
QUARTER 4: 2024

Ohio Unintentional Drug Overdose Deaths: Preliminary Data Summary

*2024 data is incomplete. Data presented through December 2024.



Department of
Health

Preliminary* Data Summary: Ohio Unintentional Drug Overdose Deaths

This preliminary data summary has been developed to provide recent trends in unintentional drug overdose deaths using preliminary 2024 vital statistics mortality data. This summary will be updated quarterly as additional mortality data for 2024 is received. The previously published 2023 [Ohio Drug Overdose report](#) provides more detailed information about finalized data.

***2024 data is incomplete. Data presented through December 2024.**

Data Notes

Coroners have six months to complete death investigations and report death certificates. Therefore, valid state vital statistics data indicating cause of death for 2024 deaths is incomplete, most notably for recent months.

Mortality data in this summary comes from the Ohio Department of Health (ODH) Bureau of Vital Statistics. Analysis was conducted by the ODH Violence and Injury Epidemiology and Surveillance Section. Data presented below includes Ohio residents who died due to unintentional drug overdose (underlying cause of death International Classification of Diseases, Tenth Revision [ICD-10] codes X40-X44).

Multiple drugs are usually involved in overdose deaths. Therefore, when classifying deaths according to drug involvement, individual deaths may be reported in more than one drug category (Figures 2-3; Table 2). Fentanyl includes fentanyl and fentanyl analogs (e.g., carfentanyl). Psychostimulants include methamphetamine and other psychostimulants with potential for abuse (ICD-10 code T43.6). Natural and semi-synthetic opioids (e.g., oxycodone, hydrocodone) correspond to code T40.2.

This data reflects new national standards used in the creation of race categories. Caution should be used when comparing data to that of previous reports using a different methodology to categorize race.

*Preliminary data for 2024 was updated on July 1, 2025.

Quarterly Trends

FIGURE 1. Number of Unintentional Drug Overdose Deaths by Quarter and Year, Ohio, 2020-2024*

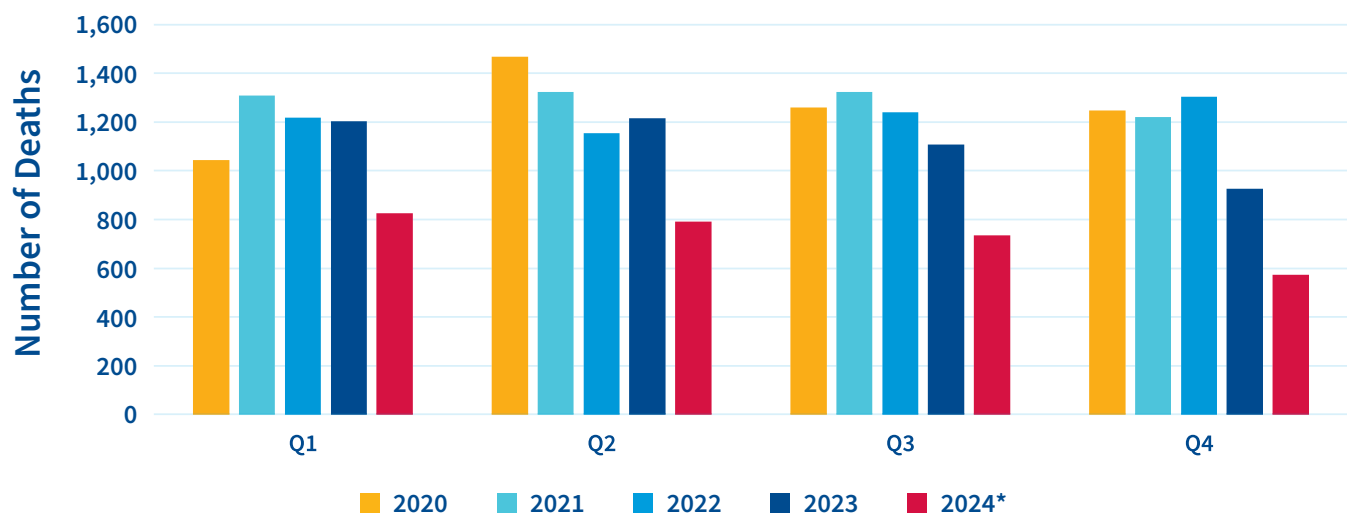


TABLE 1. Number of Unintentional Drug Overdose Deaths by Quarter, Ohio, 2020-2024*

Quarter	2020	2021	2022	2023	2024*
	Number	Number	Number	Number	Number
Q1	1,043	1,309	1,217	1,202	826
Q2	1,468	1,323	1,155	1,215	791
Q3	1,259	1,322	1,240	1,108	736
Q4	1,247	1,220	1,303	927	574
Total	5,017	5,174	4,915	4,452	2,927

FIGURE 2. Number of Unintentional Drug Overdose Deaths Involving Fentanyl by Quarter, Ohio, 2022-2024*

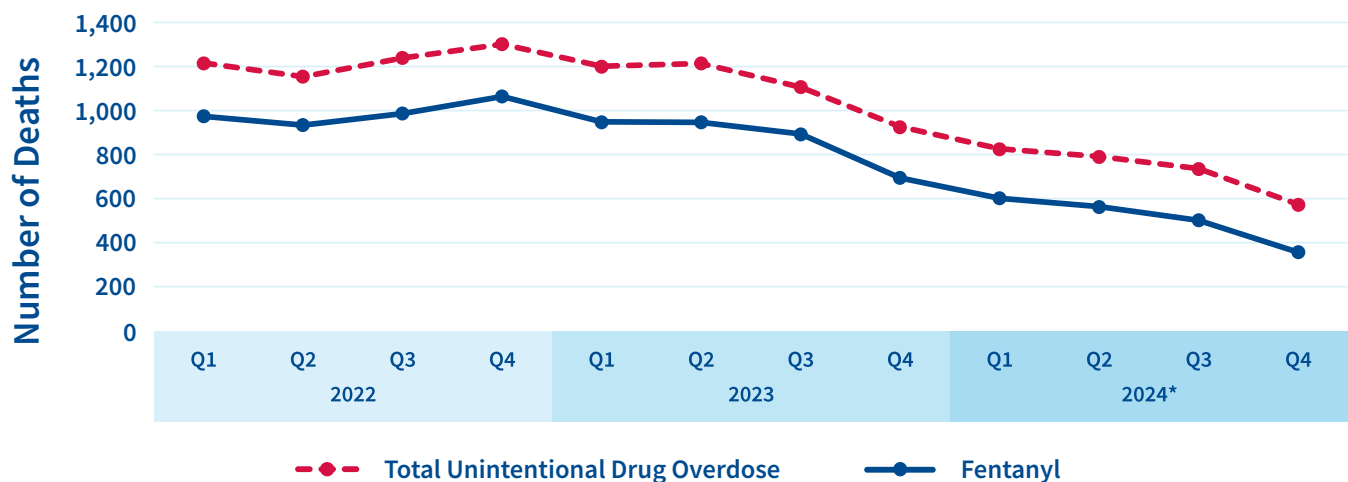


FIGURE 3. Number of Unintentional Drug Overdose Deaths Involving Select Drugs by Quarter, Ohio, 2022-2024*

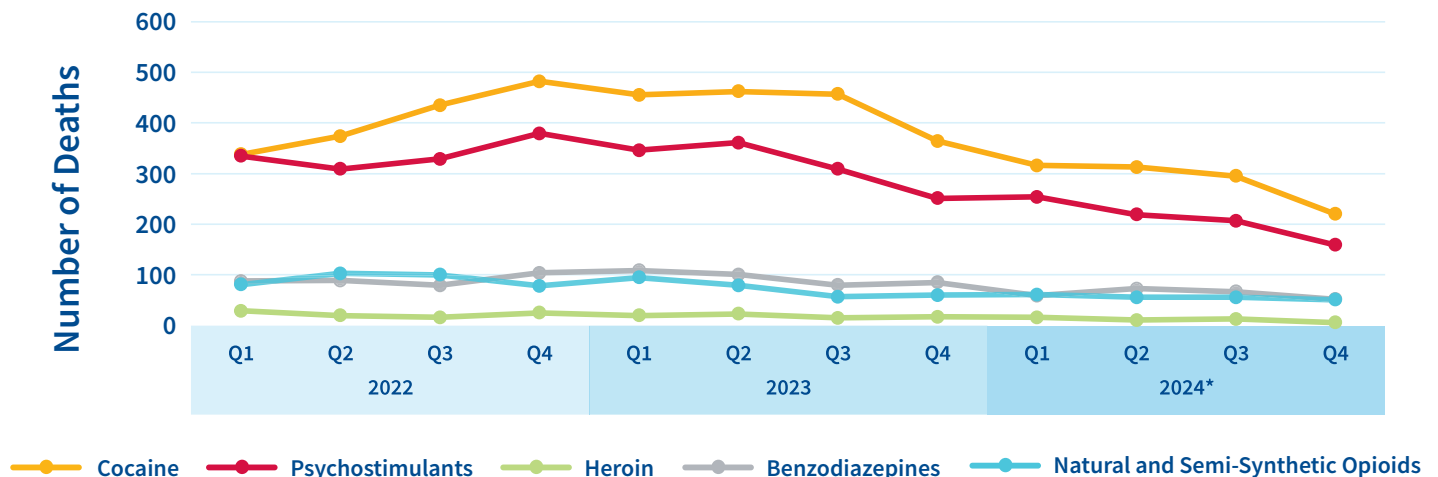


FIGURE 4. Number of Unintentional Drug Overdose Deaths Among the White Non-Hispanic Population by Quarter, Ohio, 2022-2024*

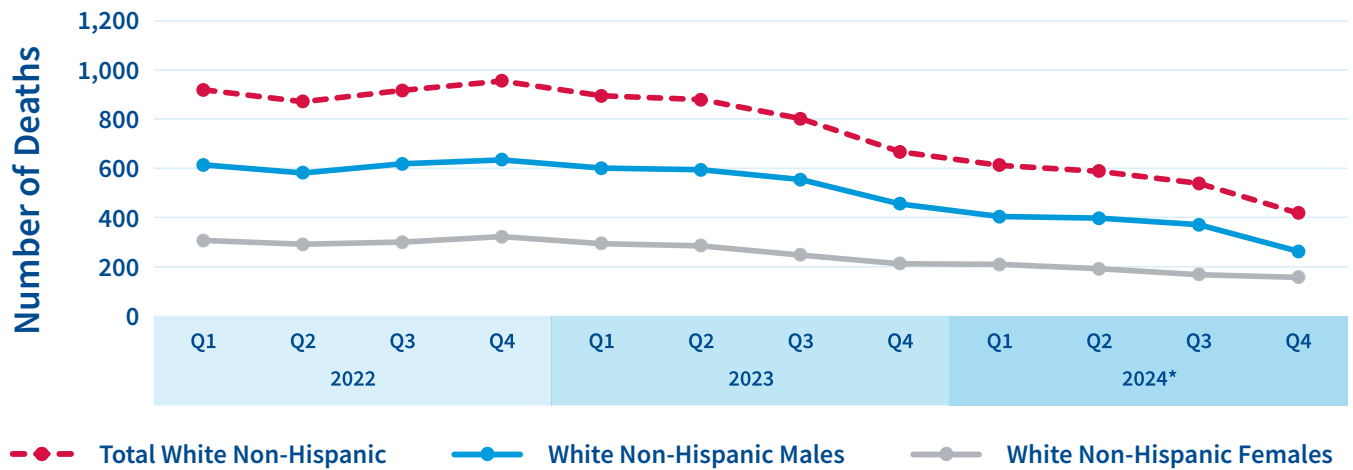


FIGURE 5. Number of Unintentional Drug Overdose Deaths Among the Black Non-Hispanic Population by Quarter, Ohio, 2022-2024*

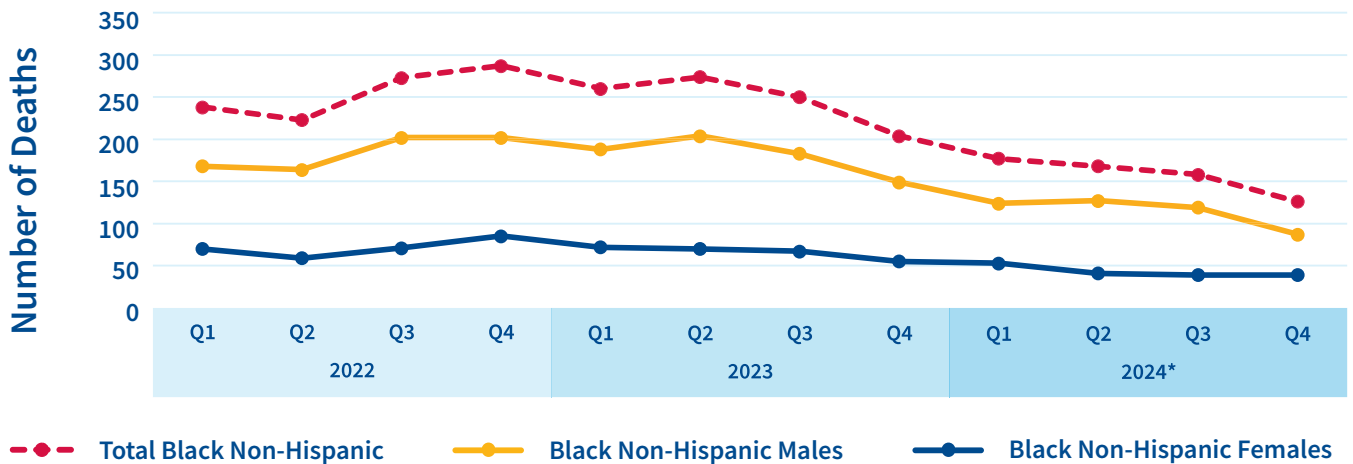


FIGURE 6. Number of Unintentional Drug Overdose Deaths Among the Hispanic Population by Quarter, Ohio, 2022-2024*

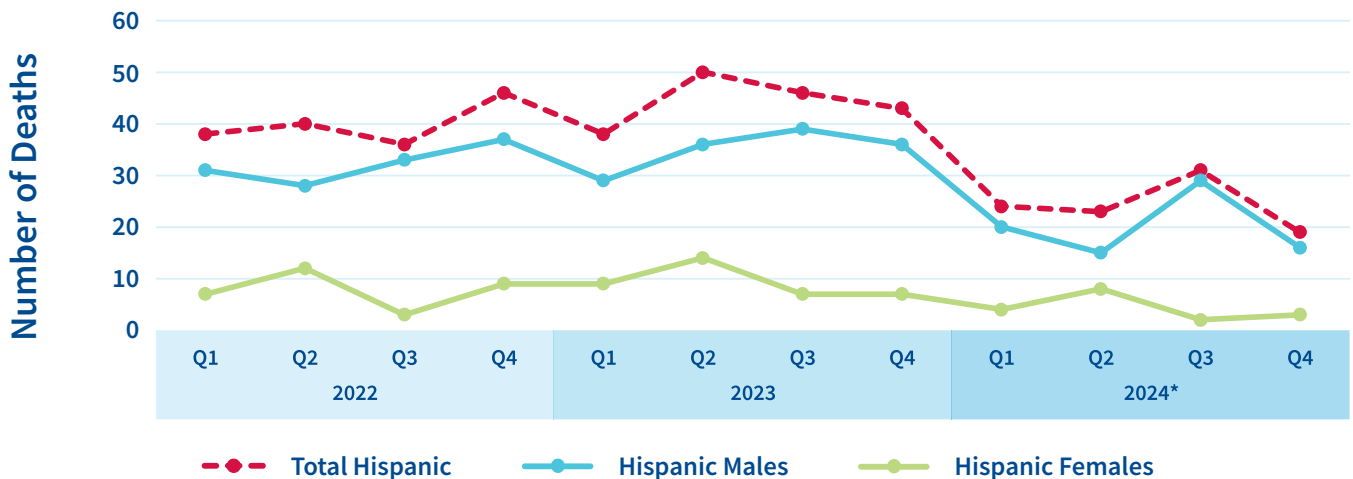


TABLE 2. Number of Unintentional Drug Overdose Deaths Involving Select Substances by Quarter, Ohio, 2022-2024*

Drug Category	2022				2023				2024*			
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Opioids												
Total Opioids	1,016	977	1,041	1,104	994	1,000	926	744	647	597	545	402
Fentanyl	975	935	988	1,065	949	948	894	695	603	564	503	358
Natural and Semi-Synthetic Opioids	81	103	100	78	95	79	57	60	61	56	56	51
Heroin	29	20	16	25	20	23	15	17	16	11	13	6
Non-Opioids												
Cocaine	338	374	435	482	455	462	457	364	316	313	295	220
Psychostimulants	335	309	329	379	346	361	309	251	254	219	207	159
Benzodiazepines	88	89	79	104	109	101	80	85	59	73	67	52
Ohio	1,217	1,155	1,240	1,303	1,202	1,215	1,108	927	826	791	736	574

TABLE 3. Number of Unintentional Drug Overdose Deaths by Demographics and Quarter, Ohio, 2022-2024*

Demographics	2022				2023				2024*			
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Race / Ethnicity												
Black, Non-Hispanic	238	223	273	287	260	274	250	204	177	168	158	126
White, Non-Hispanic	919	871	917	955	894	879	801	667	612	588	538	418
Hispanic	38	40	36	46	38	50	46	43	24	23	31	19
Race / Ethnicity and Sex												
Black Non-Hispanic Females	70	59	71	85	72	70	67	55	53	41	39	39
Black Non-Hispanic Males	168	164	202	202	188	204	183	149	124	127	119	87
White Non-Hispanic Females	306	290	299	321	294	285	247	212	209	191	168	156
White Non-Hispanic Males	613	581	618	634	600	594	554	455	403	397	370	262
Hispanic Females	7	12	3	9	9	14	7	7	4	8	2	3
Hispanic Males	31	28	33	37	29	36	39	36	20	15	29	16
Ohio	1,217	1,155	1,240	1,303	1,202	1,215	1,108	927	826	791	736	574

TABLE 4. Unintentional Drug Overdose Deaths Involving Select Substances, Ohio, 2022-2024*

Drug Category	2022		2023		2024*	
	Number	Percent	Number	Percent	Number	Percent
Opioids						
Total Opioids	4,138	84%	3,664	82%	2,191	75%
Fentanyl	3,963	81%	3,486	78%	2,028	69%
Natural and Semi-Synthetic Opioids	362	7%	291	7%	224	8%
Heroin	90	2%	75	2%	46	2%
Non-Opioids						
Cocaine	1,629	33%	1,738	39%	1,144	39%
Psychostimulants	1,352	28%	1,267	28%	839	29%
Benzodiazepines	360	7%	375	8%	251	9%
Ohio	4,915		4,452		2,927	

TABLE 5. Demographic Summary of Unintentional Drug Overdose Deaths, Ohio, 2022-2024*

Demographics	2022		2023		2024*	
	Number	Percent	Number	Percent	Number	Percent
Age						
<15	7	<1%	9	<1%	10	<1%
15-24	249	5%	173	4%	99	3%
25-34	1,141	23%	906	20%	536	18%
35-44	1,371	28%	1,274	29%	831	28%
45-54	1,017	21%	936	21%	625	21%
55-64	852	17%	855	19%	559	19%
65+	278	6%	297	7%	263	9%
Sex						
Female	1,554	32%	1,356	30%	929	32%
Male	3,361	68%	3,096	70%	1,998	68%
Race / Ethnicity						
American Indian, Non-Hispanic	12	<1%	3	<1%	6	<1%
Asian/Pacific Islander, Non-Hispanic	16	<1%	8	<1%	10	<1%
Black, Non-Hispanic	1,021	21%	988	22%	629	21%
White, Non-Hispanic	3,662	75%	3,241	73%	2,156	74%
Multiracial, Non-Hispanic	34	1%	28	1%	17	1%
Hispanic	160	3%	177	4%	97	3%
Race / Ethnicity and Sex						
Black Non-Hispanic Females	285	6%	264	6%	172	6%
Black Non-Hispanic Males	736	15%	724	16%	457	16%
White Non-Hispanic Females	1,216	25%	1,038	23%	724	25%
White Non-Hispanic Males	2,446	50%	2,203	49%	1,432	49%
Hispanic Females	31	1%	37	1%	17	1%
Hispanic Males	129	3%	140	3%	80	3%
Ohio	4,915		4,452		2,927	

FIGURE 7. Number of Unintentional Drug Overdose Deaths Involving Gabapentin¹ Among Ohio Residents Who Died in Ohio by Quarter, 2022-2024*

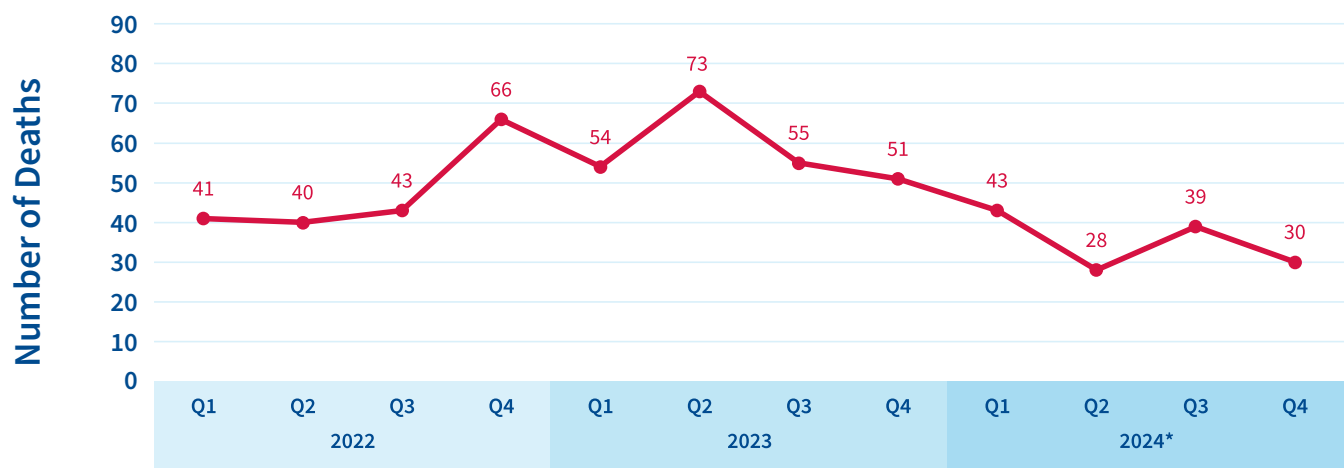


FIGURE 8. Number of Unintentional Drug Overdose Deaths Involving Xylazine¹ Among Ohio Residents Who Died in Ohio by Quarter, 2022-2024*

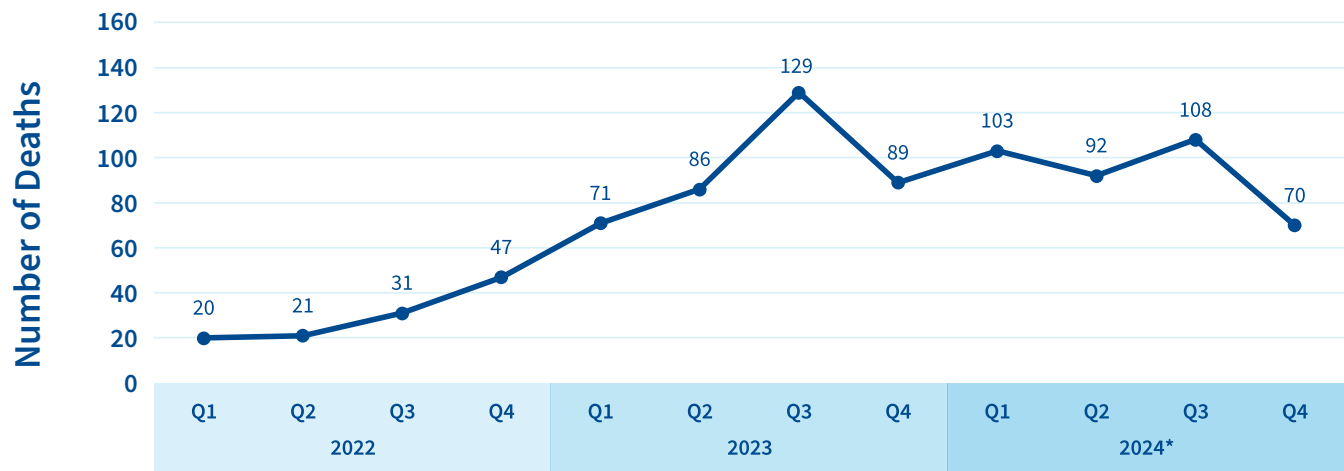


TABLE 6. Unintentional Drug Overdose Deaths Involving Select Substances Among Ohio Residents Who Died in Ohio, 2020-2024*

Drug Category ¹	2020		2021		2022		2023		2024*	
	Number	% Involving Opioids	Number	% Involving Opioids	Number	% Involving Opioids	Number	% Involving Opioids	Number	% Involving Opioids
Gabapentin	181	85%	214	87%	190	89%	233	90%	140	82%
Xylazine	45	100%	75	99%	119	97%	375	98%	373	97%

Of the total 2024 unintentional drug overdose deaths among Ohio residents who died in Ohio, 5% involved gabapentin, and 13% involved xylazine. The majority of these deaths also involved an opioid such as fentanyl.

¹ Includes Ohio residents who died in Ohio due to unintentional drug poisoning (underlying cause of death International Classification of Diseases, Tenth Revision [ICD-10], codes X40-X44) with the select substances indicated in the death certificate literal fields.