2024

	Nonfatal				Total nonfatal overdoses	Total confirmed and suspected fatal overdoses	Total overdoses
	Emergency Dept.	EMS not transported to emergency	Community reversals with naloxone	Law enforcement nonfatal overdose response without EMS			
January 2023	296	238	184	48	766	54	820
February 2023	348	204	192	30	774	49	823
March 2023	382	260	237	54	933	41	974
April 2023	270	232	202	29	733	63	796
May 2023	295	238	165	47	745	49	794
June 2023	378	232	219	35	864	58	922
July 2023	340	307	173	34	854	50	904
August 2023	330	266	152	22	770	40	810
September 2023	390	256	141	26	813	53	866
October 2023	317	274	147	17	754	55	809
November 2023	255	214	101	20	590	47	637
December 2023	325	202	129	23	678	46	724
2023 YTD total	3926	2921	2042	385	9274	605	9879
% of 2023 YTD total	40.6%	28.0%	21.1%	4.0%	93.9%	6.1%	100%
January 2024	268	226	139	9	642	44	686
February 2024	306	242	136	20	704	45	749
March 2024	379	233	119	13	744	58	802

April 2024	253	205	190	10	658	43	701
May 2024	309	256	165	16	746	39	785
June 2024	337	232	202	11	782	47	829
2024 YTD total	1852	1394	951	79	4276	276	4552
% of 2024 YTD total	40.7%	30.6%	20.9%	1.7%	93.9%	6.1%	100%

Law Enforcement Response to Fatal and Nonfatal Overdose Incidents

Due to the method used to deduplicate nonfatal overdose incidents to derive a composite number of overdoses for the month, the total activity of both law enforcement officials and EMS agencies is underrepresented in Table 1 because of the overlap between them. The process used to deduplicate overdoses begins by removing fatal overdoses from the emergency department and EMS overdose incidents. Then the number of patients transported to emergency departments by Maine EMS are removed from the EMS overdose incidents. Finally, EMS involvement and fatal overdose incidents are removed from law enforcement responses.

Table 2 shows the public safety response to fatal and nonfatal overdose events in January–June 2024 as well as January–December 2023. During January–June 2024, law enforcement officers responded to a reported 668 overdose incidents (256 fatal; 412 nonfatal), and Maine EMS responded to a reported 4,905 incidents (218 fatal; 4,687 nonfatal). During 2023, law enforcement officers responded to a reported 1,615 incidents (562 fatal; 1,053 nonfatal), and Maine EMS responded to a reported 10,316 incidents (478 fatal; 9,838 nonfatal).

Table 2: Fatal and nonfatal overdose emergency response counts from law enforcement and EMS, including overlapping cases

	Fatal overdose response Jan–Dec 2023	Nonfatal overdose response Jan–Dec 2023	Total overdose response Jan–Dec 2023	Fatal overdose response Jan–Jun 2024	Nonfatal overdose response Jan–Jun 2024	Total Overdose Response Jan–Jun 2024
Maine EMS	478	9838	10316	218	4687	4905
Law Enforcement	562	1053	1615	256	412	668

*Please note numbers will fluctuate from month to month as public safety agencies catch up their reporting. Due to methodological convention, alcohol-only cases are excluded from this table. However, we recognize that alcohol is a large part of substance misuse epidemic. Cases with both drugs and alcohol are included. Please note these numbers may fluctuate higher than the data in Table 1. This is due to the fact that some EMS overdoses responses, once the patient is transported to the hospital, are deemed to be non-overdose emergencies such as cardiac arrest or diabetic coma.

County Distribution of Suspected Nonfatal Overdoses with EMS Response

Table 3 shows the frequency distribution of nonfatal overdoses to which EMS responded at the county level. Overdose reversal totals reported by community partners and emergency departments are not reported by county; only EMS case data include county frequencies. The May 2024 monthly totals in the far right column can be compared to the percentage of the census population on the far left, the percentage of nonfatal overdoses for the year in 2023, or the January–June 2024 year-to-date total. Caution must be exercised viewing single counties, especially for a single month, due to small numbers. These may fluctuate randomly, without reflecting any statistically significant trend.

January–June 2024 percentage totals for most counties fall within 0 to 1 percentage points of

the 2020 census distribution. Compared to the 2020 census proportion, Cumberland County is 3 percentage points higher, Androscoggin County and Penobscot County are 2 percentage points higher, and York County is 5 percentage points lower.

Table 3: County of EMS incident among suspected and confirmed nonfatal overdoses

	% 2020 estimated Census population	Jan–Dec 2023 Est. N = 9838		Jan–Jun 2024 Est. N = 4687		Jun 2024 Est. N = 803	
Androscoggin	8%	1009	10%	473	10%	86	11%
Aroostook	5%	485	5%	280	6%	39	5%
Cumberland	22%	2309	23%	1185	25%	207	26%
Franklin	2%	160	2%	76	2%	8	1%
Hancock	4%	276	3%	131	3%	30	4%
Kennebec	9%	963	10%	452	10%	68	8%
Knox	3%	327	3%	139	3%	31	4%
Lincoln	3%	227	2%	82	2%	12	1%
Oxford	4%	397	4%	179	4%	30	4%
Penobscot	11%	1351	14%	596	13%	99	12%
Piscataquis	1%	114	1%	51	1%	8	1%
Sagadahoc	3%	151	2%	75	2%	15	2%
Somerset	4%	471	5%	228	5%	35	4%
Waldo	3%	220	2%	101	2%	18	2%
Washington	2%	215	2%	106	2%	17	2%
York	16%	1163	12%	533	11%	100	12%

*EMS nonfatal overdose counts include incidents where a patient may have died after admission to the ED. Please note numbers will fluctuate from month-to-month as public safety agencies catch up their reporting. Due to methodological convention, alcohol-only cases are excluded from this table. However, we recognize that alcohol is a large part of substance misuse epidemic. Cases with both drugs and alcohol are included.

Age and Gender Distribution of Suspected Nonfatal Overdoses with EMS Response

Table 4 displays the age composition of individuals suspected of experiencing nonfatal overdoses involving EMS response in June 2024, January–June 2024, as well as January–December 2023. Overdose reversal totals reported by community partners and emergency departments are not categorized and reported by age; only EMS case data include monthly age frequencies. Age group totals can be compared to the 2020 census proportion in the far left column. Caution must be exercised as the small number of cases in each month is vulnerable to random fluctuation that may not reflect a significant statistical trend. The age distribution for both 2023 and 2024 year to date compared to the 2020 census proportion shows a disproportionately large impact of suspected nonfatal overdose victims with EMS involvement for those aged 25–54. This impact is illustrated by looking at the 25–54 year age groups, which comprise 36% in the 2020 census compared to 64% in the overdose population during 2023 and 61% in during the first six months of 2024. In 2024 there are 14 percentage points fewer overdose victims among those under the age of 18 compared to the percentage of the census population in that age group.

Similarly, there were 3 percentage points fewer overdose victims among those aged 55–64, and 11 percentage points fewer overdose victims among those 65 and older compared to the percentages of the census population for those age groups.

Table 4: Reported age group among suspected nonfatal overdose victims involving EMS response

	% 2020 estimated Census population	Jan–Dec 2023 Est. N = 9775		Jan–Jun 2024 Est. N = 4714		Jun 2024 Est. N = 811	
< 18	18%	402	4%	206	4%	37	5%
18-24	7%	903	9%	452	10%	70	9%
25-34	12%	2083	21%	910	19%	126	16%
35-44	12%	2603	27%	1205	26%	216	27%
45-54	12%	1522	16%	753	16%	143	18%
55-64	16%	1317	13%	622	13%	103	13%
> 64	23%	945	10%	566	12%	116	14%

Table 5 displays the reported gender of individuals experiencing nonfatal overdoses involving EMS response in June 2024, January–June 2024, as well as January–December 2023. Overdose reversal totals reported by community partners and emergency departments are not categorized by gender; only EMS case data include monthly gender categories. Gender group totals can be compared to the 2020 census proportion by age group in the far left column or the January–December 2023 totals in the center column. When comparing the January–June 2024 with 2023, as well as the census population proportion, caution must be exercised as the small number of cases in each month is vulnerable to random fluctuation that may not reflect a significant statistical trend. Males represent 49% of the 2020 estimated census population and 59% of the nonfatal overdose victims with EMS involvement during January–June 2024.

Table 5: Reported gender among suspected nonfatal overdose victims involving EMS response

	% 2020 estimated Census population	Jan–Dec 2023 Est. N = 9794		Jan–Jun 2024 Est. N = 4527		Jun 2024 Est. N = 777	
Male	49%	5970	61%	2673	59%	444	57%
Female	51%	3798	39%	1853	41%	333	43%
Transgender	Not collected	26	<1%	1	0%	0	0%

County Distribution of Suspected and Confirmed Fatal Overdoses

Table 6 shows the frequency distribution of fatal overdoses at the county level.¹ The June 2024 monthly totals in the far right column can be compared either to the percentage of the census population in the far left column, the percentage of county fatal overdoses for 2023, or the January–June 2024 year-to-date percentages. Caution must be exercised when viewing single counties with small numbers for a single month. These may fluctuate randomly, without reflecting any significant statistical trend. The January–June 2024 percentages for most counties fall within 0 to 1 percentage points of the 2020 census distribution. Compared to the 2020 census proportion, Aroostook County is 4 percentage points higher, and Knox County is 2 percentage points higher, York

¹This table reports the county of death rather than the county of residence.

County is 4 percentage points lower, Cumberland County, Hancock County, and Sagadahoc County are 2 percentage points lower.

Table 6: County of death among suspected and confirmed fatal overdoses

	% 2020 estimated Census population	Jan–Dec 2023 Est. N = 603		Jan–Jun 2024 Est. N = 276		Jun 2024 Est. N = 47	
Androscoggin	8%	69	11%	25	9%	3	6%
Aroostook	5%	39	6%	25	9%	2	4%
Cumberland	22%	116	19%	55	20%	15	32%
Franklin	2%	6	1%	2	1%	0	0%
Hancock	4%	22	4%	6	2%	1	2%
Kennebec	9%	60	10%	26	9%	3	6%
Knox	3%	16	3%	14	5%	2	4%
Lincoln	3%	7	1%	9	3%	1	2%
Oxford	4%	25	4%	12	4%	2	4%
Penobscot	11%	91	15%	33	12%	5	11%
Piscataquis	1%	17	3%	3	1%	0	0%
Sagadahoc	3%	7	1%	4	1%	1	2%
Somerset	4%	29	5%	14	5%	4	9%
Waldo	3%	10	2%	11	4%	0	0%
Washington	2%	25	4%	8	3%	1	2%
York	16%	64	11%	29	11%	7	15%

Age and Sex Distribution of Fatal Overdose Victims

Table 7 displays the age and sex composition² of the fatal overdose population for June 2024, January–June 2024, and January to December 2023, compared to the 2020 estimated census population. When comparing the June 2024 data with 2023 as well as the census population proportion, caution must be exercised as the small number of cases in each month is vulnerable to random fluctuation that may not reflect a significant statistical trend. The cumulative proportion of males is lower in January–June 2024 (67%) compared to January–December 2023 (73%).

The age distribution for 2024 compared to the 2020 census population shows a disproportionately large impact of fatal overdoses in those aged 35–64, as was true in 2023. That group includes 36% of the 2020 estimated census population, compared to 77% in the fatal overdose population in 2023 and 65% during January–June 2024. Compared to the census population, in 2024 year to date, there were 3 percentage points fewer fatal overdoses among those aged 18–24 and 16 percentage points fewer among those 65 and older compared to the census estimated population for those age groups.

There were, however, differences between the age structures of the nonfatal overdoses (Table 4) and the fatal overdoses. In 2024 year to date, the highest proportion of overdoses was among those aged 35–44 (26% among nonfatal and 28% among fatal) The second highest age group for nonfatal overdoses was 25–34 (19%) among nonfatal, but 45–54 among the fatal overdoses (27%).

² Note that death certificate reports sex as male or female without other gender categories.

Table 7: Decedent reported age group and sex among suspected and confirmed fatal overdoses*

	% 2020 estimated Census population	Jan–Dec 2023 Est. N = 605		Jan–Jun 2024 Est. N = 276		Jun 2024 Est. N = 47	
Male	49%	440	73%	184	67%	30	64%
< 18	18%	3	0%	3	1%	0	0%
18–24	7%	28	5%	10	4%	1	2%
25–34	12%	85	14%	31	11%	5	11%
35–44	12%	198	33%	78	28%	12	26%
45–54	12%	135	22%	74	27%	17	36%
55–64	16%	118	20%	61	22%	9	19%
> 64	23%	38	6%	19	7%	3	6%

*Percentages may not total 100 due to rounding.

Table 8 displays the reported race and ethnicity of confirmed and suspected fatal overdoses in June 2024, January–June 2024, and January–December 2023 compared to the 2020 estimated census population. Note that race and ethnicity are not finalized until the full death certificate is entered into Vital Records, and a small number of decedents’ records currently lack information about these variables. Out of 262 decedents for whom race was reported January–June 2024, 92% of the victims were identified as White, 0% as Black/African American, and 2% as American Indian/Alaska Native. Out of 262 decedents for whom Hispanic ethnicity status was reported, 3% were identified as Hispanic.

Table 8: Decedent race and ethnicity among suspected and confirmed fatal overdoses*

	% 2020 Estimated Census Population: Race & Hispanic/Latinx Ethnicity	Jan–Dec 2023 Race N = 604 Ethnicity N = 588		Jan–Jun 2024 Race N = 270 Ethnicity N = 262		Jun 2024 Race Est. N = 43 Ethnicity Est. N = 40	
White alone, non-Hispanic	91%	550	91%	248	92%	39	91%
Black/African American alone, non-Hispanic	2%	24	4%	0	0%	0	0%
American Indian/Alaska Native, non-Hispanic	1%	12	2%	6	2%	0	0%
Other race and 2+ races combined, non-Hispanic	7%	11	2%	7	3%	3	7%
Hispanic/Latinx alone or in combination	2%	7	1%	9	3%	1	3%

*Race and ethnicity data for some cases are unavailable until drug deaths are confirmed. †Percentages may not total 100 due to rounding.

Military Status and Housing Stability of Fatal Overdose Victims

Out of the 272 cases for which military background was reported January–June 2024, 13 (5%) were identified as having a military background. Out of the 43 cases in June 2024 where military background was reported, 2 (5%) were identified as having a military background.

Of the 276 total suspected and confirmed fatal overdose cases year to date in 2024, undomiciled or transient housing status was reported for 34 (12%) victims. Among those 34, the largest proportions of undomiciled persons were found in Cumberland County (11, 32%), Androscoggin County (8, 24%) and Penobscot County (5, 15%). In June 2024, 4 fatal overdose

victims (9%) were identified as undomiciled.

Basic Incident Patterns of Fatal Overdoses

Table 9 reports basic incident patterns for fatal overdoses. June 2024 can be compared to 2023 as a whole or to January–June year to date totals. Caution must be exercised interpreting a single month of data as numbers may fluctuate randomly and not reflect a statistically significant trend. In addition, data totals may change slightly as suspected cases are confirmed or eliminated.

Both EMS and police responded together to most fatal overdoses (72%) in 2024 year to date. Law enforcement was more likely to respond to a scene alone (21%) than EMS (7%). The overwhelming majority (93%) of confirmed fatal drug overdoses were ruled as, or suspected of being, accidental manner of death.

Of the 231 confirmed or suspected fatal overdoses in 2024, 85 (31%) had a history of prior overdose.

Although most cases had bystanders or witnesses present at the scene by the time first responders arrived, the details about who was present at the time of the overdose were frequently unclear. However, responding family and friends or other bystanders administered naloxone for 36 (13%) of the 2024 fatal overdoses, the same proportion as in 2023. Often, EMS and/or law enforcement administered naloxone in addition to bystanders or witnesses. During 2024, 26% of suspected and confirmed fatal overdose cases had naloxone administered at the scene by EMS, bystanders, and/or law enforcement. This rate is also the same as in 2023 (26%).

Of the 218 suspected or confirmed drug death cases with EMS involvement during 2024, 111 (51%) victims were already deceased when EMS arrived. In the remaining 107 (49%) cases, resuscitation was attempted either at the scene or presumably in the ambulance during transport to the emergency room. One case had an unreported response once EMS arrived. Of those 107 who were still alive when EMS arrived, 40 (37%) were transported, and 66 (62%) did not survive to be transported. Thus, out of 218 ultimately fatal cases with EMS response, only 40 (18%) remained alive long enough to be transported but died during transport or at the emergency room. This outcome is likely due to a combination of the high number of cases with fentanyl as a cause of death and individuals using alone. Fentanyl acts more quickly than other opioids, and there is less time for bystanders to find an overdose victim alive, administer naloxone, and call 911.

Table 9: Incident characteristics among suspected and confirmed fatal overdoses

	Jan–Dec 2023 Est. N = 605		2024 Jan–Jun Est. N = 276		Jun 2024 Est. N = 47	
EMS response alone	36	6%	19	7%	7	15%
Law enforcement alone	120	20%	58	21%	8	17%
EMS and law enforcement	441	73%	198	72%	32	68%
Private transport to Emergency Dept.	5	1%	0	0%	0	0%
Naloxone administration reported at the scene	155	26%	72	26%	12	26%
Bystander only administered	39	6%	27	10%	5	11%
Law enforcement only administered	15	2%	5	2%	1	2%
EMS only administered	43	7%	23	8%	3	6%
EMS and law enforcement administered	10	2%	1	<1%	0	0%
EMS and bystander administered	30	5%	5	2%	0	0%

Law enforcement and bystander administered	8	1%	3	1%	0	0%
EMS, bystander, and law enforcement administered	4	1%	1	<1%	0	0%
Naloxone administered by unspecified person	3	<1%	3	1%	2	4%
History of prior overdose	204	34%	85	31%	10	21%

Table 10 displays the frequencies of the most prominent drug categories causing death among confirmed drug deaths. As expected, within the confirmed drug death cases so far in 2024, nonpharmaceutical fentanyl was the most frequent cause of death, mentioned on the death certificate of 160 (76%) victims.

Fentanyl is nearly always found in combination with multiple other drugs. Heroin involvement, declining rapidly in recent years, was reported as a cause of death in 6 (3%) of 2024 year-to-date deaths and 12 (2%) of 2023 deaths. Xylazine and nonpharmaceutical tramadol were identified as co-intoxicants with fentanyl for the first time in 2021. Among 211 confirmed deaths in 2024, there were 34 cases (16%) with xylazine listed in addition to fentanyl as a cause of death, and 1 case (<1%) with tramadol listed along with fentanyl.

Stimulants continue to increase as a cause of death, usually in combination with other drugs, particularly fentanyl. Cocaine-involved fatalities constituted 87 (41%) of confirmed cases so far in 2024, higher than 2023 (37%) and an increase from 29% in 2022. Fentanyl is mentioned as a cause in combination with cocaine in 68 cases, 78% of 2024 year-to-date cocaine cases. Methamphetamine was cited as a cause of death in 77 (36%) of the confirmed fatal overdoses so far in 2024, higher than in 2023 (33%); 65 (84%) of the methamphetamine deaths also involved fentanyl as a co-intoxicant cause of death. Cocaine and methamphetamine are named together on 18 (9%) death certificates in 2024, in most of those cases (16, 89%) as co-intoxicants of fentanyl.

Table 10: Key drug categories and combinations causing death among confirmed overdoses

Cause of death (alone or in combination with other drugs) Sample size for confirmed cases only	Jan–Dec 2023 Est. N = 605		Jan–Jun 2024 Est. N = 211		Jun 2024 Est. N = 8	
Fentanyl or fentanyl analogs	472	78%	160	76%	5	63%
Heroin	12	2%	6	3%	1	13%
Cocaine	226	37%	87	41%	3	38%
Methamphetamine	198	33%	77	36%	3	38%
Pharmaceutical opioids**	108	18%	34	16%	1	13%
Fentanyl and heroin	12	2%	6	3%	1	13%
Fentanyl and cocaine	192	32%	68	32%	1	13%
Fentanyl and methamphetamine	163	27%	65	31%	2	25%
Fentanyl and xylazine	60	10%	34	16%	0	0%
Fentanyl and tramadol	3	<1%	1	<1%	0	0%

**Nonpharmaceutical tramadol is now being combined with fentanyl in pills and powders for illicit drug use. When found in combination with fentanyl, and in the absence of a known prescription, tramadol is categorized as a nonpharmaceutical opioid.

Highlight of the Month

Comparing Maine’s Rapidly Reported Overdose Statistics to Federal Totals

In order to do rapid reporting of Maine’s overdose totals, we utilize slightly different totals than the final totals reported by the U.S. Centers for Disease Control, National Center for Health Statistics. Maine’s Monthly Overdose Report differs in the following ways:

- **Includes all non-homicidal manners of death.** In order to provide rapid monthly totals for Maine, we include all suspected and confirmed overdoses of any intent, identified before the medical examiner makes final decisions about cause and manner of death. This includes all non-homicidal manners of death: accidental (unintentional), suicidal, and undetermined intent. Final determination of the manner of death by the medical examiner occurs only after all postmortem tests have been done, including the toxicology testing, which can take months. The federal totals exclude suicides when reporting drug overdose statistics.
- **Includes “occurrent” rather than “resident” deaths.** Maine’s rapid monthly overdose reports count any overdose that occurs in the state, regardless of whether the decedent was a Maine resident, that is “occurrent” deaths. The federal totals by contrast include only “resident” deaths, that is Maine deaths wherever they occur. In order to do this, the National Center for Health Statistics needs to inspect deaths from all states and sort them according to residence. These final federal tallies generally take about two years following the death.
- **Maine’s monthly totals are not “age-adjusted.”** In order to be able to compare death rates between states, the National Center for Health Statistics performs age-adjustment calculations on the totals. Maine, for example, has an older population than other states. Without an age adjustment, Maine totals would tend to be larger due to the proportionally higher number of persons dying due to their older age.
- **The most recent national death age-adjusted overdose statistics available across all states for state residents are for calendar year 2022.**

Comparisons Between New England States

The National Center for Health Statistics has compared changes in overdose death totals among states using “provisional” totals of “occurrent” deaths submitted by states (see Figure 1b, <https://www.cdc.gov/nchs/nvss/vsrr/drug-overdose-data.htm>). In these comparisons each state is compared to itself to calculate the percent increase or decrease. The totals used are “occurrent” overdose death totals and are not age adjusted; they do exclude suicides. And they are “provisional,” likely to change slightly as final data are submitted, residential status is considered, and age adjustments are done.

Reductions in overdose deaths for New England states from February 2023 to February 2024 are as follows, ranked from highest percent reduction to lowest: ME -19.9%; MA -15.1%; CT -13.9%; NH -12.9%; DE -9.9%; VT -8.9%; RI -6.4%.

Background Information about this Report

This report, funded jointly by the Maine Office of Attorney General and the Office of Behavioral Health,¹ provides an overview of statistics regarding suspected and confirmed fatal and nonfatal drug overdoses each month. Data for the fatal overdoses were collected at the Office of Chief Medical Examiner and data regarding nonfatal overdoses were contributed by the Maine CDC, Maine Emergency Medical Services, Maine ODMAP initiative, Maine Naloxone Distribution Initiative, and Office of Attorney General Naloxone Distribution. Year-to-date numbers are updated as medical examiner cases are finalized, and their overdose status is confirmed or ruled out, and as occasional lagged EMS, ED, and ODMAP data totals are finalized. The totals are expected to shift as case completion occurs. In addition, due to the small sample size in each month, we expect totals to fluctuate from month to month because of random variation. The monthly reports are posted on mainedrugdata.org.

A “drug death” is confirmed when one or more drugs are mentioned on the death certificate as a cause or significant contributing factor for the death. Most drug-induced fatalities are accidents related primarily to drug lethality, the unique vulnerability of the drug user, such as underlying medical conditions, and the circumstances surrounding drug use during that moment.

A “suspected” drug fatality is identified by physiological signs of overdose as well as physical signs at the scene and witness information. To be confirmed as a drug death, the medical examiner must have issued a final death certificate which includes the names of the specific drugs. A forensic toxicology exam must also have been done, which includes a minimum of two toxicology tests, one to screen for drugs present, and another that will quantify the levels of drugs in the decedent’s system. All cases receive a thorough external examination and comprehensive toxicology tests. In some cases, a complete autopsy is also done. Additional data, such as medical records and police incident reports are also collected. Normally cases are completed within one month; however, due to recent problems being experienced by our national toxicology testing service, completion of cases is occurring at about 6–8 weeks after death, and occasionally longer.

By highlighting drug deaths at the monthly level, this report brings attention to the often-dramatic shifts in totals that can occur from month to month. These fluctuations are common with small numbers and will tend toward an average over time. Whereas the overall number of overdose deaths are a critical indicator of individual and societal stress, this metric itself can be quite resistant to public policy interventions due to its complexity. Overdose fatalities occur because of multiple unique and interacting factors, as mentioned above. For that reason, these reports will seek to monitor components that can be directly affected by specific public health education and harm reduction interventions. The statistics in this report reflect both suspected and confirmed “occurrent” deaths, that is, deaths that occur in the State of Maine, even though they may not be Maine residents. These totals also do not include Maine residents who die in other states. For these reasons, totals will differ slightly from the statistics reported by the National Center for Health Statistics, which reports only confirmed “resident” deaths. In addition, due to recently reported updates of toxicology results and newly confirmed or eliminated drug death cases, both the 2021 and 2022 statistics have changed slightly from those reported in the previous monthly report.

¹ The Office of Attorney General supports ongoing research on fatal overdoses by the University of Maine. Additionally, the Overdose Data to Action cooperative agreement from the U.S. Centers for Disease Control & Prevention also provides funding to the State of Maine’s Office of Behavioral Health and Maine Center for Disease Control, which also supports University programs involving fatal and nonfatal overdoses surveillance and enables the collection of nonfatal metrics included in this report. The conclusions in this report do not necessarily represent those of the U.S. Centers for Disease Control and Prevention.