KENTUCKY INJURY PREVENTION AND RESEARCH CENTER

Kentucky Resident Drug Overdose Deaths, 2019–2023

Annual Report, Updated May 2024

Prepared by

Meghan Steel (meghansteel@uky.edu)

Mira Mirzaian (mira.mirzaian@uky.edu)

Lara Daniels (lara.daniels@uky.edu)

Released by

Kentucky Injury Prevention and Research Center (KIPRC)

2365 Harrodsburg Road, B340

Lexington, KY 40504

as bona fide agent for the Kentucky Department for Public Health

Suggested Citation

Steel, M., Mirzaian, M., Daniels, L. (2024). *Kentucky Resident Drug Overdose Deaths, 2019–2023: Annual Report, Updated May 2024.* Kentucky Injury Prevention and Research Center.

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College of Public Health

Contents

1 Introduction

1.1 About this Report

This report presents the burden of drug overdose deaths among Kentucky residents from 2019–2023. It includes only deaths of Kentucky residents. Data on Kentucky residents who died outside of the Commonwealth may be incomplete, resulting in a potential undercount of all drug overdose deaths that occurred among Kentucky residents. Counts greater than zero but less than five and rates based on numbers greater than zero but less than 10 were suppressed in accordance with state data management policy. Rates based on numbers less than 20 are unstable and should be interpreted with caution. Population estimates are based on the US Census Bureau's Annual County Resident Population Estimates by Age, Sex, Race, and Hispanic Origin. All rates presented in this report have been age-adjusted using the US Standard 2000 population. Population estimates for 2023 were not available at the time this report was generated. Rates for 2023 are based on the population estimates for 2022.

This project is supported by the Centers for Disease Control and Prevention (CDC) of the U.S. Department of Health and Human Services (HHS) as part of cooperative agreement 1 NU17CE010186 totaling $5.4 million with 0% financed with nongovernmental sources. The contents are those of the author(s) and do not necessarily represent the official views of, nor an endorsement by, CDC, HHS, or the U.S. government. For more information, please visit CDC.gov.

1.2 Definitions

The source for the Kentucky resident data in this report is the Kentucky Death Certificate Database, Kentucky Office of Vital Statistics, Cabinet for Health and Family Services. Data are provisional and subject to change. Drug overdose deaths include events with an underlying cause of death code of X40–X44, X60–X64, X85, or Y10–Y14.

Overdose deaths identified by specific drug types are not mutually exclusive; a drug overdose record that includes codes for two different drug types will be counted under each category. The majority of drug types identified as involved in a drug overdose death are based on the use of ICD-10 codes as a supplemental cause of death. Tables where the drug type is identified using toxicology testing are labeled accordingly. The following ICD-10 codes listed as a supplemental cause of death were used to identify drug overdoses:

Drug Type	ICD-10
All Opioids	T40.0–T40.4, T40.6
All Stimulants	T40.5, T43.6
Heroin	T40.1
Prescription (RX) Opioids	T40.0, T40.2–T40.3
Synthetic Opioids	T40.4
Fentanyl	T40.4 and a text mention of fentanyl
Benzodiazepines	T42.4
Cocaine	T40.5
Other Psychostimulants	T43.6
Methamphetamine	T43.6 and a text mention of methamphetamine

1.3 Executive Summary

- There was a total of **1,986** drug overdose deaths among Kentucky residents in 2023 for an age-adjusted rate of 45.9 deaths per 100,000 residents This was a **decrease of 9.7%** from the 2,200 deaths in 2022.

- Among non-Hispanic White residents, there was a total of **1,671** deaths in 2023,resulting in an age-adjusted mortality rate of **52.9 deaths per 100,000 White residents.** This was a **decrease of 10.9%** from the 1,875 deaths in 2022.

- Among non-Hispanic Black residents, there was a total of 261 deaths in 2023, resulting in an age-adjusted mortality rate of **69.4 deaths per 100,000 Black residents**. This was an **increase of 1.2%** from the 258 deaths in 2022.

- In 2023, people aged **35 to 44 years old** experienced the highest proportion of deaths with **572** deaths. This was a **decrease of 13.2%** from the 659 deaths in 2022.

- Number of drug overdose deaths involving fentanyl in 2023: **1,389**
  - Percentage of total drug overdose deaths in 2023: **69.9**%
  - Percentage change from 2022: **decrease of 8.9%**

- Number of drug overdose deaths involving heroin in 2023: **23**
  - Percentage of total drug overdose deaths in 2023: **1.2**%
  - Percentage change from 2022: **decrease of 25.8%**

- Number of drug overdose deaths involving methamphetamine in 2023: **769**
  - Percentage of total drug overdose deaths in 2023: **38.7**%
  - Percentage change from 2022: **decrease of 11.2%**

- Number of drug overdose deaths involving cocaine in 2023: **279**
  - Percentage of total drug overdose deaths in 2023: **14.0**%
  - Percentage change from 2022: **increase of 22.9%**

Table 1.3.1: Kentucky counties with the highest age-adjusted rates of drug overdose deaths in 2023

	Kentucky County	Rate of Deaths per 100,000 Residents	Number of Deaths
1	Estill	187.3	27
2	Lee	155.9*	11
3	Breathitt	150.6*	18
4	Powell	121.1*	16
5	Floyd	109.9	35
6	Knott	100.0*	13
7	Rowan	94.9	20
8	Boyd	94.2	42
9	Perry	93.3	24
10	Rockcastle	91.8*	15

* Rates based on counts less than 20 are unstable and should be interpreted with caution.
Counties with rates based on numbers less than 10 have been excluded from this list. Produced by the Kentucky Injury Prevention and Research Center, as bona fide agent for the Kentucky Department for Public Health. Data source: Kentucky Death Certificate Database, Kentucky Office of Vital Statistics, Cabinet for Health and Family Services. Data extracted May 2024. Data are provisional and subject to change.

2 Total Drug Overdose Deaths

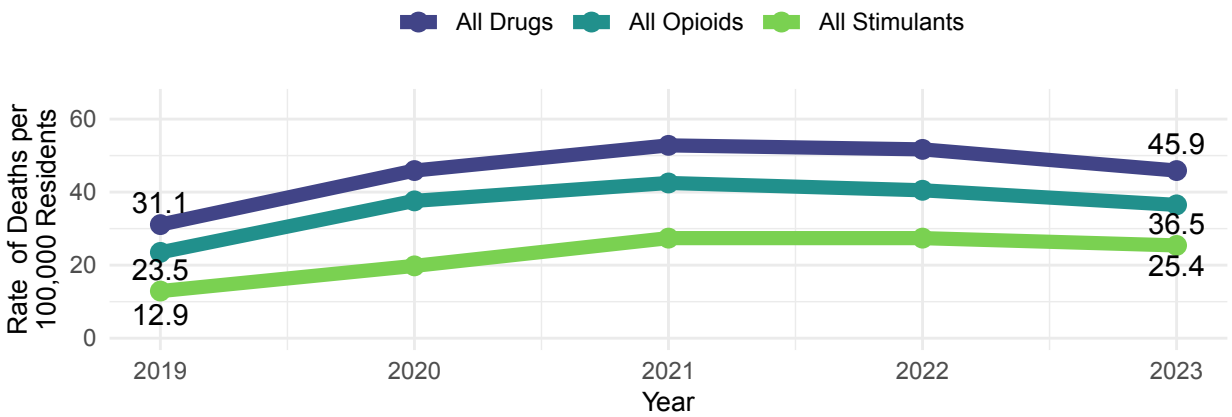
In 2023, a total of 1,986 Kentucky residents died from a drug overdose. This is a decrease of 9.7% from the 2,200 drug overdose deaths among Kentucky residents in 2022. A total of 1,555 deaths, or 78.3% of the total drug overdose deaths in 2023, involved at least one type of opioid, while 1,086 deaths, or 54.7%, involved at least one type of stimulant. The total number of opioid overdose deaths among Kentucky residents decreased by 8.9%, from 1,706 deaths in 2022 to 1,555 deaths in 2023. The total number of stimulant-involved overdose deaths among Kentucky residents decreased by 5.6%, from 1,151 deaths in 2022 to 1,086 deaths in 2023.

Table 2.1: Numbers and age-adjusted rates of total drug overdose deaths among Kentucky residents, 2019–2023

	Any Drug		Any Opioid		Any Stimulant	
Year	**Number**	**Rate**	**Number**	**Rate**	**Number**	**Rate**
2019	1,316	31.1	988	23.5	538	12.9
2020	1,965	45.9	1,594	37.6	827	19.8
2021	2,257	52.8	1,799	42.5	1,151	27.4
2022	2,200	51.7	1,706	40.5	1,151	27.4
2023	1,986	45.9	1,555	36.5	1,086	25.4

Produced by the Kentucky Injury Prevention and Research Center, as bona fide agent for the Kentucky Department for Public Health. Data source: Kentucky Death Certificate Database, Kentucky Office of Vital Statistics, Cabinet for Health and Family Services. Data extracted May 2024. Data are provisional and subject to change.

Figure 2.1: Age-adjusted rates of drug overdose deaths among Kentucky residents, 2019–2023



Produced by the Kentucky Injury Prevention and Research Center, as bona fide agent for the Kentucky Department for Public Health. Data source: Kentucky Death Certificate Database, Kentucky Office of Vital Statistics, Cabinet for Health and Family Services. Data extracted May 2024. Data are provisional and subject to change.

3 Numbers and Rates of Drug Overdose Deaths by Sex

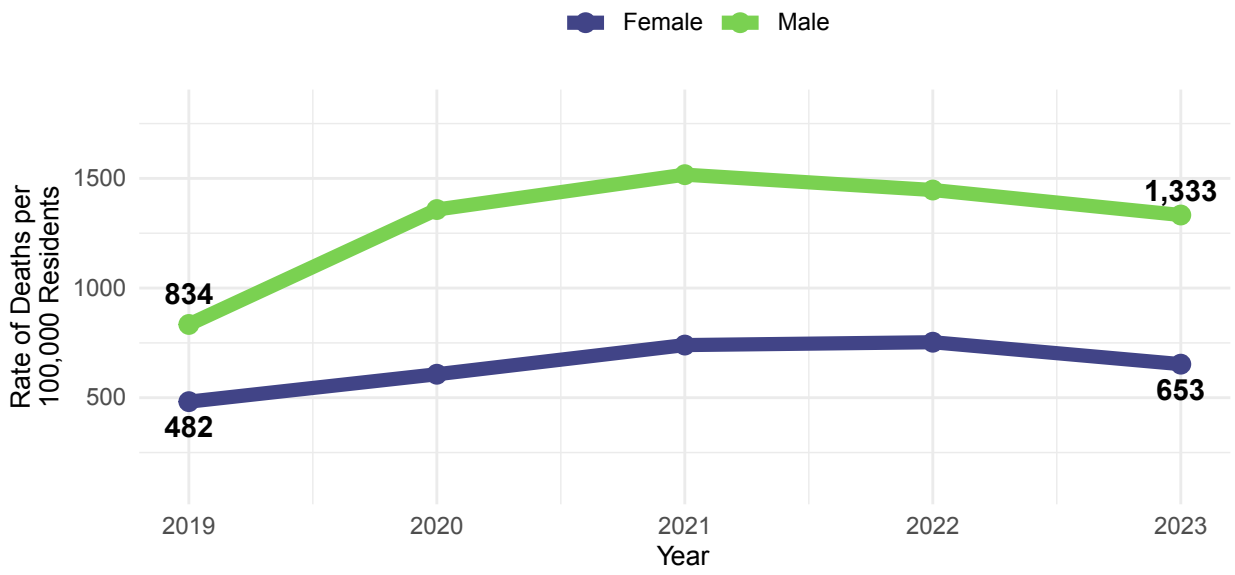
For the five-year period from 2019 to 2023, 66.7% of Kentucky resident drug overdose decedents were males. Males also made up 67.3% of all opioid overdose deaths among Kentucky residents and 68.9% of all stimulant-involved overdose deaths among Kentucky residents. The total number of drug overdose deaths among male Kentucky residents decreased by 7.9% (from 1,447 deaths to 1,333 deaths) from 2022 to 2023. For this same time period, opioid overdose deaths among male Kentucky residents decreased by 6.9% (from 1,137 deaths to 1,059 deaths), while stimulant-involved overdose deaths among male Kentucky residents decreased by 1.3% (from 764 deaths to 754 deaths). Among female Kentucky residents, the total number of drug overdose deaths in 2023 decreased by 13.3% (from 753 deaths to 653 deaths) from 2022. For that same time period, opioid overdose deaths among female Kentucky residents decreased by 12.8% (from 569 deaths to 496 deaths), while stimulant-involved overdose deaths among female Kentucky residents decreased by 14.2% (from 387 deaths to 332 deaths).

Table 3.1: Numbers and age-adjusted rates of total drug overdose deaths among Kentucky residents by sex, 2019–2023

		Any Drug		Any Opioid		Any Stimulant	
Sex	**Year**	**Number**	**Rate**	**Number**	**Rate**	**Number**	**Rate**
Female	2019	482	22.4	356	16.7	178	8.6
	2020	607	28.1	488	22.9	234	11.5
	2021	740	34.9	591	28.2	348	16.9
	2022	753	35.9	569	27.5	387	19.2
	2023	653	30.6	496	23.5	332	15.8
Male	2019	834	39.8	632	30.5	360	17.3
	2020	1,358	63.3	1,106	52.1	593	28.0
	2021	1,517	70.5	1,208	56.6	803	37.7
	2022	1,447	67.3	1,137	53.3	764	35.6
	2023	1,333	61.2	1,059	49.4	754	34.9

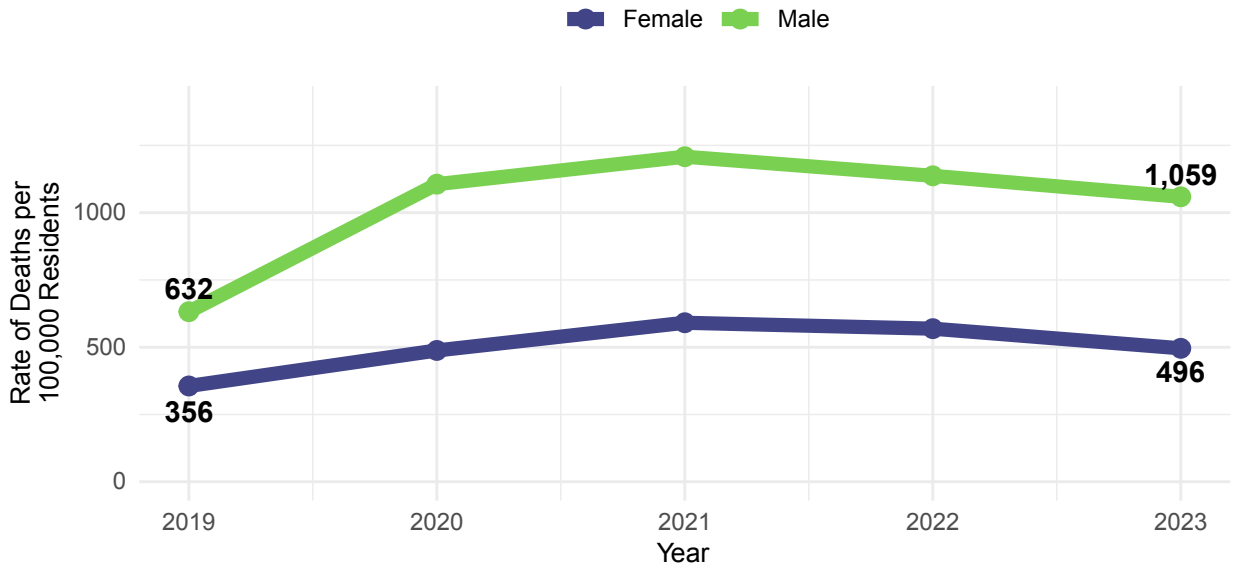
Produced by the Kentucky Injury Prevention and Research Center, as bona fide agent for the Kentucky Department for Public Health. Data source: Kentucky Death Certificate Database, Kentucky Office of Vital Statistics, Cabinet for Health and Family Services. Data extracted May 2024. Data are provisional and subject to change.

Figure 3.1: Numbers of drug overdose deaths involving any drug among Kentucky residents by sex, 2019–2023



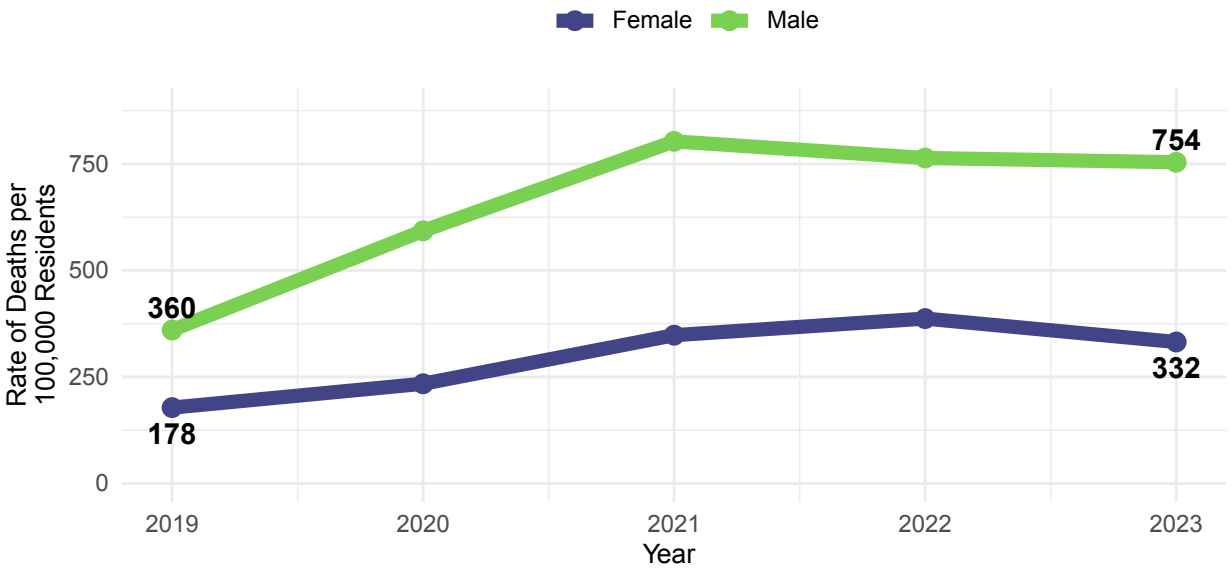
Produced by the Kentucky Injury Prevention and Research Center, as bona fide agent for the Kentucky Department for Public Health. Data source: Kentucky Death Certificate Database, Kentucky Office of Vital Statistics, Cabinet for Health and Family Services. Data extracted May 2024. Data are provisional and subject to change.

Figure 3.2: Numbers of drug overdose deaths involving any opioid among Kentucky residents by sex, 2019–2023



Produced by the Kentucky Injury Prevention and Research Center, as bona fide agent for the Kentucky Department for Public Health. Data source: Kentucky Death Certificate Database, Kentucky Office of Vital Statistics, Cabinet for Health and Family Services. Data extracted May 2024. Data are provisional and subject to change.

Figure 3.3: Numbers of drug overdose deaths involving any stimulant among Kentucky residents by sex, 2019–2023



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4 Numbers and Rates of Drug Overdose Deaths by Race and Ethnicity

The drug overdose mortality rate for non-Hispanic Black Kentucky residents surpassed the rate for non-Hispanic White Kentucky residents for the first time in 2021 and remained higher in 2023 (69.7 visits per 100,000 non-Hispanic Black residents vs. 46.3 deaths per 100,000 non-Hispanic White residents). In 2023, non-Hispanic White decedents accounted for 83.9% of Kentucky resident drug overdose deaths, while non-Hispanic Black decedents accounted for 10.6% of deaths. Non-Hispanic White decedents made up 86.4% of all opioid drug overdose deaths among Kentucky residents (36.4 deaths per 100,000 White residents) and 85.5% of all stimulant-involved overdose deaths among Kentucky residents (25.2 deaths per 100,000 White residents). The percentages of opioid and stimulant-involved overdose decedents who were non-Hispanic Black were 11.2% (58.6 deaths per 100,000 non-Hispanic Black residents) and 7.7% (43.8 deaths per 100,000 non-Hispanic Black residents), respectively. Hispanic decedents accounted for 1.7% of deaths, with a rate of 22.6 deaths per 100,000 Hispanic residents. The percentages of opioid and stimulant-involved overdose decedents who were Hispanic were 1.7% (17.8 deaths per 100,000 Hispanic residents) and 0.9% (11.3 deaths per 100,000 Hispanic residents), respectively.

Among non-Hispanic White Kentucky residents, the total number of drug overdose deaths decreased by 11.1% from 2022 to 2023 (from 1,875 deaths to 1,667 deaths). For that same time period, opioid overdose deaths among non-Hispanic White Kentucky residents decreased by 9.9% (from 1,430 deaths in 2022 to 1,288 deaths in 2023), while stimulant-involved overdose deaths among non-Hispanic White Kentucky residents decreased by 8.7% (from 975 deaths to 890 deaths). Among non-Hispanic Black Kentucky residents, the total number of drug overdose deaths increased by 1.2% (from 258 deaths in 2022 to 261 deaths in 2023). For that same time period, opioid overdose deaths among non-Hispanic Black Kentucky residents increased by 0.5% (from 219 deaths in 2022 to 220 deaths in 2023), while stimulant-involved overdose deaths among non-Hispanic Black Kentucky residents increased by 13.1% (from 145 deaths in 2022 to 164 deaths in 2023). Among Hispanic Kentucky residents, the total number of drug overdose deaths decreased by 14.3% (from 49 deaths in 2022 to 42 deaths in 2023). For that same time period, opioid overdose deaths among Hispanic Kentucky residents decreased by 19% (from 42 deaths in 2022 to 34 deaths in 2023), while stimulant-involved overdose deaths among Hispanic Kentucky residents remained steady (at 21 deaths in 2022 and 2023).

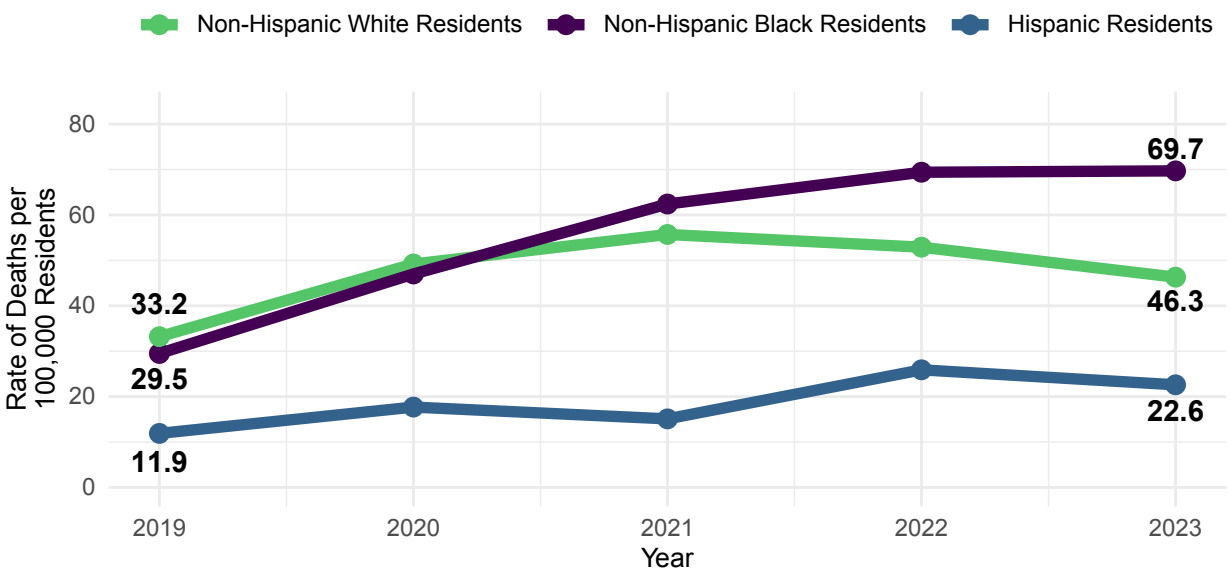
Table 4.1: Numbers and age-adjusted rates of drug overdose deaths among Kentucky residents by ethnicity and race, 2019–2023

		Any Drug		Any Opioid		Any Stimulant	
Ethnicity/ Race	**Year**	**Number**	**Rate**	**Number**	**Rate**	**Number**	**Rate**
Hispanic	2019	19	11.9*	13	7.8*	7	*
	2020	25	17.7	18	12.2*	8	*
	2021	29	15.1	26	13.7*	13	6.9
	2022	49	25.9	42	22.1	21	11.3
	2023	42	22.6	34	17.8	21	11.3
Non-Hispanic Black	2019	105	29.5	80	22.2	50	13.9
	2020	172	47.0	141	38.6	90	25.1
	2021	233	62.4	200	53.4	138	36.1
	2022	258	69.4	219	59.3	145	39.1
	2023	261	69.7	220	58.6	164	43.8
Non-Hispanic White	2019	1,187	33.2	891	25.2	479	13.7
	2020	1,765	49.2	1,433	40.5	728	20.9
	2021	1,984	55.7	1,563	44.4	997	28.7
	2022	1,878	52.9	1,431	40.8	977	28.1
	2023	1,668	46.3	1,288	36.4	891	25.2

* Numbers greater than zero but less than five and rates based on numbers less than 10 have been suppressed in accordance with state data management policy. Rates based on counts less than 20 are unstable and should be interpreted with caution.

Produced by the Kentucky Injury Prevention and Research Center, as bona fide agent for the Kentucky Department for Public Health. Data source: Kentucky Death Certificate Database, Kentucky Office of Vital Statistics, Cabinet for Health and Family Services. Data extracted May 2024. Data are provisional and subject to change.

Figure 4.1: Age-adjusted rates of drug overdose deaths involving any drug among Kentucky residents by ethnicity and race, 2019–2023



Produced by the Kentucky Injury Prevention and Research Center, as bona fide agent for the Kentucky Department for Public Health. Data source: Kentucky Death Certificate Database, Kentucky Office of Vital Statistics, Cabinet for Health and Family Services. Data extracted May 2024. Data are provisional and subject to change.

Figure 4.2: Age-adjusted rates of drug overdose deaths involving any opioid among Kentucky residents by ethnicity and race, 2019–2023

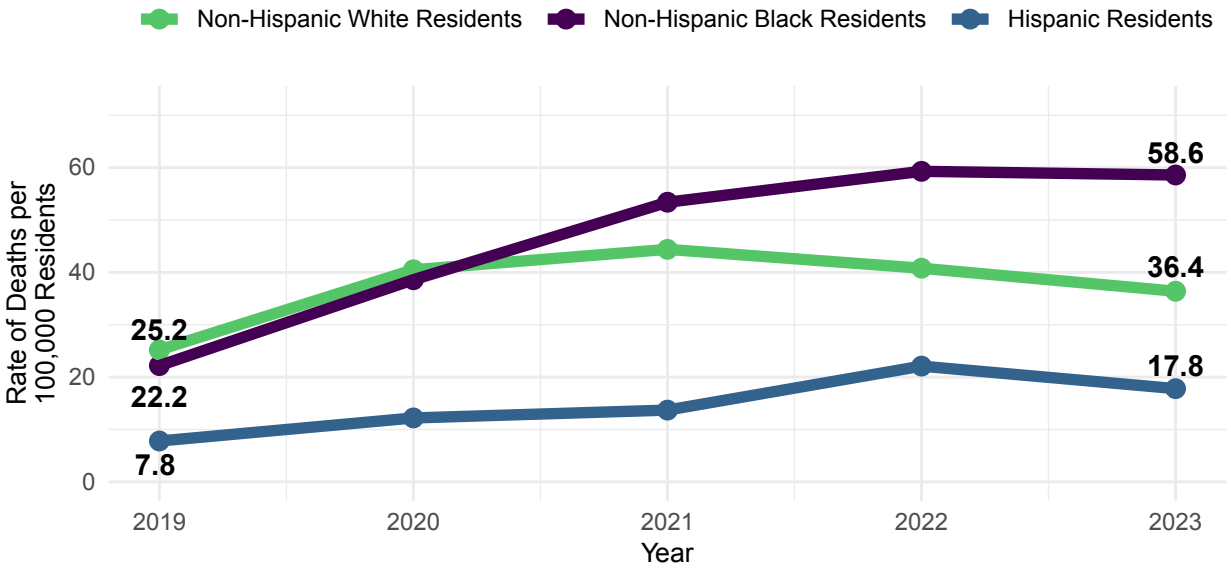


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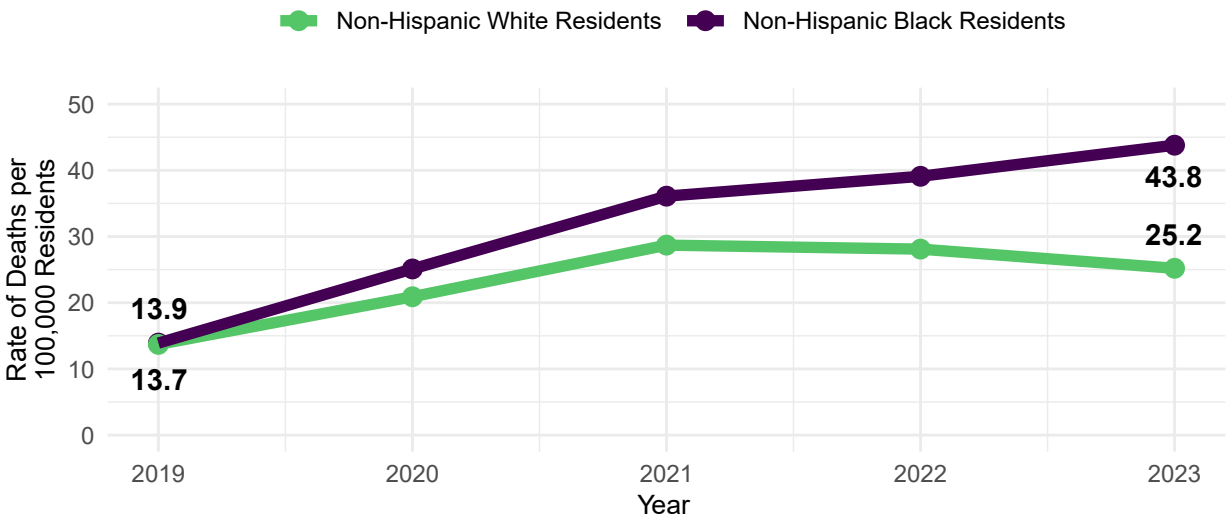
Figure 4.3: Age-adjusted rates of drug overdose deaths involving any stimulant among Kentucky residents by ethnicity and race, 2019–2023



Hispanic patients and patients of other races were excluded from this graph as their rates were not reportable for some of the fives years due to low numbers of deaths (n=94 for the period of 2019−2023). Produced by the Kentucky Injury Prevention and Research Center, as bona fide agent for the Kentucky Department for Public Health. Data source: Kentucky Death Certificate Database, Kentucky Office of Vital Statistics, Cabinet for Health and Family Services. Data extracted May 2024. Data are provisional and subject to change.

5 Numbers of Drug Overdose Deaths by Age Group

5.1 All Ages

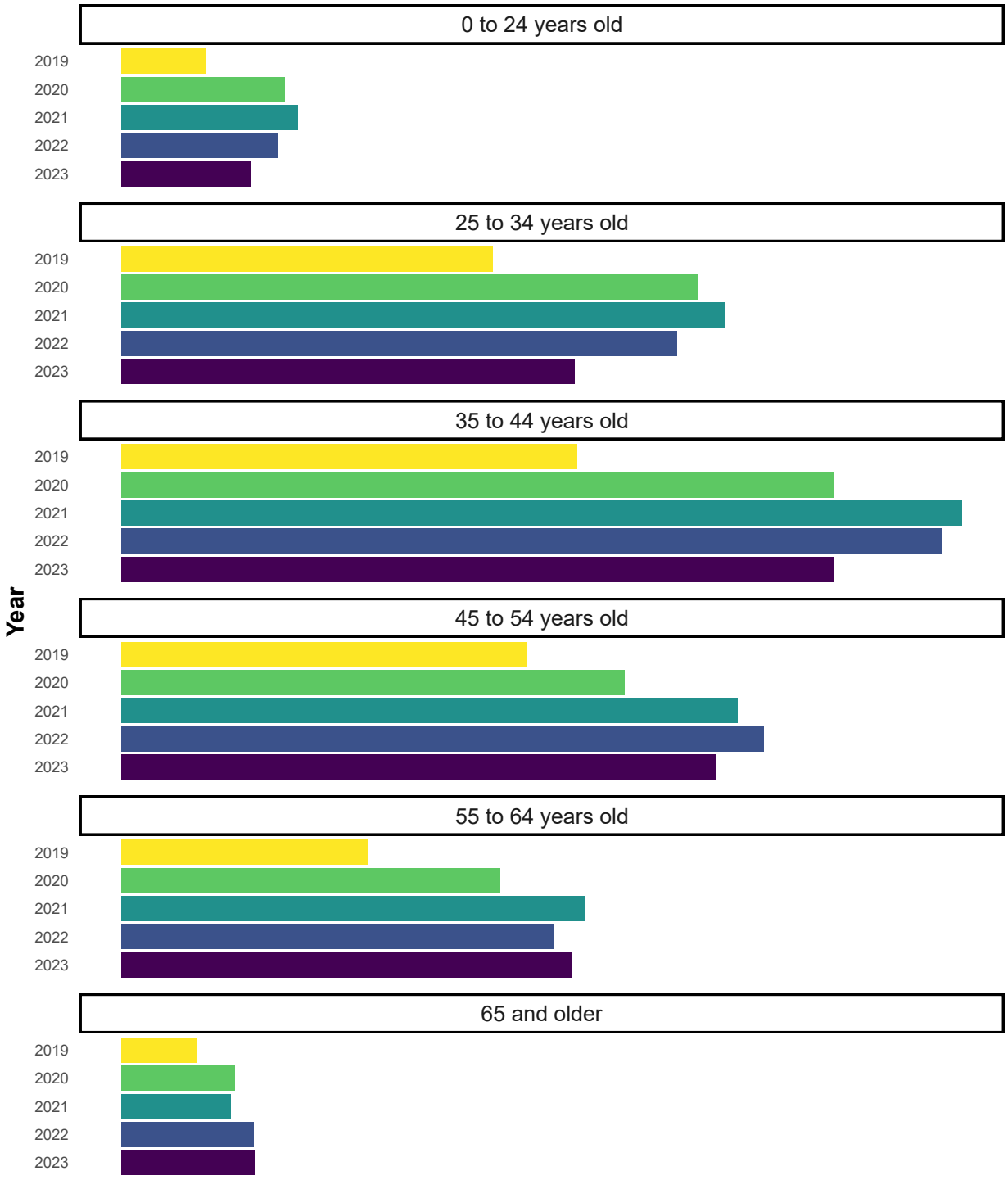
In 2023, the majority of drug overdose deaths involved decedents who were 35 to 44 years old, with 572 deaths representing 29% of the total drug overdose deaths among Kentucky residents. This is a decrease of 13% from the 659 drug overdose deaths involving patients 35 to 44 years old in 2022. Decedents who were 45 to 54 years old were the second-largest age group represented among drug overdose deaths, with 477 deaths and representing 24% of the total drug overdose deaths among Kentucky residents in 2023. The only age group that saw in increase in the total number of drug overdose deaths in 2023 included people who were 55 years old and older.

Table 5.1.1: Number of drug overdose deaths among Kentucky residents by age group, 2019–2023

Age Group	2019	2020	2021	2022	2023
0 to 24 years old	68	131	142	126	104
25 to 34 years old	298	463	485	446	364
35 to 44 years old	366	572	675	659	572
45 to 54 years old	325	404	495	516	477
55 to 64 years old	198	304	372	347	362
65 and older	61	91	88	106	107

Produced by the Kentucky Injury Prevention and Research Center, as bona fide agent for the Kentucky Department for Public Health. Data source: Kentucky Death Certificate Database, Kentucky Office of Vital Statistics, Cabinet for Health and Family Services. Data extracted May 2024. Data are provisional and subject to change.

Figure 5.1.1: Numbers of drug overdose deaths among Kentucky residents by age group, 2019–2023



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5.2 Persons 24 and Younger

Of the drug overdose deaths among Kentucky residents in 2023, 104 deaths (5.2%) involved a decedent aged 24 or younger. This is a decrease of 17.5% from the 126 deaths involving a decedent aged 24 or younger in 2022. Consistent with previous years, of all decedents aged 24 or younger who died from a drug overdose in 2023, persons who were 19 to 24 years old made up the majority of drug overdose deaths, with 82 (78.8% of deaths in 2023 involving a person aged 24 or younger). The age group with the second highest number of drug overdose deaths were persons 10 to 18 years old, with 13 deaths (12.5% of the deaths in 2023 involving a person aged 24 or younger). Over the five-year period from 2019 to 2023, the majority of drug overdose deaths among persons aged 24 or younger involved fentanyl, with 459 deaths, followed by methamphetamine, with 137 deaths. Benzodiazepines were involved in 68 deaths.

Table 5.2.1: Numbers of drug overdose deaths among Kentucky residents 24 years old and younger by age group, 2019–2023

Age Group	2019	2020	2021	2022	2023
0 to 9 years old	0	<5	<5	7	9
10 to 18 years old	<5	11	*	16	13
19 to 24 years old	*	118	119	103	82

Numbers greater than zero but less than five have been suppressed in accordance with state data management policy. For some years, the age group with the next lowest number has been censored to protect a suppressed value and indicated by an asterisk (*). Produced by the Kentucky Injury Prevention and Research Center, as bona fide agent for the Kentucky Department for Public Health. Data source: Kentucky Death Certificate Database, Kentucky Office of Vital Statistics, Cabinet for Health and Family Services. Data extracted May 2024. Data are provisional and subject to change.

Table 5.2.2: Numbers of drug overdose deaths among Kentucky residents 24 years old and younger by age group and drug type, 2019–2023

Drug Type	0 to 9 years old	10 to 18 years old	19 to 24 years old
Heroin	<5	<5	12
Prescription Opioids	<5	7	55
Fentanyl	16	47	396
Unspecified Opioids	0	<5	17
Cocaine	<5	<5	50
Methamphetamine	<5	11	125
Benzodiazepines	0	7	61
Cannabis	<5	9	56

Numbers greater than zero but less than five have been suppressed in accordance with state data management policy. Produced by the Kentucky Injury Prevention and Research Center, as bona fide agent for the Kentucky Department for Public Health. Data source: Kentucky Death Certificate Database, Kentucky Office of Vital Statistics, Cabinet for Health and Family Services. Data extracted May 2024. Data are provisional and subject to change.

6 Numbers of Drug Overdose Deaths by Drug Type

6.1 Overview of Drug Types

Please note: Drug type categories presented in this report are not mutually exclusive. If the death certificate includes codes for multiple drug types, that overdose will be counted for each of the drug types. For this reason, adding the numbers for each drug type will not provide the total number of overdoses involving those drugs since it is possible for a single overdose to be counted in multiple categories.

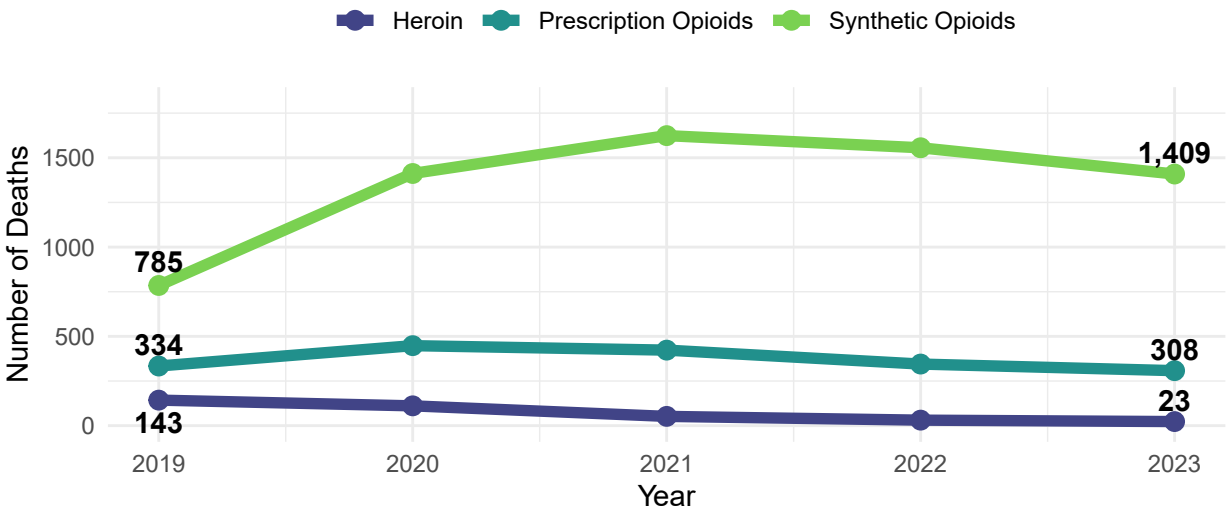
Of the 1,986 drug overdose deaths in 2023, heroin was listed as being involved in 23 deaths (1.2%), a decrease of 25.8% from the 31 deaths in 2022. An opioid other than heroin was listed as being involved in 1,548 (77.9%) of the drug overdose deaths in 2023, a decrease of 9% from the 1,701 deaths in 2022. Drug overdose deaths involving benzodiazapines decreased by 9.5%, from 252 deaths in 2022 to 228 deaths in 2023, representing 11.5% of the drug overdose deaths in 2023. There were 279 drug overdose deaths involving cocaine in 2023, an increase of 22.9% from the 227 deaths in 2022. Finally, drug overdose deaths involving other psychostimulants decreased by 12%, from 986 deaths in 2022 to 868 in 2023, representing 43.7% of the drug overdose deaths in 2023.

Table 6.1.1: Numbers of drug overdose deaths among Kentucky residents by drug type, 2019–2023

Drug Type	2019	2020	2021	2022	2023
Heroin	143	111	52	31	23
Prescription Opioids	334	448	423	345	308
Synthetic Opioids	785	1,412	1,624	1,556	1,409
Unspecified Opioids	54	51	50	37	48
Cocaine	112	166	220	227	279
Other Psychostimulants	444	702	991	986	868
Benzodiazepines	227	308	307	252	228
Cannabis	77	80	105	114	83

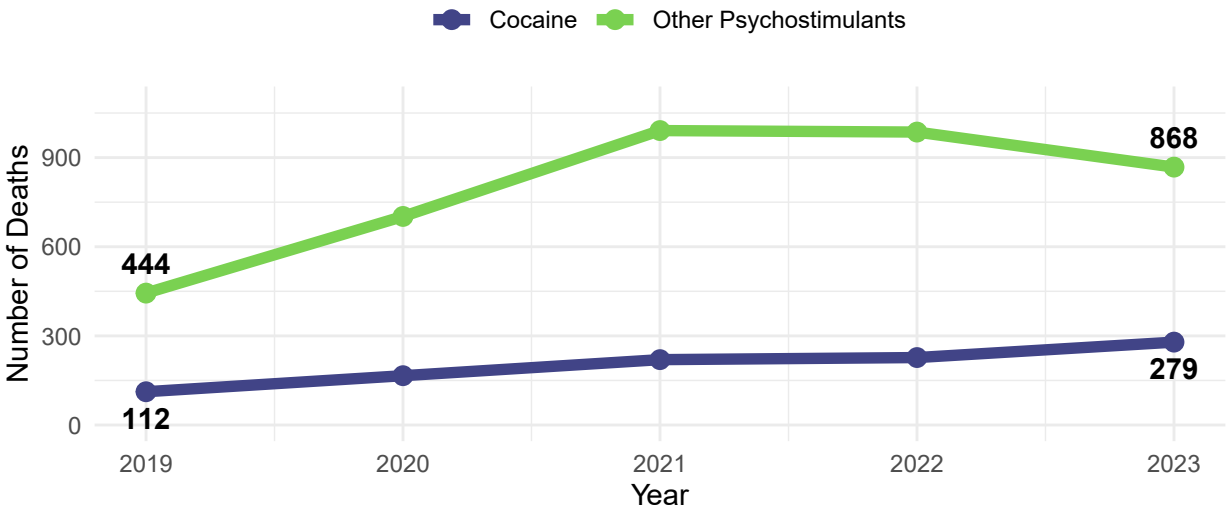
Drug type categories are not mutually exclusive. If a drug overdose death includes codes for multiple drug types, it will be included in each category. Produced by the Kentucky Injury Prevention and Research Center, as bona fide agent for the Kentucky Department for Public Health. Data source: Kentucky Death Certificate Database, Kentucky Office of Vital Statistics, Cabinet for Health and Family Services. Data extracted May 2024. Data are provisional and subject to change.

Figure 6.1.1: Numbers of drug overdose deaths involving an opioid among Kentucky residents by opioid type, 2019–2023



Produced by the Kentucky Injury Prevention and Research Center, as bona fide agent for the Kentucky Department for Public Health. Data source: Kentucky Death Certificate Database, Kentucky Office of Vital Statistics, Cabinet for Health and Family Services. Data extracted May 2024. Data are provisional and subject to change.

Figure 6.1.2: Numbers of drug overdose deaths involving a stimulant among Kentucky residents by stimulant type, 2019–2023



Produced by the Kentucky Injury Prevention and Research Center, as bona fide agent for the Kentucky Department for Public Health. Data source: Kentucky Death Certificate Database, Kentucky Office of Vital Statistics, Cabinet for Health and Family Services. Data extracted May 2024. Data are provisional and subject to change.

6.2 Fentanyl

Fentanyl was involved in 1,389 drug overdose deaths in 2023, accounting for 69.9% of the total drug overdose deaths that year. This is a decrease of 8.9% from the 1,524 deaths in 2022. In 2023, the average age for a person who died from a fentanyl overdose was 42.3 years, which is lower than the average age for drug overdose deaths involving all drugs of 44.4 years.

The Kentucky counties with the highest numbers of fentanyl-involved drug overdose deaths in 2023 were 1) Jefferson, with 408 deaths; 2) Fayette, with 113 deaths; 3) Kenton, with 54 deaths; 4) Madison, with 51 deaths; and 5) Bullitt, with 32 deaths.

Meanwhile, the Kentucky counties with the highest age-adjusted rates of drug overdose deaths involving fentanyl in 2023 were 1) Breathitt, with 135.9 deaths per 100,000 residents; 2) Rockcastle, with 88.5 deaths per 100,000 residents; 3) Powell, with 84.8 deaths per 100,000 residents; 4) Bourbon, with 74.5 deaths per 100,000 residents; and 5) Carter with 68.9 deaths per 100,000 residents. Rates based on counts less than 20 are unstable and should be interpreted with care. Counties with fewer than 10 deaths involving fentanyl were excluded from this list.

Finally, the five Kentucky counties with the greatest reportable percentage increases in the number of fentanyl-involved drug overdose deaths from 2022 to 2023 were 1) Rockcastle, with a 180% increase from 5 deaths in 2022 to 14 deaths in 2023; 2) Clark, with a 144.4% increase from 9 deaths in 2022 to 22 deaths in 2023; 3) Breathitt, with a 128.6% increase from 7 deaths in 2022 to 16 deaths in 2023; 4) Bourbon, with a 85.7% increase from 7 deaths in 2022 to 13 deaths in 2023; and 5) Oldham, with a 62.5% increase from 8 deaths in 2022 to 13 deaths in 202

Table 6.2.1: Number of drug overdose deaths among Kentucky residents involving fentanyl, 2019–2023

Year	Total Drug Overdose Deaths	Drug Overdose Deaths Involving Fentanyl	Percentage of Total Drug Overdose Deaths that Involved Fentanyl
2019	1,316	743	56.5%
2020	1,965	1,354	68.9%
2021	2,257	1,569	69.5%
2022	2,200	1,524	69.3%
2023	1,986	1,389	69.9%

Produced by the Kentucky Injury Prevention and Research Center, as bona fide agent for the Kentucky Department for Public Health. Data source: Kentucky Death Certificate Database, Kentucky Office of Vital Statistics, Cabinet for Health and Family Services. Data extracted May 2024. Data are provisional and subject to change.

Table 6.2.2: Numbers and rates† of drug overdose deaths involving fentanyl among Kentucky residents, by county of residence, 2019–2023

County	Age-Adjusted Rate, 2022	Age-Adjusted Rate, 2023	Number of Deaths, 2022	Number of Deaths, 2023	Percentage Change‡ in Number of Deaths from 2022 to 2023
Adair	*	*	7	<5	N/A
Allen	*	0.0	<5	0	N/A
Anderson	*	*	6	6	0%
Ballard	*	0.0	<5	0	N/A
Barren	*	*	<5	<5	N/A
Bath	150.8*	*	16	9	-43.8%
Bell	*	*	6	9	50%
Boone	22.8	20.0	31	26	-16.1%
Bourbon	*	74.5*	7	13	85.7%
Boyd	79.6	67.1	37	28	-24.3%
Boyle	40.3*	34.2*	12	10	-16.7%
Bracken	0.0	*	0	<5	N/A
Breathitt	*	135.9*	7	16	128.6%
Breckinridge	*	*	<5	<5	N/A
Bullitt	40.9	42.8	31	32	3.2%

† Rates are presented as the number of deaths per 100,000 residents.

‡ Percentage change values are not available if there were no deaths in 2022 or if there were less than five deaths in either 2022 or 2023.

* Counts greater than zero but less than five and rates based on numbers greater than zero but less than 10 are suppressed in accordance with state data management policy. Rates based on counts less than 20 are unstable and should be interpreted with caution.

Produced by the Kentucky Injury Prevention and Research Center, as bona fide agent for the Kentucky Department for Public Health. Data source: Kentucky Death Certificate Database, Kentucky Office of Vital Statistics, Cabinet for Health and Family Services. Data extracted May 2024. Data are provisional and subject to change.

Table 6.2.2, cont.: Numbers and rates† of drug overdose deaths involving fentanyl among Kentucky residents, by county of residence, 2019–2023

County	Age-Adjusted Rate, 2022	Age-Adjusted Rate, 2023	Number of Deaths, 2022	Number of Deaths, 2023	Percentage Change‡ in Number of Deaths from 2022 to 2023
Butler	*	0.0	<5	0	N/A
Caldwell	0.0	*	0	<5	N/A
Calloway	*	*	<5	<5	N/A
Campbell	26.5	22.2	24	20	-16.7%
Carlisle	0.0	0.0	0	0	N/A
Carroll	*	*	5	<5	N/A
Carter	67.2*	68.9*	17	15	-11.8%
Casey	*	*	<5	<5	N/A
Christian	30.2	20.0*	21	11	-47.6%
Clark	*	64.6	9	22	144.4%
Clay	0.0	*	0	<5	N/A
Clinton	*	0.0	<5	0	N/A
Crittenden	0.0	*	0	<5	N/A
Cumberland	0.0	0.0	0	0	N/A
Daviess	13.5*	*	13	6	-53.8%

† Rates are presented as the number of deaths per 100,000 residents.

‡ Percentage change values are not available if there were no deaths in 2022 or if there were less than five deaths in either 2022 or 2023.

* Counts greater than zero but less than five and rates based on numbers greater than zero but less than 10 are suppressed in accordance with state data management policy. Rates based on counts less than 20 are unstable and should be interpreted with caution.

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Table 6.2.2, cont.: Numbers and rates† of drug overdose deaths involving fentanyl among Kentucky residents, by county of residence, 2019–2023

County	Age-Adjusted Rate, 2022	Age-Adjusted Rate, 2023	Number of Deaths, 2022	Number of Deaths, 2023	Percentage Change‡ in Number of Deaths from 2022 to 2023
Edmonson	*	*	<5	<5	N/A
Elliott	0.0	*	0	<5	N/A
Estill	*	*	<5	7	N/A
Fayette	46.0	36.5	139	113	-18.7%
Fleming	*	*	<5	<5	N/A
Floyd	52.2*	58.9*	16	17	6.2%
Franklin	46.8	37.2*	22	18	-18.2%
Fulton	*	0.0	<5	0	N/A
Gallatin	*	*	5	7	40%
Garrard	*	59.2*	<5	10	N/A
Grant	67.0*	*	15	5	-66.7%
Graves	*	*	<5	<5	N/A
Grayson	*	*	<5	<5	N/A
Green	*	*	<5	<5	N/A
Greenup	36.1*	28.6*	13	10	-23.1%

† Rates are presented as the number of deaths per 100,000 residents.

‡ Percentage change values are not available if there were no deaths in 2022 or there were less than five deaths in either 2022 or 2023.

* Counts greater than zero but less than five and rates based on numbers greater than zero but less than 10 are suppressed in accordance with state data management policy. Rates based on counts less than 20 are unstable and should be interpreted with caution.

Produced by the Kentucky Injury Prevention and Research Center, as bona fide agent for the Kentucky Department for Public Health. Data source: Kentucky Death Certificate Database, Kentucky Office of Vital Statistics, Cabinet for Health and Family Services. Data extracted May 2024. Data are provisional and subject to change.

Table 6.2.2, cont.: Numbers and rates† of drug overdose deaths involving fentanyl among Kentucky residents, by county of residence, 2019–2023

County	Age-Adjusted Rate, 2022	Age-Adjusted Rate, 2023	Number of Deaths, 2022	Number of Deaths, 2023	Percentage Change‡ in Number of Deaths from 2022 to 2023
Hancock	0.0	0.0	0	0	N/A
Hardin	25.3	22.9	27	23	-14.8%
Harlan	*	*	9	9	0%
Harrison	68.9*	*	12	<5	N/A
Hart	*	*	<5	<5	N/A
Henderson	28.9*	*	11	9	-18.2%
Henry	*	*	7	5	-28.6%
Hickman	0.0	0.0	0	0	N/A
Hopkins	*	*	<5	<5	N/A
Jackson	*	*	5	<5	N/A
Jefferson	57.7	55.5	426	408	-4.2%
Jessamine	73.4	49.8	36	25	-30.6%
Johnson	*	*	7	7	0%
Kenton	34.8	32.4	57	54	-5.3%
Knott	*	*	8	7	-12.5%

† Rates are presented as the number of deaths per 100,000 residents.

‡ Percentage change values are not available if there were no deaths in 2022 or there were less than five deaths in either 2022 or 2023.

* Counts greater than zero but less than five and rates based on numbers greater than zero but less than 10 are suppressed in accordance with state data management policy. Rates based on counts less than 20 are unstable and should be interpreted with caution.

Produced by the Kentucky Injury Prevention and Research Center, as bona fide agent for the Kentucky Department for Public Health. Data source: Kentucky Death Certificate Database, Kentucky Office of Vital Statistics, Cabinet for Health and Family Services. Data extracted May 2024. Data are provisional and subject to change.

Table 6.2.2, cont.: Numbers and rates† of drug overdose deaths involving fentanyl among Kentucky residents, by county of residence, 2019–2023

County	Age-Adjusted Rate, 2022	Age-Adjusted Rate, 2023	Number of Deaths, 2022	Number of Deaths, 2023	Percentage Change‡ in Number of Deaths from 2022 to 2023
Knox	*	*	<5	<5	N/A
Larue	*	*	<5	<5	N/A
Laurel	21.7*	24.7*	13	15	15.4%
Lawrence	*	*	9	6	-33.3%
Lee	*	*	9	8	-11.1%
Leslie	*	*	<5	<5	N/A
Letcher	*	*	7	<5	N/A
Lewis	*	*	<5	8	N/A
Lincoln	51.2*	65.8*	10	14	40%
Livingston	0.0	0.0	0	0	N/A
Logan	*	*	<5	<5	N/A
Lyon	0.0	0.0	0	0	N/A
Madison	51.9	59.1	46	51	10.9%
Magoffin	*	*	7	<5	N/A
Marion	*	*	9	<5	N/A

† Rates are presented as the number of deaths per 100,000 residents.

‡ Percentage change values are not available if there were no deaths in 2022 or there were less than five deaths in either 2022 or 2023.

* Counts greater than zero but less than five and rates based on numbers greater than zero but less than 10 are suppressed in accordance with state data management policy. Rates based on counts less than 20 are unstable and should be interpreted with caution.

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Table 6.2.2, cont.: Numbers and rates† of drug overdose deaths involving fentanyl among Kentucky residents, by county of residence, 2019–2023

County	Age-Adjusted Rate, 2022	Age-Adjusted Rate, 2023	Number of Deaths, 2022	Number of Deaths, 2023	Percentage Change‡ in Number of Deaths from 2022 to 2023
Marshall	*	*	<5	<5	N/A
Martin	*	*	<5	<5	N/A
Mason	*	*	9	<5	N/A
McCracken	*	*	8	7	-12.5%
McCreary	*	*	5	<5	N/A
McLean	*	*	<5	<5	N/A
Meade	*	*	<5	<5	N/A
Menifee	*	*	<5	5	N/A
Mercer	67.0*	*	13	<5	N/A
Metcalfe	*	0.0	<5	0	N/A
Monroe	*	*	<5	<5	N/A
Montgomery	58.7*	53.4*	15	15	0%
Morgan	*	*	<5	<5	N/A
Muhlenberg	*	*	<5	<5	N/A
Nelson	*	29.6*	9	13	44.4%

† Rates are presented as the number of deaths per 100,000 residents.

‡ Percentage change values are not available if there were no deaths in 2022 or there were less than five deaths in either 2022 or 2023.

* Counts greater than zero but less than five and rates based on numbers greater than zero but less than 10 are suppressed in accordance with state data management policy. Rates based on counts less than 20 are unstable and should be interpreted with caution.

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Table 6.2.2, cont.: Numbers and rates† of drug overdose deaths involving fentanyl among Kentucky residents, by county of residence, 2019–2023

County	Age-Adjusted Rate, 2022	Age-Adjusted Rate, 2023	Number of Deaths, 2022	Number of Deaths, 2023	Percentage Change‡ in Number of Deaths from 2022 to 2023
Nicholas	*	*	<5	<5	N/A
Ohio	*	0.0	<5	0	N/A
Oldham	*	19.4*	8	13	62.5%
Owen	*	*	5	<5	N/A
Owsley	*	*	<5	<5	N/A
Pendleton	*	*	<5	5	N/A
Perry	41.0*	62.2*	10	16	60%
Pike	63.8	51.3	34	27	-20.6%
Powell	*	84.8*	8	11	37.5%
Pulaski	23.7*	24.1*	14	13	-7.1%
Robertson	0.0	0.0	0	0	N/A
Rockcastle	*	88.5*	5	14	180%
Rowan	80.0*	68.4*	15	14	-6.7%
Russell	*	*	6	<5	N/A
Scott	22.0*	21.1*	13	12	-7.7%

† Rates are presented as the number of deaths per 100,000 residents.

‡ Percentage change values are not available if there were no deaths in 2022 or there were less than five deaths in either 2022 or 2023.

* Counts greater than zero but less than five and rates based on numbers greater than zero but less than 10 are suppressed in accordance with state data management policy. Rates based on counts less than 20 are unstable and should be interpreted with caution.

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Table 6.2.2, cont.: Numbers and rates† of drug overdose deaths involving fentanyl among Kentucky residents, by county of residence, 2019–2023

County	Age-Adjusted Rate, 2022	Age-Adjusted Rate, 2023	Number of Deaths, 2022	Number of Deaths, 2023	Percentage Change‡ in Number of Deaths from 2022 to 2023
Shelby	50.7	*	23	8	-65.2%
Simpson	*	*	<5	5	N/A
Spencer	*	*	5	<5	N/A
Taylor	48.3*	*	10	7	-30%
Todd	*	0.0	<5	0	N/A
Trigg	*	0.0	<5	0	N/A
Trimble	0.0	0.0	0	0	N/A
Union	*	0.0	<5	0	N/A
Warren	16.4	15.0*	21	19	-9.5%
Washington	*	*	<5	5	N/A
Wayne	0.0	*	0	<5	N/A
Webster	*	0.0	<5	0	N/A
Whitley	62.3	44.2*	21	14	-33.3%
Wolfe	*	*	<5	<5	N/A
Woodford	*	*	7	8	14.3%

† Rates are presented as the number of deaths per 100,000 residents.

‡ Percentage change values are not available if there were no deaths in 2022 or there were less than five deaths in either 2022 or 2023.

* Counts greater than zero but less than five and rates based on numbers greater than zero but less than 10 are suppressed in accordance with state data management policy. Rates based on counts less than 20 are unstable and should be interpreted with caution.

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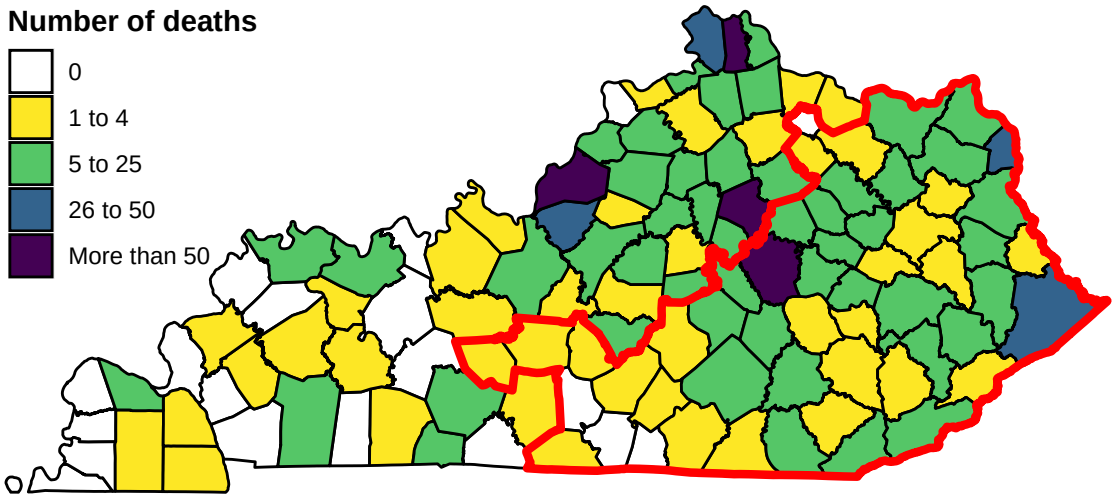
Figure 6.2.1: Number of Drug Overdose Deaths Involving Fentanyl by Kentucky County of Residence, 2023

Red line denotes Appalachian counties



Produced by the Kentucky Injury Prevention and Research Center, as bona fide agent for the Kentucky Department for Public Health. Data source: Kentucky Death Certificate Database, Kentucky Office of Vital Statistics, Cabinet for Health and Family Services. Data extracted May 2024. Data are provisional and subject to change.

Table 6.2.3: Numbers of drug overdose deaths involving fentanyl among Kentucky residents by sex, 2019–2023

Sex	Year	Total Drug Overdose Deaths	Drug Overdose Deaths Involving Fentanyl	Percentage of Total Drug Overdose Deaths that Involved Fentanyl
Female	2019	482	239	49.6%
	2020	607	376	61.9%
	2021	740	494	66.8%
	2022	753	482	64.0%
	2023	653	415	63.6%
Male	2019	834	504	60.4%
	2020	1,358	978	72.0%
	2021	1,517	1,075	70.9%
	2022	1,447	1,042	72.0%
	2023	1,333	974	73.1%

Produced by the Kentucky Injury Prevention and Research Center, as bona fide agent for the Kentucky Department for Public Health. Data source: Kentucky Death Certificate Database, Kentucky Office of Vital Statistics, Cabinet for Health and Family Services. Data extracted May 2024. Data are provisional and subject to change.

Table 6.2.4: Numbers of drug overdose deaths involving fentanyl among Kentucky residents by race and ethnicity, 2019–2023

Race/ Ethnicity	Year	Total Drug Overdose Deaths	Drug Overdose Deaths Involving Fentanyl	Percentage of Total Drug Overdose Deaths that Involved Fentanyl
Non-Hispanic White	2019	1,187	661	55.7%
	2020	1,765	1,209	68.5%
	2021	1,984	1,346	67.8%
	2022	1,878	1,258	67.0%
	2023	1,668	1,135	68.0%
Non-Hispanic Black	2019	105	68	64.8%
	2020	172	128	74.4%
	2021	233	190	81.5%
	2022	258	211	81.8%
	2023	261	210	80.5%
Hispanic	2019	19	11	57.9%
	2020	25	15	60.0%
	2021	29	26	89.7%
	2022	49	41	83.7%
	2023	42	32	76.2%

Produced by the Kentucky Injury Prevention and Research Center, as bona fide agent for the Kentucky Department for Public Health. Data source: Kentucky Death Certificate Database, Kentucky Office of Vital Statistics, Cabinet for Health and Family Services. Data extracted May 2024. Data are provisional and subject to change.

Table 6.2.5: Numbers of drug overdose deaths involving fentanyl among Kentucky residents by age group, 2019–2023

Age Group	Year	Total Drug Overdose Deaths	Drug Overdose Deaths Involving Fentanyl	Percentage of Total Drug Overdose Deaths that Involved Fentanyl
0 to 24	2019	68	42	61.8%
	2020	131	101	77.1%
	2021	142	117	82.4%
	2022	126	108	85.7%
	2023	104	91	87.5%
25 to 34	2019	298	210	70.5%
	2020	463	399	86.2%
	2021	485	395	81.4%
	2022	446	355	79.6%
	2023	364	290	79.7%
35 to 44	2019	366	224	61.2%
	2020	572	422	73.8%
	2021	675	507	75.1%
	2022	659	496	75.3%
	2023	572	440	76.9%
45 to 54	2019	325	168	51.7%
	2020	404	234	57.9%
	2021	495	323	65.3%
	2022	516	317	61.4%
	2023	477	323	67.7%
55 to 64	2019	198	91	46.0%
	2020	304	169	55.6%
	2021	372	202	54.3%
	2022	347	207	59.7%
	2023	362	211	58.3%
65+	2019	61	8	13.1%
	2020	91	29	31.9%
	2021	88	25	28.4%
	2022	106	41	38.7%
	2023	107	34	31.8%

Produced by the Kentucky Injury Prevention and Research Center, as bona fide agent for the Kentucky Department for Public Health. Data source: Kentucky Death Certificate Database, Kentucky Office of Vital Statistics, Cabinet for Health and Family Services. Data extracted May 2024. Data are provisional and subject to change.

Table 6.2.6: Numbers of drug overdose deaths involving fentanyl among Kentucky residents by Appalachian region, 2019–2023

Region	Year	Total Drug Overdose Deaths	Drug Overdose Deaths Involving Fentanyl	Percentage of Total Drug Overdose Deaths that Involved Fentanyl
Appalachian[1]	2020	366	147	40.2%
	2020	564	331	58.7%
	2021	748	458	61.2%
	2022	718	431	60.0%
	2023	693	448	64.6%
Non-Appalachian	2019	950	596	62.7%
	2020	1,401	1,023	73.0%
	2021	1,509	1,111	73.6%
	2022	1,482	1,093	73.8%
	2023	1,293	941	72.8%

[1] The Appalachian region includes the Kentucky counties of Adair, Bath, Bell, Boyd, Breathitt, Carter, Casey, Clark, Clay, Clinton, Cumberland, Edmonson, Elliott, Estill, Fleming, Floyd, Garrard, Green, Greenup, Harlan, Hart, Jackson, Johnson, Knott, Knox, Laurel, Lawrence, Lee, Leslie, Letcher, Lewis, Lincoln, McCreary, Madison, Magoffin, Martin, Menifee, Metcalfe, Monroe, Montgomery, Morgan, Nicholas, Owsley, Perry, Pike, Powell, Pulaski, Robertson, Rockcastle, Rowan, Russell, Wayne, Whitley, and Wolfe.

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6.3 Methamphetamine

Methamphetamine was involved in 769 of the 1,986 drug overdose deaths in 2023, representing 38.7% of the total drug overdose deaths that year. This is a decrease of 11.2% from the 866 deaths in 2022. In 2023, the average age for a person who died from a drug overdose involving methamphetamine was 44.5 years, which is higher than the average age for drug overdose deaths involving all drugs of 44.4 years.

The Kentucky counties with the highest numbers of methamphetamine-involved drug overdose deaths in 2023 were 1) Jefferson, with 185 deaths; 2) Fayette, with 38 deaths; 3) Hardin, with 23 deaths; 4) Madison, with 22 deaths; and 5) Floyd, with 19 deaths.

Meanwhile, the Kentucky counties with the highest age-adjusted rates of drug overdose deaths involving methamphetamine in 2023 were 1) Breathitt, with 103.4 deaths per 100,000 residents; 2) Floyd, with 63.7 deaths per 100,000 residents; 3) Rowan, with 60.3 deaths per 100,000 residents; 4) Harlan, with 44.4 deaths per 100,000 residents; and 5) Montgomery with 39.8 deaths per 100,000 residents. Rates based on counts less than 20 are unstable and should be interpreted with caution. Counties with fewer than 10 drug overdose deaths involving methamphetamine were excluded from this list.

Finally, the five Kentucky counties with the greatest reportable percentage increases in the number of methamphetamine-involved drug overdose deaths from 2022 to 2023 were 1) Madison, with a 175% increase from 8 deaths in 2022 to 22 deaths in 2023; 2) Rowan, with a 62.5% increase from 8 deaths in 2022 to 13 deaths in 2023; 3) Boyle, with a 60% increase from 5 deaths in 2022 to 8 deaths in 2023, 4) Laurel, with a 54.5% increase from 11 deaths in 2022 to 17 deaths in 2023; and 5) Bell, with a 50% increase from 6 deaths in 2022 to 9 deaths in 2023.

Table 6.3.1: Number of drug overdose deaths among Kentucky residents involving methamphetamine, 2019–2023

Year	Total Drug Overdose Deaths	Drug Overdose Deaths Involving Methamphetamine	Percent of Total Drug Overdose Deaths that Involved Methamphetamine
2019	1,316	380	28.9%
2020	1,965	579	29.5%
2021	2,257	859	38.1%
2022	2,200	866	39.4%
2023	1,986	769	38.7%

Produced by the Kentucky Injury Prevention and Research Center, as bona fide agent for the Kentucky Department for Public Health. Data source: Kentucky Death Certificate Database, Kentucky Office of Vital Statistics, Cabinet for Health and Family Services. Data extracted May 2024. Data are provisional and subject to change.

Table 6.3.2: Numbers and rates† of drug overdose deaths involving methamphetamine among Kentucky residents, by county of residence, 2019–2023

County	Age-Adjusted Rate, 2022	Age-Adjusted Rate, 2023	Number of Deaths, 2022	Number of Deaths, 2023	Percentage Change† in Number of Deaths from 2022 to 2023
Adair	*	*	6	<5	N/A
Allen	*	0.0	5	0	-100%
Anderson	*	*	6	<5	N/A
Ballard	0.0	0.0	0	0	N/A
Barren	*	*	6	5	-16.7%
Bath	*	*	9	<5	N/A
Bell	*	*	6	9	50%
Boone	9.0	*	13	6	-53.8%
Bourbon	*	*	<5	<5	N/A
Boyd	51.3	30.9*	24	14	-41.7%
Boyle	*	*	5	8	60%
Bracken	*	*	<5	<5	N/A
Breathitt	*	103.4*	<5	12	N/A
Breckinridge	*	*	<5	<5	N/A
Bullitt	14.2*	18.8*	12	15	25%

† Rates are presented as the number of deaths per 100,000 residents.

‡ Percentage change values are not available if there were no deaths in 2022 or there were less than five deaths in either 2022 or 2023.

* Counts greater than zero but less than five and rates based on numbers greater than zero but less than 10 are suppressed in accordance with state data management policy. Rates based on counts less than 20 are unstable and should be interpreted with caution.

Produced by the Kentucky Injury Prevention and Research Center, as bona fide agent for the Kentucky Department for Public Health. Data source: Kentucky Death Certificate Database, Kentucky Office of Vital Statistics, Cabinet for Health and Family Services. Data extracted May 2024. Data are provisional and subject to change.

Table 6.3.2, cont.: Numbers and rates† of drug overdose deaths involving methamphetamine among Kentucky residents, by county of residence, 2019–2023

County	Age-Adjusted Rate, 2022	Age-Adjusted Rate, 2023	Number of Deaths, 2022	Number of Deaths, 2023	Percentage Change† in Number of Deaths from 2022 to 2023
Butler	*	*	<5	<5	N/A
Caldwell	0.0	0.0	0	0	N/A
Calloway	*	0.0	<5	0	N/A
Campbell	*	*	8	8	0%
Carlisle	0.0	*	0	<5	N/A
Carroll	*	*	5	<5	N/A
Carter	43.5*	*	10	9	-10%
Casey	*	*	<5	<5	N/A
Christian	*	*	9	6	-33.3%
Clark	*	*	6	8	33.3%
Clay	*	*	7	7	0%
Clinton	*	*	<5	<5	N/A
Crittenden	*	0.0	<5	0	N/A
Cumberland	*	0.0	<5	0	N/A
Daviess	14.8*	*	15	8	-46.7%

† Rates are presented as the number of deaths per 100,000 residents.

‡ Percentage change values are not available if there were no deaths in 2022 or there were less than five deaths in either 2022 or 2023.

* Counts greater than zero but less than five and rates based on numbers greater than zero but less than 10 are suppressed in accordance with state data management policy. Rates based on counts less than 20 are unstable and should be interpreted with caution.

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Table 6.3.2, cont.: Numbers and rates† of drug overdose deaths involving methamphetamine among Kentucky residents, by county of residence, 2019–2023

County	Age-Adjusted Rate, 2022	Age-Adjusted Rate, 2023	Number of Deaths, 2022	Number of Deaths, 2023	Percentage Change† in Number of Deaths from 2022 to 2023
Edmonson	0.0	*	0	<5	N/A
Elliott	0.0	*	0	<5	N/A
Estill	*	*	<5	<5	N/A
Fayette	17.3	13.0	51	38	-25.5%
Fleming	*	*	<5	<5	N/A
Floyd	39.0*	63.7*	13	19	46.2%
Franklin	*	*	9	9	0%
Fulton	0.0	0.0	0	0	N/A
Gallatin	*	*	<5	<5	N/A
Garrard	*	*	<5	5	N/A
Grant	50.5*	*	11	<5	N/A
Graves	*	0.0	<5	0	N/A
Grayson	*	*	<5	<5	N/A
Green	*	*	<5	<5	N/A
Greenup	*	*	6	5	-16.7%

† Rates are presented as the number of deaths per 100,000 residents.

‡ Percentage change values are not available if there were no deaths in 2022 or there were less than five deaths in either 2022 or 2023.

* Counts greater than zero but less than five and rates based on numbers greater than zero but less than 10 are suppressed in accordance with state data management policy. Rates based on counts less than 20 are unstable and should be interpreted with caution.

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Table 6.3.2, cont.: Numbers and rates† of drug overdose deaths involving methamphetamine among Kentucky residents, by county of residence, 2019–2023

County	Age-Adjusted Rate, 2022	Age-Adjusted Rate, 2023	Number of Deaths, 2022	Number of Deaths, 2023	Percentage Change† in Number of Deaths from 2022 to 2023
Hancock	0.0	0.0	0	0	N/A
Hardin	21.5	21.9	23	23	0%
Harlan	*	44.4*	8	10	25%
Harrison	*	*	<5	<5	N/A
Hart	*	*	<5	<5	N/A
Henderson	*	*	<5	6	N/A
Henry	*	*	<5	<5	N/A
Hickman	0.0	*	0	<5	N/A
Hopkins	*	*	8	<5	N/A
Jackson	*	*	<5	<5	N/A
Jefferson	27.0	25.3	195	185	-5.1%
Jessamine	27.6*	20.8*	14	12	-14.3%
Johnson	*	*	<5	7	N/A
Kenton	7.9*	11.5*	13	19	46.2%
Knott	103.8*	*	11	8	-27.3%

† Rates are presented as the number of deaths per 100,000 residents.

‡ Percentage change values are not available if there were no deaths in 2022 or there were less than five deaths in either 2022 or 2023.

* Counts greater than zero but less than five and rates based on numbers greater than zero but less than 10 are suppressed in accordance with state data management policy. Rates based on counts less than 20 are unstable and should be interpreted with caution.

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Table 6.3.2, cont.: Numbers and rates† of drug overdose deaths involving methamphetamine among Kentucky residents, by county of residence, 2019–2023

County	Age-Adjusted Rate, 2022	Age-Adjusted Rate, 2023	Number of Deaths, 2022	Number of Deaths, 2023	Percentage Change† in Number of Deaths from 2022 to 2023
Knox	*	*	5	<5	N/A
Larue	*	*	<5	<5	N/A
Laurel	18.2*	27.6*	11	17	54.5%
Lawrence	*	*	<5	<5	N/A
Lee	*	*	<5	5	N/A
Leslie	*	*	<5	<5	N/A
Letcher	*	*	7	<5	N/A
Lewis	*	*	5	6	20%
Lincoln	49.1*	*	10	9	-10%
Livingston	0.0	0.0	0	0	N/A
Logan	*	*	<5	<5	N/A
Lyon	0.0	0.0	0	0	N/A
Madison	*	25.0*	8	22	175%
Magoffin	*	*	<5	<5	N/A
Marion	*	*	6	<5	N/A

† Rates are presented as the number of deaths per 100,000 residents.

‡ Percentage change values are not available if there were no deaths in 2022 or there were less than five deaths in either 2022 or 2023.

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Table 6.3.2, cont.: Numbers and rates† of drug overdose deaths involving methamphetamine among Kentucky residents, by county of residence, 2019–2023

County	Age-Adjusted Rate, 2022	Age-Adjusted Rate, 2023	Number of Deaths, 2022	Number of Deaths, 2023	Percentage Change† in Number of Deaths from 2022 to 2023
Marshall	*	*	<5	<5	N/A
Martin	*	*	<5	<5	N/A
Mason	*	*	5	<5	N/A
McCracken	*	*	9	6	-33.3%
McCreary	*	0.0	6	0	-100%
McLean	*	0.0	<5	0	N/A
Meade	*	*	<5	5	N/A
Menifee	*	*	<5	<5	N/A
Mercer	*	*	9	<5	N/A
Metcalfe	*	0.0	<5	0	N/A
Monroe	*	*	<5	<5	N/A
Montgomery	*	39.8*	8	11	37.5%
Morgan	*	*	<5	<5	N/A
Muhlenberg	*	*	<5	<5	N/A
Nelson	*	*	6	6	0%

† Rates are presented as the number of deaths per 100,000 residents.

‡ Percentage change values are not available if there were no deaths in 2022 or there were less than five deaths in either 2022 or 2023.

* Counts greater than zero but less than five and rates based on numbers greater than zero but less than 10 are suppressed in accordance with state data management policy. Rates based on counts less than 20 are unstable and should be interpreted with caution.

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Table 6.3.2, cont.: Numbers and rates† of drug overdose deaths involving methamphetamine among Kentucky residents, by county of residence, 2019–2023

County	Age-Adjusted Rate, 2022	Age-Adjusted Rate, 2023	Number of Deaths, 2022	Number of Deaths, 2023	Percentage Change† in Number of Deaths from 2022 to 2023
Nicholas	0.0	*	0	<5	N/A
Ohio	*	0.0	<5	0	N/A
Oldham	*	*	<5	5	N/A
Owen	*	*	<5	<5	N/A
Owsley	*	*	<5	<5	N/A
Pendleton	*	*	<5	<5	N/A
Perry	*	39.3*	8	10	25%
Pike	47.5	35.8	26	19	-26.9%
Powell	*	*	7	<5	N/A
Pulaski	23.6*	21.1*	14	12	-14.3%
Robertson	0.0	0.0	0	0	N/A
Rockcastle	*	*	<5	8	N/A
Rowan	*	60.3*	8	13	62.5%
Russell	*	*	6	<5	N/A
Scott	16.7*	*	10	6	-40%

† Rates are presented as the number of deaths per 100,000 residents.

‡ Percentage change values are not available if there were no deaths in 2022 or there were less than five deaths in either 2022 or 2023.

* Counts greater than zero but less than five and rates based on numbers greater than zero but less than 10 are suppressed in accordance with state data management policy. Rates based on counts less than 20 are unstable and should be interpreted with caution.

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Table 6.3.2, cont.: Numbers and rates† of drug overdose deaths involving methamphetamine among Kentucky residents, by county of residence, 2019–2023

County	Age-Adjusted Rate, 2022	Age-Adjusted Rate, 2023	Number of Deaths, 2022	Number of Deaths, 2023	Percentage Change† in Number of Deaths from 2022 to 2023
Shelby	25.9*	*	12	<5	N/A
Simpson	*	*	<5	<5	N/A
Spencer	0.0	0.0	0	0	N/A
Taylor	*	*	8	6	-25%
Todd	*	*	<5	<5	N/A
Trigg	0.0	0.0	0	0	N/A
Trimble	0.0	0.0	0	0	N/A
Union	*	0.0	<5	0	N/A
Warren	8.6*	8.5*	10	10	0%
Washington	*	*	<5	<5	N/A
Wayne	*	*	<5	5	N/A
Webster	*	0.0	<5	0	N/A
Whitley	48.0*	31.8*	15	10	-33.3%
Wolfe	*	*	<5	<5	N/A
Woodford	*	*	<5	<5	N/A

† Rates are presented as the number of deaths per 100,000 residents.

‡ Percentage change values are not available if there were no deaths in 2022 or there were less than five deaths in either 2022 or 2023.

* Counts greater than zero but less than five and rates based on numbers greater than zero but less than 10 are suppressed in accordance with state data management policy. Rates based on counts less than 20 are unstable and should be interpreted with caution.

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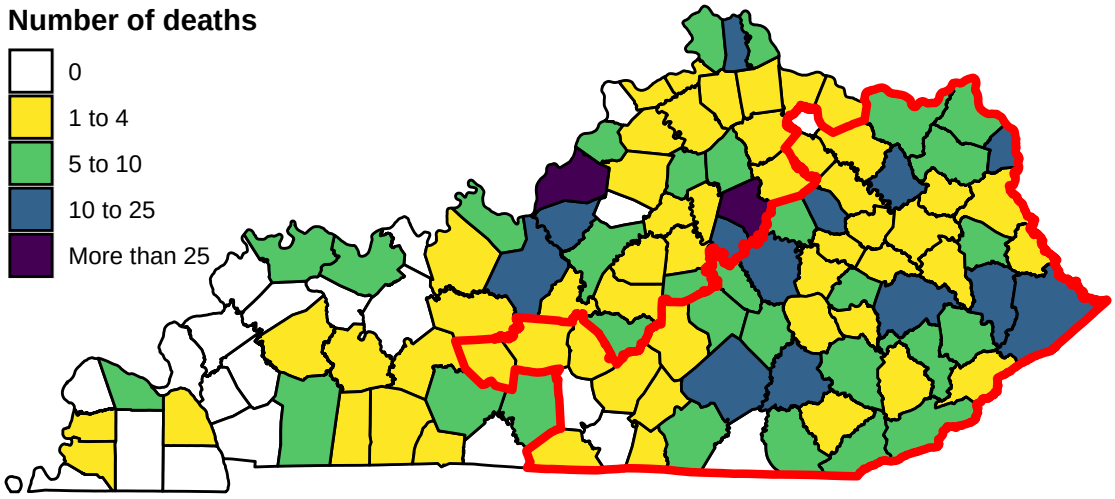
Figure 6.3.1: Number of drug overdose deaths involving methamphetamine by Kentucky county of residence, 2023

Red line denotes Appalachian counties



Produced by the Kentucky Injury Prevention and Research Center, as bona fide agent for the Kentucky Department for Public Health. Data source: Kentucky Death Certificate Database, Kentucky Office of Vital Statistics, Cabinet for Health and Family Services. Data extracted May 2024. Data are provisional and subject to change.

Table 6.3.3: Numbers of drug overdose deaths involving methamphetamine among Kentucky residents by sex, 2019–2023

Sex	Year	Total Drug Overdose Deaths	Drug Overdose Deaths Involving Methamphetamine	Percentage of Total Drug Overdose Deaths that Involved Methamphetamine
Female	2019	482	122	25.3%
	2020	607	167	27.5%
	2021	740	260	35.1%
	2022	753	285	37.8%
	2023	653	236	36.1%
Male	2019	834	258	30.9%
	2020	1,358	412	30.3%
	2021	1,517	599	39.5%
	2022	1,447	581	40.2%
	2023	1,333	533	40.0%

Produced by the Kentucky Injury Prevention and Research Center, as bona fide agent for the Kentucky Department for Public Health. Data source: Kentucky Death Certificate Database, Kentucky Office of Vital Statistics, Cabinet for Health and Family Services. Data extracted May 2024. Data are provisional and subject to change.

Table 6.3.4: Numbers of drug overdose deaths involving methamphetamine among Kentucky residents by race and ethnicity, 2019–2023

Race/ Ethnicity	Year	Total Drug Overdose Deaths	Drug Overdose Deaths Involving Methamphetamine	Percentage of Total Drug Overdose Deaths that Involved Methamphetamine
Non-Hispanic White	2019	1,187	362	30.5%
	2020	1,765	536	30.4%
	2021	1,984	789	39.8%
	2022	1,878	789	42.0%
	2023	1,668	689	41.3%
Non-Hispanic Black	2019	105	14	13.3%
	2020	172	39	22.7%
	2021	233	65	27.9%
	2022	258	62	24.0%
	2023	261	62	23.8%
Hispanic	2019	19	<5	N/A
	2020	25	<5	N/A
	2021	29	<5	N/A
	2022	49	9	18.4%
	2023	42	11	26.2%

Numbers greater than zero but less than five and rates based on numbers greater than zero but less than 10 have been suppressed in accordance with state data management policy. Produced by the Kentucky Injury Prevention and Research Center, as bona fide agent for the Kentucky Department for Public Health. Data source: Kentucky Death Certificate Database, Kentucky Office of Vital Statistics, Cabinet for Health and Family Services. Data extracted May 2024. Data are provisional and subject to change.

Table 6.3.12: Numbers of drug overdose deaths involving methamphetamine among Kentucky residents by age group, 2019–2023

Age Group	Year	Total Drug Overdose Deaths	Drug Overdose Deaths Involving Methamphetamine	Percentage of Total Drug Overdose Deaths that Involved Methamphetamine
0 to 24	2019	68	19	27.9%
	2020	131	30	22.9%
	2021	142	38	26.8%
	2022	126	25	19.8%
	2023	104	25	24.0%
25 to 34	2019	298	88	29.5%
	2020	463	135	29.2%
	2021	485	189	39.0%
	2022	446	168	37.7%
	2023	364	130	35.7%
35 to 44	2019	366	121	33.1%
	2020	572	192	33.6%
	2021	675	295	43.7%
	2022	659	296	44.9%
	2023	572	257	44.9%
45 to 54	2019	325	96	29.5%
	2020	404	140	34.7%
	2021	495	203	41.0%
	2022	516	219	42.4%
	2023	477	190	39.8%
55 to 64	2019	198	49	24.7%
	2020	304	68	22.4%
	2021	372	120	32.3%
	2022	347	132	38.0%
	2023	362	144	39.8%
65+	2019	61	7	11.5%
	2020	91	14	15.4%
	2021	88	14	15.9%
	2022	106	26	24.5%
	2023	107	23	21.5%

Produced by the Kentucky Injury Prevention and Research Center, as bona fide agent for the Kentucky Department for Public Health. Data source: Kentucky Death Certificate Database, Kentucky Office of Vital Statistics, Cabinet for Health and Family Services. Data extracted May 2024. Data are provisional and subject to change.

Table 6.3.13: Numbers of drug overdose deaths involving methamphetamine among Kentucky residents by Appalachian region, 2019–2023

Region	Year	Total Drug Overdose Deaths	Drug Overdose Deaths Involving Methamphetamine	Percentage of Total Drug Overdose Deaths that Involved Methamphetamine
Appalachian[1]	2019	366	123	33.6%
	2020	564	192	34.0%
	2021	748	332	44.4%
	2022	718	318	44.3%
	2023	693	313	45.2%
Non-Appalachian	2019	950	257	27.1%
	2020	1,401	387	27.6%
	2021	1,509	527	34.9%
	2022	1,482	548	37.0%
	2023	1,293	456	35.3%

[1] The Appalachian region includes the Kentucky counties of Adair, Bath, Bell, Boyd, Breathitt, Carter, Casey, Clark, Clay, Clinton, Cumberland, Edmonson, Elliott, Estill, Fleming, Floyd, Garrard, Green, Greenup, Harlan, Hart, Jackson, Johnson, Knott, Knox, Laurel, Lawrence, Lee, Leslie, Letcher, Lewis, Lincoln, McCreary, Madison, Magoffin, Martin, Menifee, Metcalfe, Monroe, Montgomery, Morgan, Nicholas, Owsley, Perry, Pike, Powell, Pulaski, Robertson, Rockcastle, Rowan, Russell, Wayne, Whitley, and Wolfe.

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6.4 Polysubstance

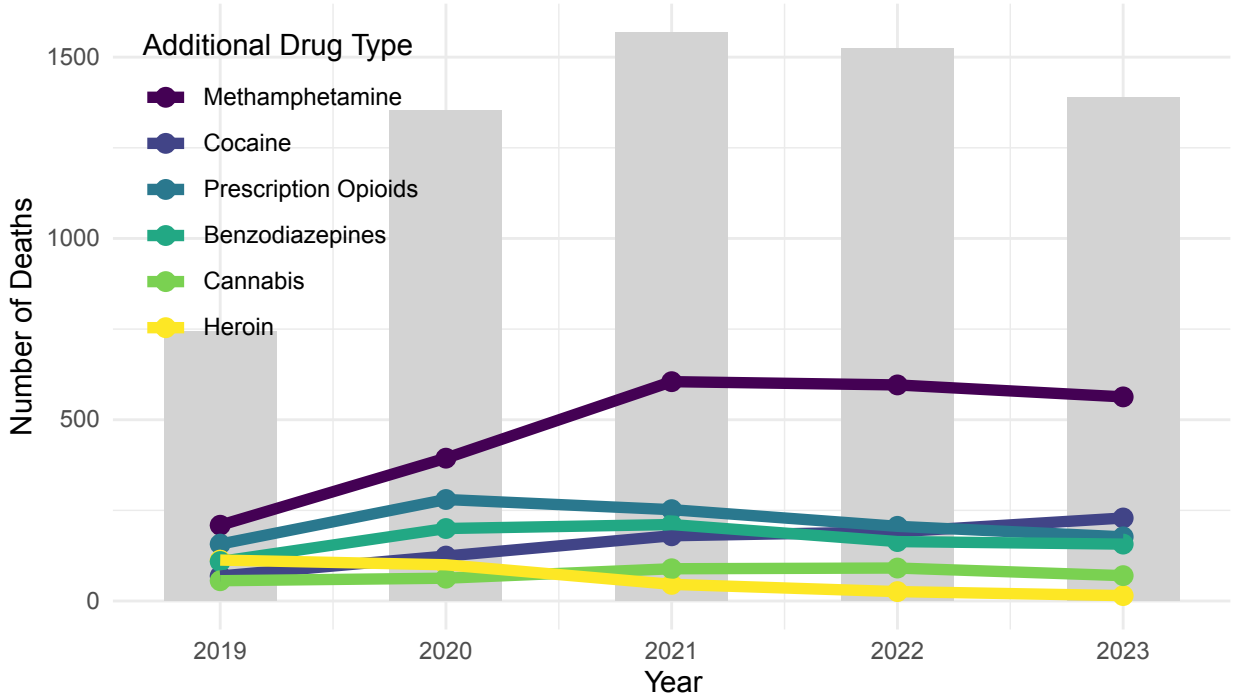
In 2023, 91.6% of drug overdoses that involved fentanyl also involved at least one additional type of drug. The most common drugs listed alongside fentanyl among those who died in 2023 were 1) methamphetamine, with 563 deaths; 2) cocaine, with 229 deaths; and 3) prescription opioids, with 177 deaths. Similarly, 89.3% of drug overdose deaths that involved methamphetamine, 96.1% of drug overdose deaths that involved cocaine, and 91.9% of drug overdose deaths that involved a prescription opioid also involved at least one additional type of drug. Due to the unique pharmacology of the drugs, 100% of drug overdose deaths that involved a benzodiazepine and 100% of drug overdose deaths that involved cannabis also involved at least one other type of drug.

Table 6.4.1: Number of drug overdose deaths among Kentucky residents involving fentanyl with the presence of additional drugs, 2019–2023

Drug Type(s)	2019	2020	2021	2022	2023
Total Fentanyl	743	1,354	1,569	1,524	1,389
+ Methamphetamine	209	394	605	596	563
+ Cocaine	69	124	180	191	229
+ Prescription Opioids	157	280	252	206	177
+ Heroin	113	100	46	26	15
+ Benzodiazepines	109	200	211	164	157
+ Cannabis	56	63	89	91	70
+ Other Drugs	627	1,165	1,315	1,249	1,172
Fentanyl Only	67	107	132	131	116

Drug types are not mutually exclusive. A fentanyl overdose that involves multiple additional drugs will be counted in each relevant category. Produced by the Kentucky Injury Prevention and Research Center, as bona fide agent for the Kentucky Department for Public Health. Data source: Kentucky Death Certificate Database, Kentucky Office of Vital Statistics, Cabinet for Health and Family Services. Data extracted May 2024. Data are provisional and subject to change.

Figure 6.4.1: Number of drug overdose deaths involving fentanyl and at least one other drug type among Kentucky residents, 2019–2023



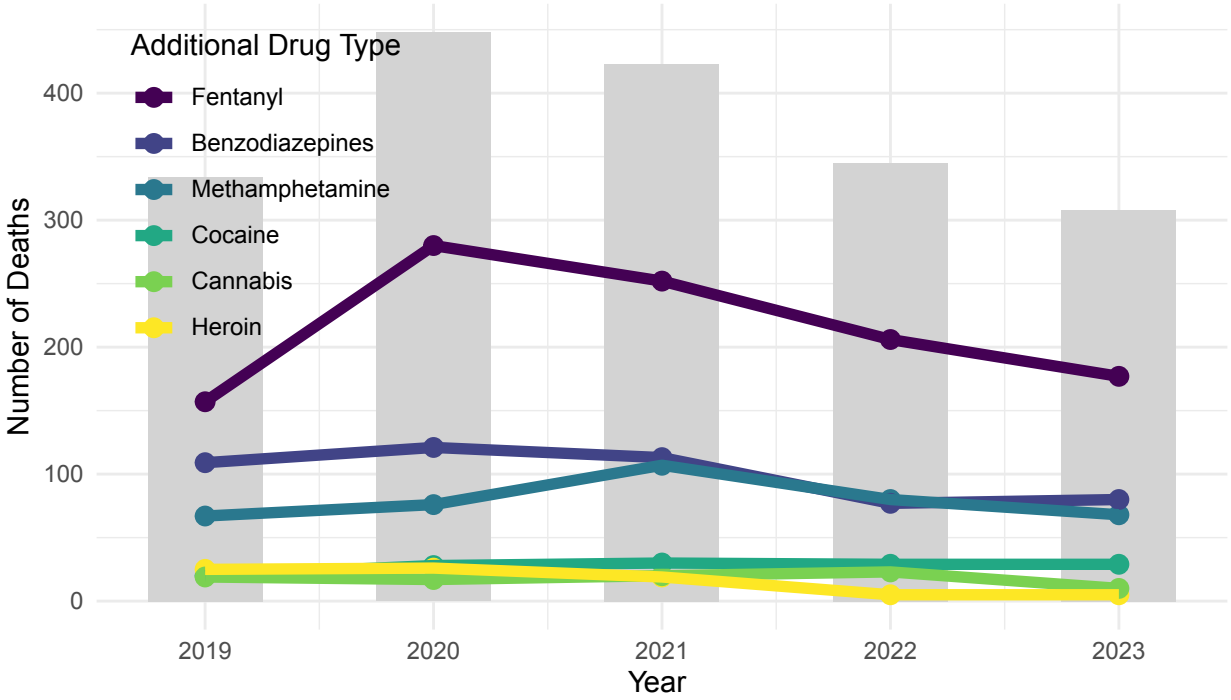
Columns display the total number of deaths involving fentanyl. Additional drug types are not mutually exclusive. An overdose that involves multiple additional drugs will be counted in each relevant category. Produced by the Kentucky Injury Prevention and Research Center, as bona fide agent for the Kentucky Department for Public Health. Data source: Kentucky Death Certificate Database, Kentucky Office of Vital Statistics, Cabinet for Health and Family Services. Data extracted May 2024. Data are provisional and subject to change.

Table 6.4.2: Number of drug overdose deaths among Kentucky residents involving prescription opioids with the presence of additional drugs, 2019–2023

Drug Type(s)	2019	2020	2021	2022	2023
Total Prescription Opioids	334	448	423	345	308
+ Fentanyl	157	280	252	206	177
+ Methamphetamine	67	76	107	80	68
+ Cocaine	20	28	30	29	29
+ Heroin	25	26	19	5	5
+ Benzodiazepines	109	121	113	77	80
+ Cannabis	19	17	20	23	10
+ Other Drugs	289	396	371	289	254
Prescription Opioids Only	25	24	19	22	25

Drug types are not mutually exclusive. A prescription opioid overdose that involves multiple additional drugs will be counted in each relevant category. Produced by the Kentucky Injury Prevention and Research Center, as bona fide agent for the Kentucky Department for Public Health. Data source: Kentucky Death Certificate Database, Kentucky Office of Vital Statistics, Cabinet for Health and Family Services. Data extracted May 2024. Data are provisional and subject to change.

Figure 6.4.2: Number of drug overdose deaths involving a prescription opioid and at least one other drug type among Kentucky residents, 2019–2023



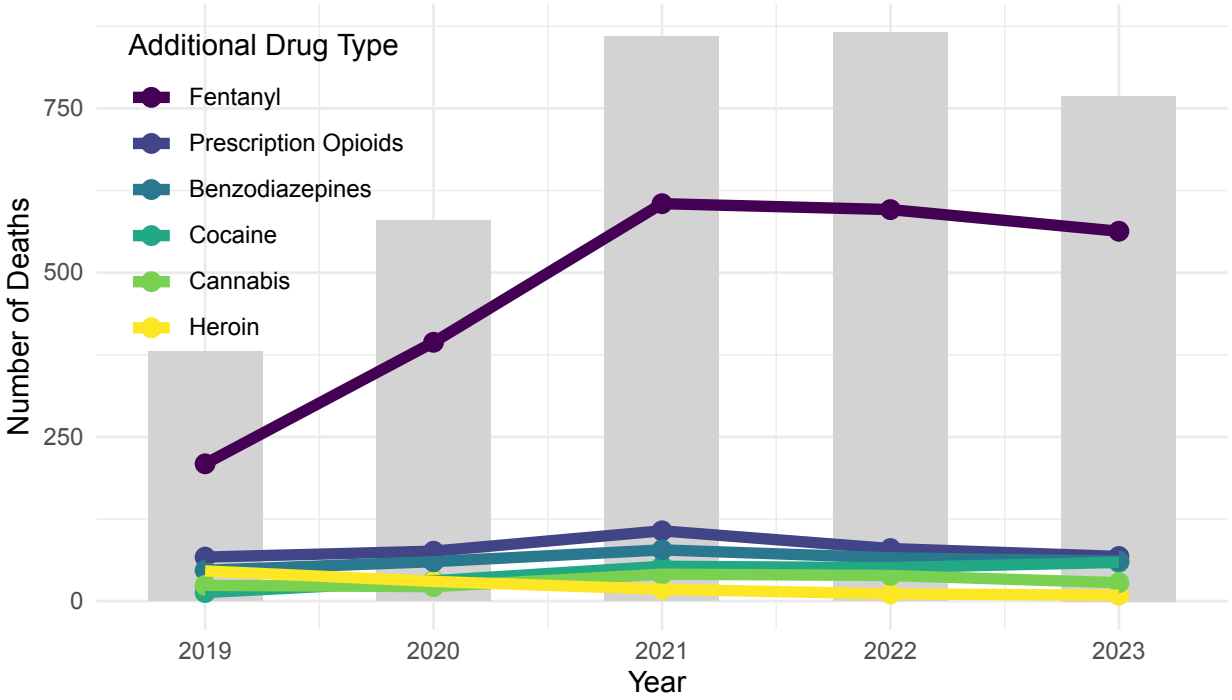
Columns display the total number of deaths involving a prescription opioid. Additional drug types are not mutually exclusive. Produced by the Kentucky Injury Prevention and Research Center, as bona fide agent for the Kentucky Department for Public Health. Data source: Kentucky Death Certificate Database, Kentucky Office of Vital Statistics, Cabinet for Health and Family Services. Data extracted May 2024. Data are provisional and subject to change.

Table 6.4.3: Number of drug overdose deaths involving methamphetamine among Kentucky residents with the presence of additional drugs, 2019–2023

Drug Type(s)	2019	2020	2021	2022	2023
Total Methamphetamine	380	579	859	866	769
+ Fentanyl	209	394	605	596	563
+ Cocaine	13	31	53	51	59
+ Prescription Opioids	67	76	107	80	68
+ Heroin	46	30	18	11	9
+ Benzodiazepines	47	60	78	66	61
+ Cannabis	24	22	41	39	28
+ Other Drugs	300	473	702	676	622
Methamphetamine Only	51	57	77	97	82

Drug types are not mutually exclusive. A methamphetamine overdose that involves multiple additional drugs will be counted in each relevant category. Produced by the Kentucky Injury Prevention and Research Center, as bona fide agent for the Kentucky Department for Public Health. Data source: Kentucky Death Certificate Database, Kentucky Office of Vital Statistics, Cabinet for Health and Family Services. Data extracted May 2024. Data are provisional and subject to change.

Figure 6.4.3: Number of drug overdose deaths involving methamphetamine and at least one other drug type among Kentucky residents, 2019–2023



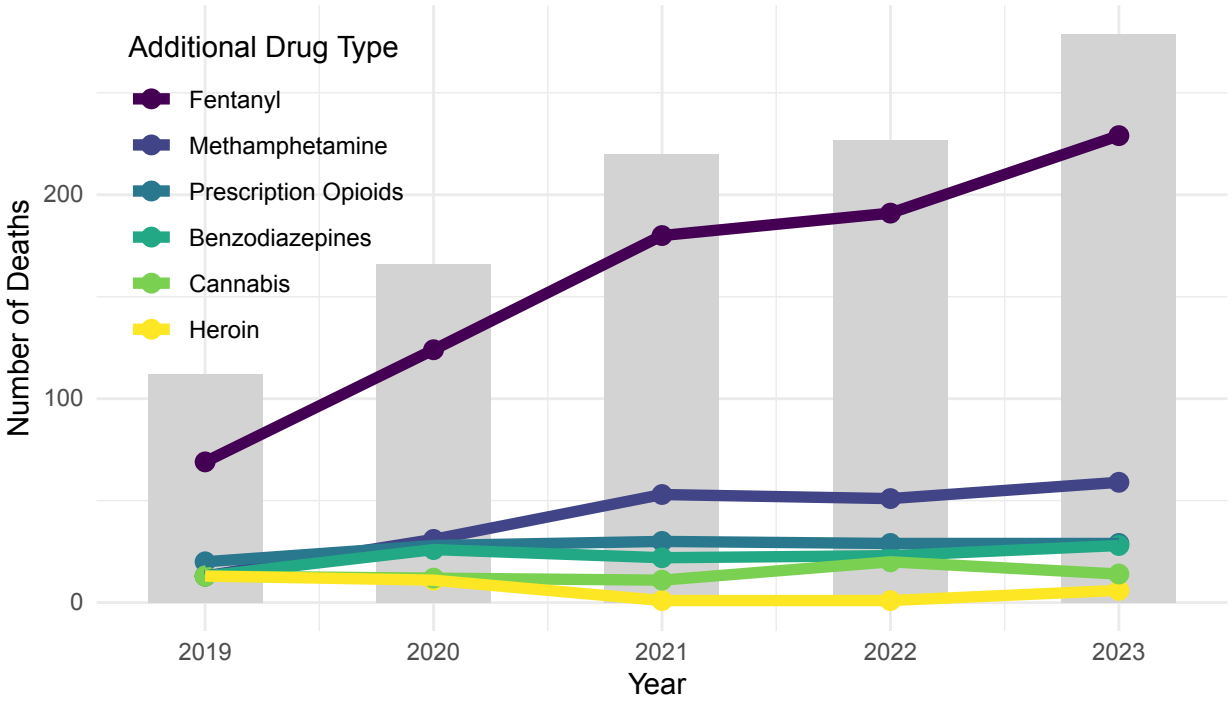
Columns display the total number of deaths involving methamphetamine. Additional drug types are not mutually exclusive. An overdose that involves multiple additional drugs will be counted in each relevant category. Produced by the Kentucky Injury Prevention and Research Center, as bona fide agent for the Kentucky Department for Public Health. Data source: Kentucky Death Certificate Database, Kentucky Office of Vital Statistics, Cabinet for Health and Family Services. Data extracted May 2024. Data are provisional and subject to change.

Table 6.4.4: Number of drug overdose deaths among Kentucky residents involving cocaine with the presence of additional drugs, 2019–2023

Drug Type(s)	2019	2020	2021	2022	2023
Total Cocaine	112	166	220	227	279
+ Fentanyl	69	124	180	191	229
+ Methamphetamine	13	31	53	51	59
+ Prescription Opioids	20	28	30	29	29
+ Heroin	13	11	<5	<5	6
+ Benzodiazepines	13	26	22	23	28
+ Cannabis	13	12	11	20	14
+ Other Drugs	89	147	191	186	245
Cocaine Only	8	5	6	10	11

Numbers greater than zero but less than five have been suppressed in accordance with state data management policy. Drug types are not mutually exclusive. A cocaine overdose that involves multiple additional drugs will be counted in each relevant category. Produced by the Kentucky Injury Prevention and Research Center, as bona fide agent for the Kentucky Department for Public Health. Data source: Kentucky Death Certificate Database, Kentucky Office of Vital Statistics, Cabinet for Health and Family Services. Data extracted May 2024. Data are provisional and subject to change.

Figure 6.4.4: Number of drug overdose deaths involving cocaine and at least one other drug type among Kentucky residents, 2019–2023

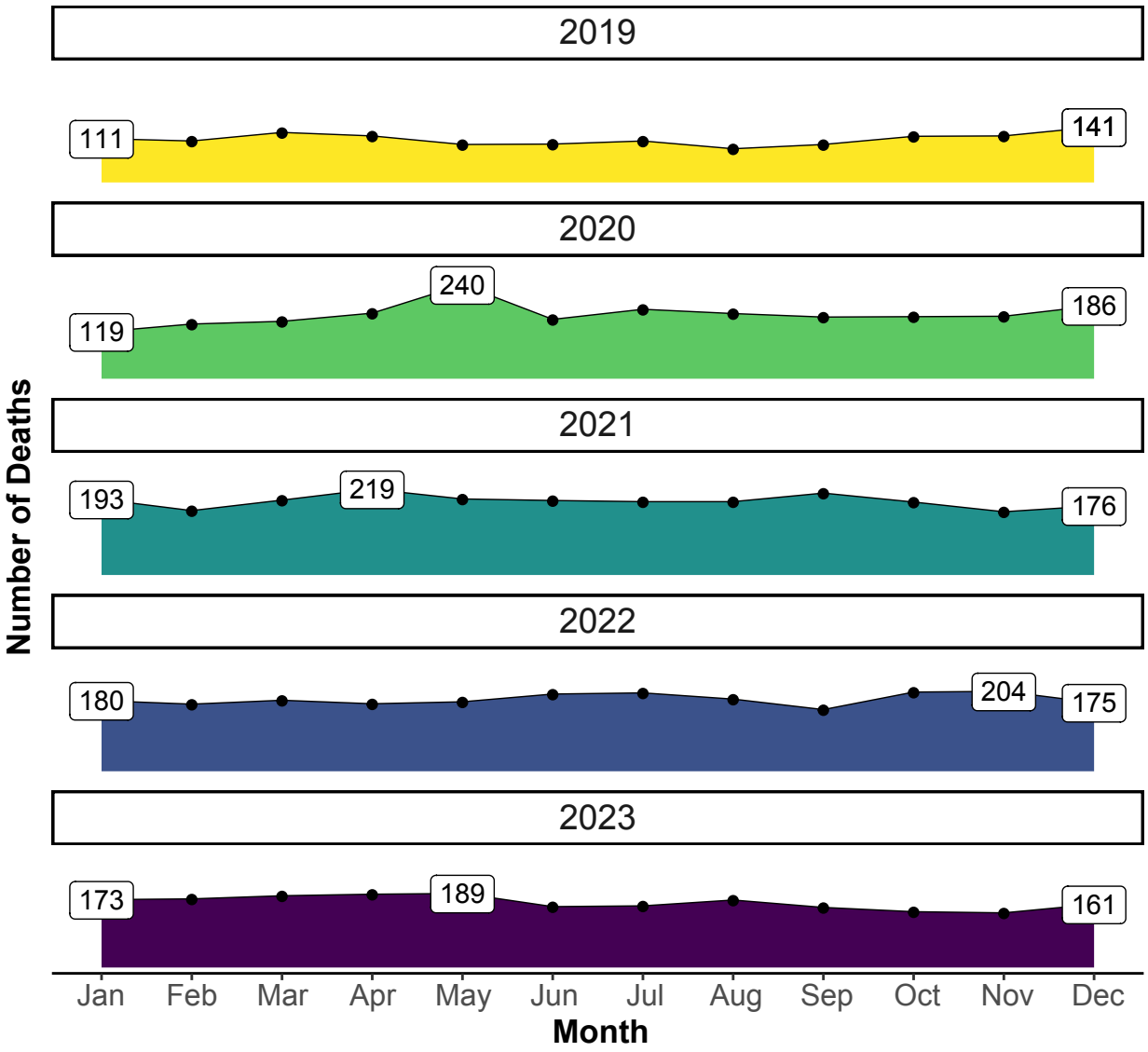


Columns display the total number of deaths involving cocaine. Additional drug types are not mutually exclusive. An overdose that involves multiple additional drugs will be counted in each relevant category. Produced by the Kentucky Injury Prevention and Research Center, as bona fide agent for the Kentucky Department for Public Health. Data source: Kentucky Death Certificate Database, Kentucky Office of Vital Statistics, Cabinet for Health and Family Services. Data extracted May 2024. Data are provisional and subject to change.

7 Numbers of Drug Overdose Deaths by Month

In 2023, May saw the highest number of drug overdose deaths, with 189 deaths. This was a decrease of 7.4% from the highest monthly number of drug overdose deaths in 2022, which occurred in November with 204 deaths.

Figure 7.1: Number of drug overdose deaths among Kentucky residents by month, 2019–2023



Labeled values display the numbers for the first and last months and the maximum monthly number for each year. Produced by the Kentucky Injury Prevention and Research Center, as bona fide agent for the Kentucky Department for Public Health. Data source: Kentucky Death Certificate Database, Kentucky Office of Vital Statistics, Cabinet for Health and Family Services. Data are provisional and subject to change. Data extracted May 2024.

8 Numbers of Drug Overdose Deaths by Intent

Consistent with previous years, the majority of drug overdose deaths in 2023 were unintentional, with 1,893 deaths or 95.3% of all drug overdose deaths that year. Suicide was the documented intent for 54 (2.7%) of the drug overdose deaths in 2023, a 10% decrease from the 60 deaths in 2022.

Table 8.1: Numbers of drug overdose deaths among Kentucky residents, by intent, 2019–2023

Intent	2019	2020	2021	2022	2023
Unintentional	1,228	1,900	2,175	2,114	1,893
Suicide	65	39	47	60	54
Homicide	0	0	0	<5	0
Undetermined Intent	23	26	35	*	39

Numbers greater than zero but less than five have been suppressed in accordance with state data management policy. For some years, the second lowest number has been censored to protect a suppressed value and is indicated with ab asterisk (*). Produced by the Kentucky Injury Prevention and Research Center, as bona fide agent for the Kentucky Department for Public Health. Data source: Kentucky Death Certificate Database, Kentucky Office of Vital Statistics, Cabinet for Health and Family Services. Data extracted May 2024. Data are provisional and subject to change.

9 Numbers of Drug Overdose Deaths by Pregnancy Status

Kentucky death certificates use a check box system for reporting pregnancy status among female decedents. While this system is effective at identifying pregnancy-related and maternal deaths, it is significantly less complete when the cause of death is accidental, including deaths involving a drug overdose.[1] For this reason, the numbers presented in the table below are likely an undercount of the total number of drug overdose deaths that occurred during a pregnancy or within one year from a pregnancy.

Table 9.1: Numbers of drug overdose deaths among Kentucky residents by pregnancy status, 2019–2023

Pregnancy Status	2019	2020	2021	2022	2023
Pregnant at Time of Death	<5	6	10	6	<5
Pregnant within One Year of Death	<5	6	<5	11	<5
Unknown Pregnancy Status	132	164	224	234	212

Numbers greater than zero but less than five have been suppressed in accordance with state data management policy. Produced by the Kentucky Injury Prevention and Research Center, as bona fide agent for the Kentucky Department for Public Health. Data source: Kentucky Death Certificate Database, Kentucky Office of Vital Statistics, Cabinet for Health and Family Services. Data extracted May 2024. Data are provisional and subject to change.

[1]Horon IL, Cheng D. Effectiveness of pregnancy check boxes on death certificates in identifying pregnancy-associated mortality. *Public Health Reports.* 2011;126(20):195-200. https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3056032/

10 Numbers of Drug Overdose Deaths by Armed Forces Status

In 2023, a total of 120 active duty military and veteran Kentucky residents died from a drug overdose. This was an increase of 1.7% from the 118 drug overdose deaths among active duty military and veteran Kentucky residents in 2022. Of those drug overdose deaths among active duty military and veteran Kentucky residents in 2023, at least one type of opioid was involved in 70.8% of those deaths while 54.2% involved at least one type of stimulant.

Table 10.1: Numbers of drug overdose deaths among Kentucky residents by armed forces status, 2019–2023

Armed Forces Status	Drug Type	2019	2020	2021	2022	2023
Civilian	All Drugs	1,232	1,845	2,118	2,082	1,866
	Any Opioid	926	1,503	1,692	1,615	1,470
	Any Stimulant	505	774	1,080	1,092	1,021
Veteran or Active Duty	All Drugs	84	120	139	118	120
	Any Opioid	62	91	107	91	85
	Any Stimulant	33	53	71	59	65

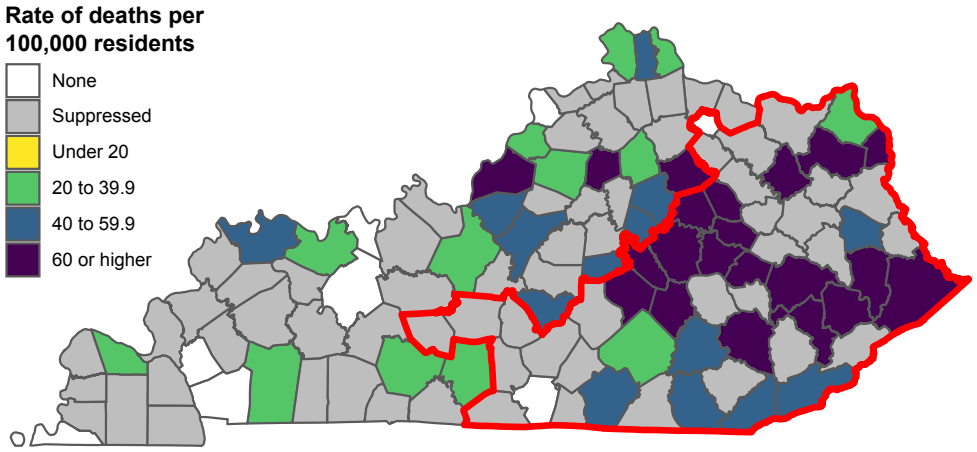
Produced by the Kentucky Injury Prevention and Research Center, as bona fide agent for the Kentucky Department for Public Health. Data source: Kentucky Death Certificate Database, Kentucky Office of Vital Statistics, Cabinet for Health and Family Services. Data extracted May 2024. Data are provisional and subject to change.

11 Numbers and Rates of Drug Overdose Deaths by County

11.1 County Maps

Figure 11.1.1: Age−adjusted rates of drug overdose deaths by Kentucky county of residence, 2023

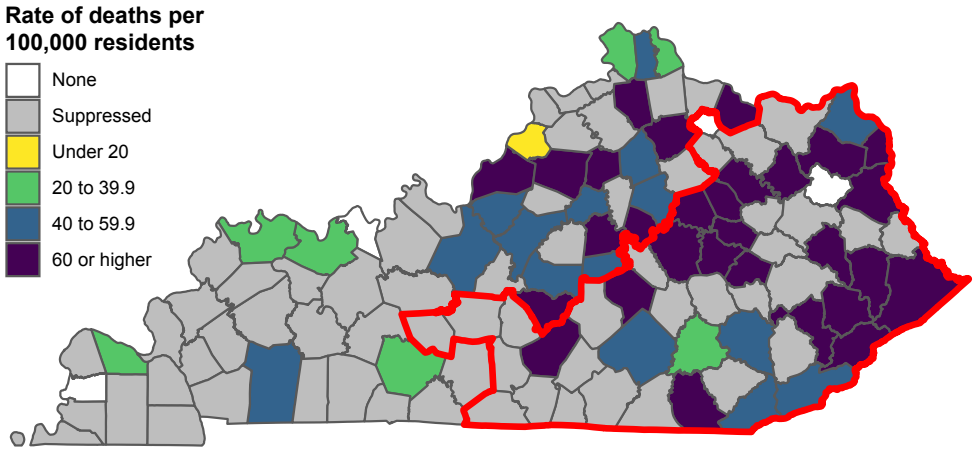
Red line denotes Appalachian counties



Produced by the Kentucky Injury Prevention and Research Center, as bona fide agent for the Kentucky Department for Public Health. Data source: Kentucky Death Certificate Database, Kentucky Office of Vital Statistics, Cabinet for Health and Family Services. Data extracted May 2024. Data are provisional and subject to change.

Figure 11.1.2: Age−adjusted rates of drug overdose deaths by Kentucky county of residence, 2022

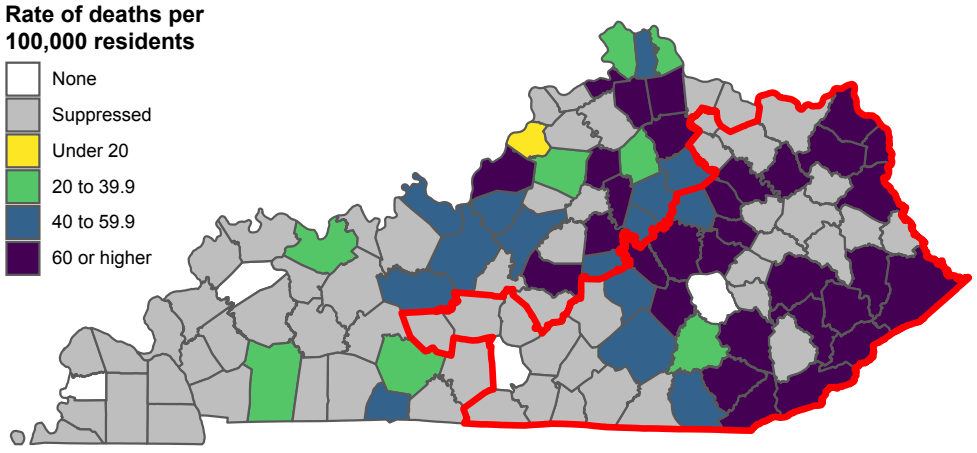
Red line denotes Appalachian counties



Produced by the Kentucky Injury Prevention and Research Center, as bona fide agent for the Kentucky Department for Public Health. Data source: Kentucky Death Certificate Database, Kentucky Office of Vital Statistics, Cabinet for Health and Family Services. Data extracted May 2024. Data are provisional and subject to change.

Figure 11.1.3: Age−adjusted rates of drug overdose deaths by Kentucky county of residence, 2021

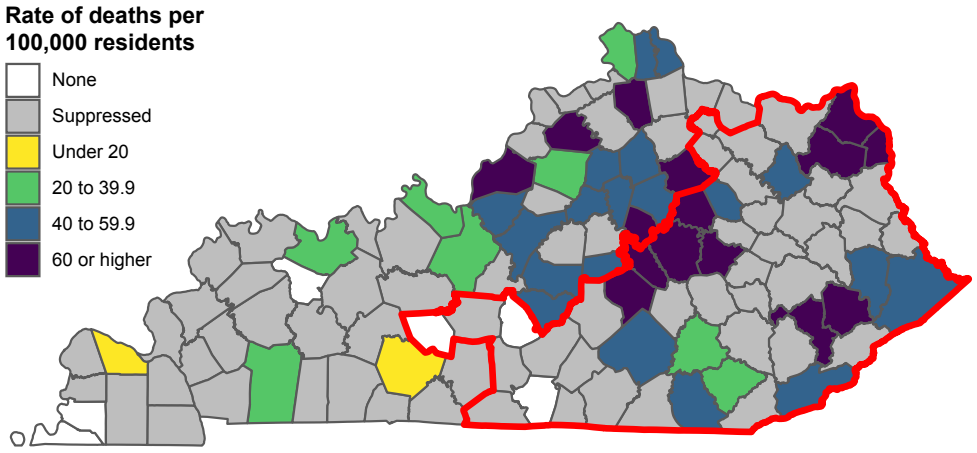
Red line denotes Appalachian counties



Produced by the Kentucky Injury Prevention and Research Center, as bona fide agent for the Kentucky Department for Public Health. Data source: Kentucky Death Certificate Database, Kentucky Office of Vital Statistics, Cabinet for Health and Family Services. Data extracted May 2024. Data are provisional and subject to change.

Figure 11.1.4: Age−adjusted rates of drug overdose deaths by Kentucky county of residence, 2020

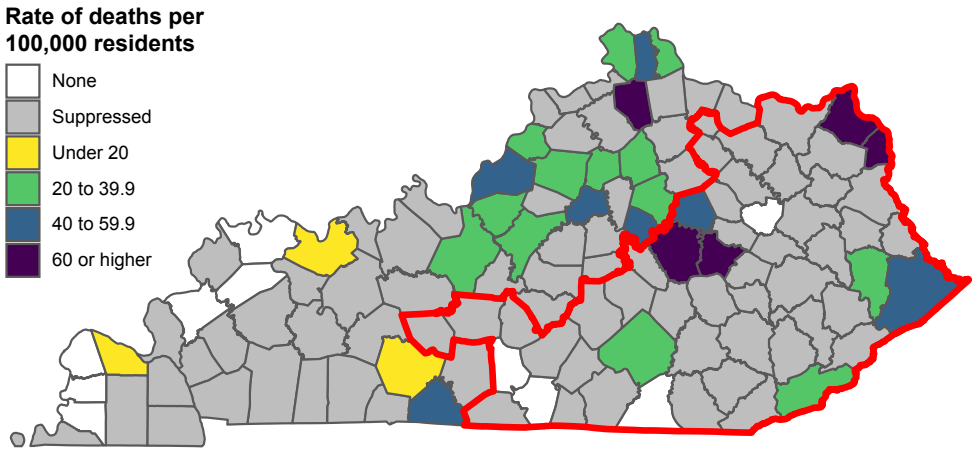
Red line denotes Appalachian counties



Produced by the Kentucky Injury Prevention and Research Center, as bona fide agent for the Kentucky Department for Public Health. Data source: Kentucky Death Certificate Database, Kentucky Office of Vital Statistics, Cabinet for Health and Family Services. Data extracted May 2024. Data are provisional and subject to change.

Figure 11.1.5: Age−adjusted rates of drug overdose deaths by Kentucky county of residence, 2019

Red line denotes Appalachian counties



Produced by the Kentucky Injury Prevention and Research Center, as bona fide agent for the Kentucky Department for Public Health. Data source: Kentucky Death Certificate Database, Kentucky Office of Vital Statistics, Cabinet for Health and Family Services. Data extracted May 2024. Data are provisional and subject to change.

11.2 Appalachian Counties

In 2023, counties in the Appalachian region of Kentucky experienced a drug overdose mortality rate of 62.5 deaths per 100,000 residents. This was a decrease from the 65.9 deaths per 100,000 residents in 2022 and higher than the rate for non-Appalachian counties in 2023 of 40.2 deaths per 100,000 residents. Of the drug overdose deaths that occurred among residents of Appalachian counties in 2023, 516 (74.5%) involved at least one type of opioid and 388 (56%) involved at least one type of stimulant. Of the drug overdose deaths that occurred among residents of non-Appalachian counties in 2023, 1,039 (80.4%) involved at least one type of opioid and 698 (54%) involved at least one type of stimulant.

Note: The Appalachian region in Kentucky includes the counties of Adair, Bath, Bell, Boyd, Breathitt, Carter, Casey, Clark, Clay, Clinton, Cumberland, Edmonson, Elliott, Estill, Fleming, Floyd, Garrard, Green, Greenup, Harlan, Hart, Jackson, Johnson, Knott, Knox, Laurel, Lawrence, Lee, Leslie, Letcher, Lewis, Lincoln, McCreary, Madison, Magoffin, Martin, Menifee, Metcalfe, Mon-roe, Montgomery, Morgan, Nicholas, Owsley, Perry, Pike, Powell, Pulaski, Robertson, Rockcastle, Rowan, Russell, Wayne, Whitley, and Wolfe.

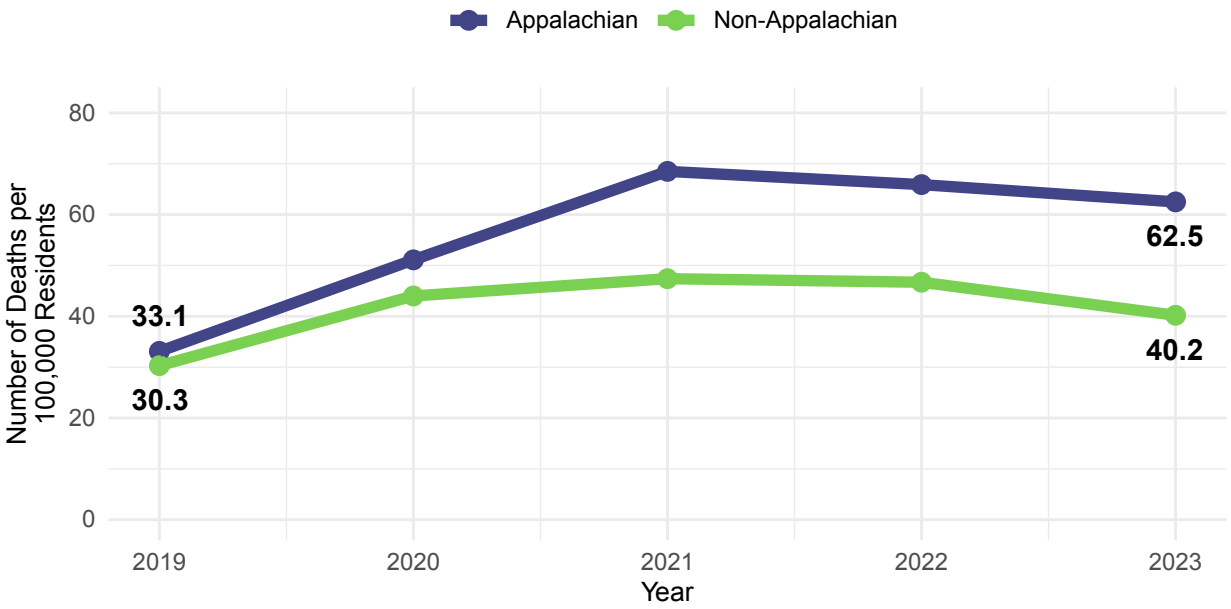
Table 11.2.1: Numbers and rates of drug overdose deaths among Kentucky residents by Appalachian region, 2019–2023

		All Drugs		All Opioids		All Stimulants	
Region	**Year**	**Number**	**Rate**	**Number**	**Rate**	**Number**	**Rate**
Appalachian[1]	2019	366	33.1	242	21.7	164	15.4
	2020	564	51.1	425	39.4	257	24.1
	2021	748	68.5	555	51.6	418	39.6
	2022	718	65.9	506	47.2	386	36.5
	2023	693	62.5	516	47.4	388	35.7
Non-Appalachian	2019	950	30.3	746	24.1	374	12.0
	2020	1,401	44.0	1,169	36.9	570	18.3
	2021	1,509	47.4	1,244	39.3	733	23.2
	2022	1,482	46.7	1,200	38.1	765	24.3
	2023	1,293	40.2	1,039	32.8	698	21.9

[1] The Appalachian region includes the Kentucky counties of Adair, Bath, Bell, Boyd, Breathitt, Carter, Casey, Clark, Clay, Clinton, Cumberland, Edmonson, Elliott, Estill, Fleming, Floyd, Garrard, Green, Greenup, Harlan, Hart, Jackson, Johnson, Knott, Knox, Laurel, Lawrence, Lee, Leslie, Letcher, Lewis, Lincoln, McCreary, Madison, Magoffin, Martin, Menifee, Metcalfe, Monroe, Montgomery, Morgan, Nicholas, Owsley, Perry, Pike, Powell, Pulaski, Robertson, Rockcastle, Rowan, Russell, Wayne, Whitley, or Wolfe.

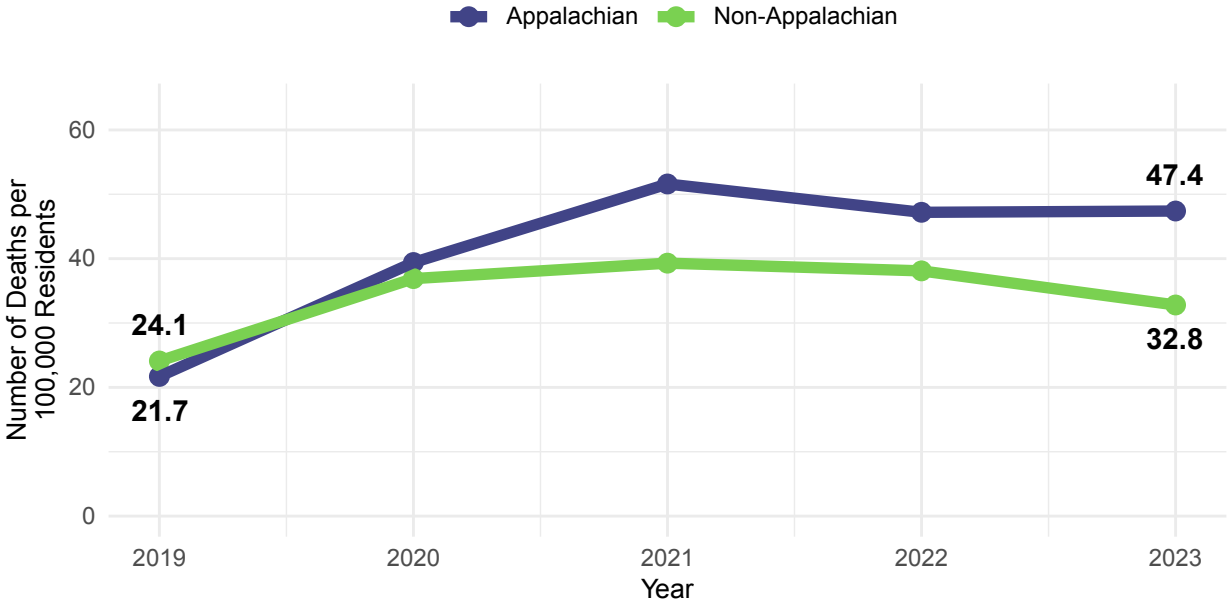
Rates are presented as the number of deaths per 100,000 population. Produced by the Kentucky Injury Prevention and Research Center, as bona fide agent for the Kentucky Department for Public Health. Data source: Kentucky Death Certificate Database, Kentucky Office of Vital Statistics, Cabinet for Health and Family Services. Data extracted May 2024. Data are provisional and subject to change.

Figure 11.2.1: Rates of drug overdose deaths among Kentucky residents by Appalachian region, 2019–2023



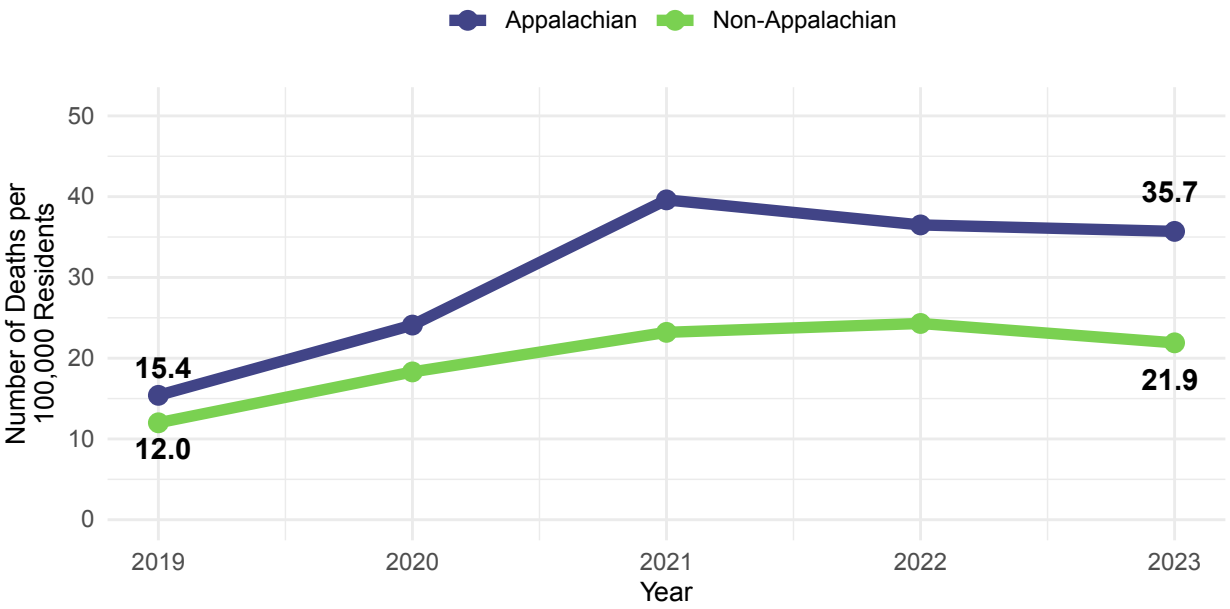
Produced by the Kentucky Injury Prevention and Research Center, as bona fide agent for the Kentucky Department for Public Health. Data source: Kentucky Death Certificate Database, Kentucky Office of Vital Statistics, Cabinet for Health and Family Services. Data extracted May 2024. Data are provisional and subject to change.

Figure 11.2.2: Rates of opioid overdose deaths among Kentucky residents by Appalachian region, 2019–2023



Produced by the Kentucky Injury Prevention and Research Center, as bona fide agent for the Kentucky Department for Public Health. Data source: Kentucky Death Certificate Database, Kentucky Office of Vital Statistics, Cabinet for Health and Family Services. Data extracted May 2024. Data are provisional and subject to change.

Figure 11.2.3: Rates of stimulant overdose deaths among Kentucky residents by Appalachian region, 2019–2023



Produced by the Kentucky Injury Prevention and Research Center, as bona fide agent for the Kentucky Department for Public Health. Data source: Kentucky Death Certificate Database, Kentucky Office of Vital Statistics, Cabinet for Health and Family Services. Data extracted May 2024. Data are provisional and subject to change.

Table 11.2.2: Number of drug overdose deaths among Kentucky residents by Appalachian region and drug type, 2019–2023

Region	Drug Type	2019	2020	2021	2022	2023
Appalachian[1]	Heroin	21	22	10	10	8
	Prescription Opioids	115	163	165	119	119
	Synthetic Opioids	170	357	487	450	457
	Unspecified Opioids	13	13	6	9	10
	Cocaine	17	21	27	23	34
	Other Psychostimulant	150	242	401	372	366
	Benzodiazepines	87	86	119	101	85
	Cannabis	15	16	38	43	25
Non-Appalachian	Heroin	122	89	42	21	15
	Prescription Opioids	219	285	258	226	189
	Synthetic Opioids	615	1,055	1,137	1,106	952
	Unspecified Opioids	41	38	44	28	38
	Cocaine	95	145	193	204	245
	Other Psychostimulant	294	460	590	614	502
	Benzodiazepines	140	222	188	151	143
	Cannabis	62	64	67	71	58

[1] The Appalachian region includes the Kentucky counties of Adair, Bath, Bell, Boyd, Breathitt, Carter, Casey, Clark, Clay, Clinton, Cumberland, Edmonson, Elliott, Estill, Fleming, Floyd, Garrard, Green, Greenup, Harlan, Hart, Jackson, Johnson, Knott, Knox, Laurel, Lawrence, Lee, Leslie, Letcher, Lewis, Lincoln, McCreary, Madison, Magoffin, Martin, Menifee, Metcalfe, Monroe, Montgomery, Morgan, Nicholas, Owsley, Perry, Pike, Powell, Pulaski, Robertson, Rockcastle, Rowan, Russell, Wayne, Whitley, and Wolfe.

Produced by the Kentucky Injury Prevention and Research Center, as bona fide agent for the Kentucky Department for Public Health. Data source: Kentucky Death Certificate Database, Kentucky Office of Vital Statistics, Cabinet for Health and Family Services. Data extracted May 2024. Data are provisional and subject to change.

11.3 County Tables

Table 11.3.1: Numbers and rates of drug overdose deaths among Kentucky residents by county[1], 2019–2023

		All Drugs		All Opioids		All Stimulants	
County	**Year**	**Number**	**Rate**	**Number**	**Rate**	**Number**	**Rate**
Adair	2019	<5	*	<5	*	<5	*
	2020	<5	*	<5	*	<5	*
	2021	9	*	8	*	5	*
	2022	10	65.0*	8	*	6	*
	2023	<5	*	<5	*	<5	*
Allen	2019	11	49.7*	8	*	5	*
	2020	6	*	5	*	<5	*
	2021	7	*	<5	*	5	*
	2022	7	*	<5	*	5	*
	2023	<5	*	<5	*	0	0.0
Anderson	2019	11	52.0*	6	*	5	*
	2020	14	58.1*	14	58.1*	6	*
	2021	5	*	<5	*	<5	*
	2022	13	51.5*	7	*	7	*
	2023	8	*	7	*	<5	*
Ballard	2019	0	0.0	0	0.0	0	0.0
	2020	<5	*	<5	*	<5	*
	2021	<5	*	0	0.0	<5	*
	2022	<5	*	<5	*	0	0.0
	2023	<5	*	<5	*	0	0.0

[1] Data are based on the decedent's county of residence.

* Numbers greater than zero but less than five and rates based on numbers greater than zero but less than 10 are suppressed in accordance with state data management policy. Rates based on counts less than 20 are unstable and should be interpreted with caution.

Rates are presented as the number of deaths per 100,000 population. Produced by the Kentucky Injury Prevention and Research Center, as bona fide agent for the Kentucky Department for Public Health. Data extracted May 2024. Data are provisional and subject to change.

Table 11.3.1, cont.: Numbers and rates of drug overdose deaths among Kentucky residents by county[1], 2019–2023

		All Drugs		All Opioids		All Stimulants	
County	**Year**	**Number**	**Rate**	**Number**	**Rate**	**Number**	**Rate**
Barren	2019	5	*	<5	*	<5	*
	2020	9	*	<5	*	5	*
	2021	7	*	6	*	<5	*
	2022	9	*	<5	*	7	*
	2023	10	23.8*	<5	*	5	*
Bath	2019	<5	*	<5	*	<5	*
	2020	8	*	6	*	<5	*
	2021	11	84.8*	10	77.7*	5	*
	2022	20	181.7	16	150.8*	9	*
	2023	9	*	9	*	<5	*
Bell	2019	9	*	5	*	5	*
	2020	9	*	8	*	<5	*
	2021	15	70.8*	11	48.5*	7	*
	2022	11	49.6*	8	*	7	*
	2023	12	50.7*	9	*	10	40.3*
Boone	2019	34	26.8	24	19.1	17	13.0*
	2020	50	38.1	48	36.5	15	12.0*
	2021	44	32.1	39	28.5	16	11.6*
	2022	42	30.0	40	28.7	16	11.6*
	2023	35	26.1	28	21.1	12	8.9*

[1] Data are based on the decedent's county of residence.

* Numbers greater than zero but less than five and rates based on numbers greater than zero but less than 10 are suppressed in accordance with state data management policy. Rates based on counts less than 20 are unstable and should be interpreted with caution.

Rates are presented as the number of deaths per 100,000 population. Produced by the Kentucky Injury Prevention and Research Center, as bona fide agent for the Kentucky Department for Public Health. Data extracted May 2024. Data are provisional and subject to change.

Table 11.3.1, cont.: Numbers and rates of drug overdose deaths among Kentucky residents by county[1], 2019–2023

		All Drugs		All Opioids		All Stimulants	
County	**Year**	**Number**	**Rate**	**Number**	**Rate**	**Number**	**Rate**
Bourbon	2019	9	*	9	*	<5	*
	2020	18	98.6*	17	91.7*	6	*
	2021	10	53.5*	7	*	6	*
	2022	8	*	7	*	6	*
	2023	15	85.9*	14	80.3*	5	*
Boyd	2019	30	64.8	27	59.3	13	28.6*
	2020	35	64.4	32	60.2	13	25.3*
	2021	47	102.0	39	86.2	30	65.8
	2022	45	95.9	41	88.3	26	56.4
	2023	42	94.2	31	73.6	18	40.3*
Boyle	2019	8	*	5	*	<5	*
	2020	12	42.7*	11	38.9*	<5	*
	2021	16	52.2*	10	32.4*	8	*
	2022	15	51.3*	13	44.0*	7	*
	2023	17	56.8*	12	38.2*	10	35.1*
Bracken	2019	<5	*	<5	*	<5	*
	2020	<5	*	<5	*	<5	*
	2021	7	*	<5	*	5	*
	2022	<5	*	<5	*	<5	*
	2023	<5	*	<5	*	<5	*

[1] Data are based on the decedent's county of residence.

* Numbers greater than zero but less than five and rates based on numbers greater than zero but less than 10 are suppressed in accordance with state data management policy. Rates based on counts less than 20 are unstable and should be interpreted with caution.

Rates are presented as the number of deaths per 100,000 population. Produced by the Kentucky Injury Prevention and Research Center, as bona fide agent for the Kentucky Department for Public Health. Data extracted May 2024. Data are provisional and subject to change.

Table 11.3.1, cont.: Numbers and rates of drug overdose deaths among Kentucky residents by county[1], 2019–2023

		All Drugs		All Opioids		All Stimulants	
County	**Year**	**Number**	**Rate**	**Number**	**Rate**	**Number**	**Rate**
Breathitt	2019	6	*	<5	*	<5	*
	2020	6	*	5	*	<5	*
	2021	10	91.4*	6	*	6	*
	2022	8	*	7	*	<5	*
	2023	18	150.6*	17	139.7*	12	103.4*
Breckinridge	2019	<5	*	<5	*	<5	*
	2020	7	*	5	*	5	*
	2021	7	*	5	*	5	*
	2022	<5	*	<5	*	<5	*
	2023	6	*	<5	*	<5	*
Bullitt	2019	29	36.6	27	33.8	8	*
	2020	42	53.8	37	47.3	18	24.4*
	2021	40	53.2	36	47.8	24	32.5
	2022	43	54.2	36	46.2	16	19.2*
	2023	40	51.6	34	45.3	18	22.8*
Butler	2019	<5	*	0	0.0	0	0.0
	2020	<5	*	<5	*	0	0.0
	2021	<5	*	<5	*	<5	*
	2022	5	*	<5	*	<5	*
	2023	<5	*	0	0.0	<5	*

[1] Data are based on the decedent's county of residence.

* Numbers greater than zero but less than five and rates based on numbers greater than zero but less than 10 are suppressed in accordance with state data management policy. Rates based on counts less than 20 are unstable and should be interpreted with caution.

Rates are presented as the number of deaths per 100,000 population. Produced by the Kentucky Injury Prevention and Research Center, as bona fide agent for the Kentucky Department for Public Health. Data extracted May 2024. Data are provisional and subject to change.

Table 11.3.1, cont.: Numbers and rates of drug overdose deaths among Kentucky residents by county[1], 2019–2023

		All Drugs		All Opioids		All Stimulants	
County	**Year**	**Number**	**Rate**	**Number**	**Rate**	**Number**	**Rate**
Caldwell	2019	<5	*	0	0.0	0	0.0
	2020	<5	*	<5	*	0	0.0
	2021	<5	*	0	0.0	0	0.0
	2022	<5	*	<5	*	0	0.0
	2023	<5	*	<5	*	0	0.0
Calloway	2019	7	*	5	*	0	0.0
	2020	9	*	5	*	<5	*
	2021	9	*	6	*	<5	*
	2022	5	*	<5	*	<5	*
	2023	<5	*	<5	*	0	0.0
Campbell	2019	36	39.1	35	38.5	10	11.3*
	2020	54	55.0	47	48.3	18	18.8*
	2021	31	32.1	30	31.5	13	15.4*
	2022	36	38.8	28	29.9	13	15.3*
	2023	26	28.7	23	26.1	15	17.5*
Carlisle	2019	0	0.0	0	0.0	0	0.0
	2020	<5	*	0	0.0	0	0.0
	2021	0	0.0	0	0.0	0	0.0
	2022	0	0.0	0	0.0	0	0.0
	2023	<5	*	0	0.0	<5	*

[1] Data are based on the decedent's county of residence.

* Numbers greater than zero but less than five and rates based on numbers greater than zero but less than 10 are suppressed in accordance with state data management policy. Rates based on counts less than 20 are unstable and should be interpreted with caution.

Rates are presented as the number of deaths per 100,000 population. Produced by the Kentucky Injury Prevention and Research Center, as bona fide agent for the Kentucky Department for Public Health. Data extracted May 2024. Data are provisional and subject to change.

Table 11.3.1, cont.: Numbers and rates of drug overdose deaths among Kentucky residents by county[1], 2019–2023

		All Drugs		All Opioids		All Stimulants	
County	**Year**	**Number**	**Rate**	**Number**	**Rate**	**Number**	**Rate**
Carroll	2019	5	*	<5	*	<5	*
	2020	6	*	<5	*	<5	*
	2021	9	*	8	*	5	*
	2022	8	*	6	*	5	*
	2023	<5	*	<5	*	<5	*
Carter	2019	7	*	<5	*	<5	*
	2020	21	83.5	15	62.2*	9	*
	2021	24	99.1	22	91.8	11	44.1*
	2022	20	77.4	17	67.2*	11	47.0*
	2023	21	90.4	18	76.0*	12	51.1*
Casey	2019	6	*	<5	*	<5	*
	2020	<5	*	<5	*	<5	*
	2021	<5	*	<5	*	<5	*
	2022	<5	*	<5	*	<5	*
	2023	<5	*	<5	*	<5	*
Christian	2019	7	*	6	*	<5	*
	2020	18	33.1*	7	*	8	*
	2021	18	31.4*	14	24.9*	7	*
	2022	32	48.7	22	32.3	18	30.5*
	2023	14	23.5*	11	20.0*	7	*

[1] Data are based on the decedent's county of residence.

* Numbers greater than zero but less than five and rates based on numbers greater than zero but less than 10 are suppressed in accordance with state data management policy. Rates based on counts less than 20 are unstable and should be interpreted with caution.

Rates are presented as the number of deaths per 100,000 population. Produced by the Kentucky Injury Prevention and Research Center, as bona fide agent for the Kentucky Department for Public Health. Data extracted May 2024. Data are provisional and subject to change.

Table 11.3.1, cont.: Numbers and rates of drug overdose deaths among Kentucky residents by county[1], 2019–2023

		All Drugs		All Opioids		All Stimulants	
County	**Year**	**Number**	**Rate**	**Number**	**Rate**	**Number**	**Rate**
Clark	2019	15	44.7*	10	28.7*	7	*
	2020	35	104.5	24	73.8	10	31.4
	2021	20	56.8	13	38.8*	8	*
	2022	24	75.6	10	32.7*	9	*
	2023	26	72.9	23	66.2	12	33.3
Clay	2019	8	*	<5	*	<5	*
	2020	<5	*	<5	*	<5	*
	2021	16	71.2*	5	*	10	45.9
	2022	12	59.8*	<5	*	9	*
	2023	16	68.9*	8	*	9	*
Clinton	2019	<5	*	<5	*	0	0.0
	2020	7	*	5	*	<5	*
	2021	<5	*	<5	*	<5	*
	2022	<5	*	<5	*	<5	*
	2023	<5	*	<5	*	<5	*
Crittenden	2019	0	0.0	0	0.0	0	0.0
	2020	<5	*	<5	*	<5	*
	2021	<5	*	0	0.0	<5	*
	2022	<5	*	0	0.0	<5	*
	2023	<5	*	<5	*	<5	*

[1] Data are based on the decedent's county of residence.

* Numbers greater than zero but less than five and rates based on numbers greater than zero but less than 10 are suppressed in accordance with state data management policy. Rates based on counts less than 20 are unstable and should be interpreted with caution.

Rates are presented as the number of deaths per 100,000 population. Produced by the Kentucky Injury Prevention and Research Center, as bona fide agent for the Kentucky Department for Public Health. Data extracted May 2024. Data are provisional and subject to change.

Table 11.3.1, cont.: Numbers and rates of drug overdose deaths among Kentucky residents by county[1], 2019–2023

		All Drugs		All Opioids		All Stimulants	
County	**Year**	**Number**	**Rate**	**Number**	**Rate**	**Number**	**Rate**
Cumberland	2019	0	0.0	0	0.0	0	0.0
	2020	0	0.0	0	0.0	0	0.0
	2021	<5	*	<5	*	0	0.0
	2022	<5	*	0	0.0	<5	*
	2023	0	0.0	0	0.0	0	0.0
Daviess	2019	10	11.0*	<5	*	5	*
	2020	21	22.8	13	13.2*	12	12.7*
	2021	20	21.8	8	*	9	*
	2022	30	30.5	15	15.6*	16	16.1*
	2023	23	23.5	10	10.6*	8	*
Edmonson	2019	<5	*	0	0.0	<5	*
	2020	0	0.0	0	0.0	0	0.0
	2021	<5	*	<5	*	<5	*
	2022	<5	*	<5	*	0	0.0
	2023	<5	*	<5	*	<5	*
Elliott	2019	<5	*	<5	*	<5	*
	2020	<5	*	<5	*	<5	*
	2021	<5	*	<5	*	<5	*
	2022	0	0.0	0	0.0	0	0.0
	2023	<5	*	<5	*	<5	*

[1] Data are based on the decedent's county of residence.

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Rates are presented as the number of deaths per 100,000 population. Produced by the Kentucky Injury Prevention and Research Center, as bona fide agent for the Kentucky Department for Public Health. Data extracted May 2024. Data are provisional and subject to change.

Table 11.3.1, cont.: Numbers and rates of drug overdose deaths among Kentucky residents by county[1], 2019–2023

		All Drugs		All Opioids		All Stimulants	
County	**Year**	**Number**	**Rate**	**Number**	**Rate**	**Number**	**Rate**
Estill	2019	11	80.6*	5	*	<5	*
	2020	11	79.6*	8	*	<5	*
	2021	22	143.0	5	*	<5	*
	2022	17	131.1*	5	*	<5	*
	2023	27	187.3	7	*	<5	*
Fayette	2019	99	31.2	86	27.4	38	12.4
	2020	150	47.1	138	43.3	58	18.8
	2021	160	51.1	143	45.6	78	24.0
	2022	159	52.5	145	47.8	80	27.6
	2023	136	43.8	119	38.2	74	24.4
Fleming	2019	<5	*	<5	*	<5	*
	2020	<5	*	<5	*	<5	*
	2021	<5	*	<5	*	<5	*
	2022	7	*	5	*	<5	*
	2023	<5	*	<5	*	<5	*
Floyd	2019	13	38.0*	9	*	<5	*
	2020	16	50.9*	13	41.3*	5	*
	2021	33	98.3	16	45.5*	13	41.2*
	2022	44	134.1	23	73.2	15	45.6*
	2023	35	109.9	20	69.8	20	65.2

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Rates are presented as the number of deaths per 100,000 population. Produced by the Kentucky Injury Prevention and Research Center, as bona fide agent for the Kentucky Department for Public Health. Data extracted May 2024. Data are provisional and subject to change.

Table 11.3.1, cont.: Numbers and rates of drug overdose deaths among Kentucky residents by county[1], 2019–2023

		All Drugs		All Opioids		All Stimulants	
County	**Year**	**Number**	**Rate**	**Number**	**Rate**	**Number**	**Rate**
Franklin	2019	18	35.3*	14	27.7*	7	*
	2020	20	43.4	18	40.1*	11	24.3*
	2021	34	70.4	28	58.7	19	40.5*
	2022	32	64.2	26	53.9	16	31.6*
	2023	34	61.9	27	50.7	16	32.4*
Fulton	2019	<5	*	0	0.0	<5	*
	2020	0	0.0	0	0.0	0	0.0
	2021	<5	*	0	0.0	<5	*
	2022	<5	*	<5	*	<5	*
	2023	0	0.0	0	0.0	0	0.0
Gallatin	2019	<5	*	<5	*	<5	*
	2020	<5	*	<5	*	0	0.0
	2021	12	147.0*	10	129.3*	<5	*
	2022	8	*	5	*	<5	*
	2023	7	*	7	*	<5	*
Garrard	2019	<5	*	<5	*	<5	*
	2020	15	91.6*	10	67.4*	7	*
	2021	13	86.0*	11	77.5*	7	*
	2022	8	*	6	*	<5	*
	2023	11	61.9*	11	61.9*	7	*

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Rates are presented as the number of deaths per 100,000 population. Produced by the Kentucky Injury Prevention and Research Center, as bona fide agent for the Kentucky Department for Public Health. Data extracted May 2024. Data are provisional and subject to change.

Table 11.3.1, cont.: Numbers and rates of drug overdose deaths among Kentucky residents by county[1], 2019–2023

		All Drugs		All Opioids		All Stimulants	
County	**Year**	**Number**	**Rate**	**Number**	**Rate**	**Number**	**Rate**
Grant	2019	17	79.4*	15	69.3*	11	52.3*
	2020	17	79.6*	12	55.8*	8	*
	2021	16	70.5*	15	64.9*	6	*
	2022	18	80.2*	15	67.0*	12	54.9*
	2023	8	*	6	*	<5	*
Graves	2019	<5	*	<5	*	<5	*
	2020	5	*	<5	*	0	0.0
	2021	<5	*	0	0.0	<5	*
	2022	6	*	<5	*	<5	*
	2023	<5	*	<5	*	0	0.0
Grayson	2019	<5	*	<5	*	0	0.0
	2020	8	*	<5	*	<5	*
	2021	10	43.5*	6	*	6	*
	2022	5	*	<5	*	<5	*
	2023	<5	*	<5	*	<5	*
Green	2019	<5	*	<5	*	<5	*
	2020	0	0.0	0	0.0	0	0.0
	2021	<5	*	<5	*	<5	*
	2022	<5	*	<5	*	<5	*
	2023	<5	*	<5	*	<5	*

[1] Data are based on the decedent's county of residence.

* Numbers greater than zero but less than five and rates based on numbers greater than zero but less than 10 are suppressed in accordance with state data management policy. Rates based on counts less than 20 are unstable and should be interpreted with caution.

Rates are presented as the number of deaths per 100,000 population. Produced by the Kentucky Injury Prevention and Research Center, as bona fide agent for the Kentucky Department for Public Health. Data extracted May 2024. Data are provisional and subject to change.

Table 11.3.1, cont.: Numbers and rates of drug overdose deaths among Kentucky residents by county[1], 2019–2023

		All Drugs		All Opioids		All Stimulants	
County	**Year**	**Number**	**Rate**	**Number**	**Rate**	**Number**	**Rate**
Greenup	2019	21	63.9	18	54.0*	8	*
	2020	22	64.5	20	59.9	8	*
	2021	23	71.1	19	59.2*	10	35.8*
	2022	15	42.2*	13	36.1*	7	*
	2023	14	39.3*	13	37.7*	6	*
Hancock	2019	<5	*	0	0.0	<5	*
	2020	<5	*	<5	*	<5	*
	2021	<5	*	0	0.0	<5	*
	2022	0	0.0	0	0.0	0	0.0
	2023	0	0.0	0	0.0	0	0.0
Hardin	2019	22	20.8	16	15.6*	12	11.3*
	2020	31	30.1	23	22.0	11	10.9*
	2021	46	41.8	33	30.5	25	22.8
	2022	50	47.1	38	36.2	26	24.5
	2023	38	35.7	27	25.7	24	22.8
Harlan	2019	10	37.8*	6	*	6	*
	2020	14	59.6*	10	44.3*	9	*
	2021	17	66.1*	14	52.1*	10	40.8*
	2022	13	57.6*	9	*	8	*
	2023	13	57.3*	9	*	10	44.4*

[1] Data are based on the decedent's county of residence.

Numbers greater than zero but less than five and rates based on numbers greater than zero but less than 10 are suppressed in accordance with state data management policy. Suppressed rates are indicated with an asterisk (*). Rates based on counts less than 20 are unstable and should be interpreted with caution. Rates are presented as the number of deaths per 100,000 population. Produced by the Kentucky Injury Prevention and Research Center, as bona fide agent for the Kentucky Department for Public Health. Data extracted May 2024. Data are provisional and subject to change.

Table 11.3.1, cont.: Numbers and rates of drug overdose deaths among Kentucky residents by county[1], 2019–2023

		All Drugs		All Opioids		All Stimulants	
County	**Year**	**Number**	**Rate**	**Number**	**Rate**	**Number**	**Rate**
Harrison	2019	7	*	5	*	<5	*
	2020	8	*	8	*	0	0.0
	2021	15*	93.3	15	93.3*	<5	*
	2022	12*	68.9	12	68.9*	<5	*
	2023	5	*	<5	*	<5	*
Hart	2019	<5	*	<5	*	0	0.0
	2020	<5	*	<5	*	<5	*
	2021	7	*	<5	*	<5	*
	2022	5	*	<5	*	<5	*
	2023	7	*	5	*	5	*
Henderson	2019	0	0.0	0	0.0	0	0.0
	2020	8	*	5	*	<5	*
	2021	8	*	<5	*	<5	*
	2022	15	37.9*	11	28.9*	5	*
	2023	18	44.3*	13	31.8*	7	*
Henry	2019	5	*	<5	*	<5	*
	2020	12	90.7*	12	90.7*	6	*
	2021	6	*	5	*	<5	*
	2022	9	*	8	*	6	*
	2023	6	*	6	*	<5	*

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Rates are presented as the number of deaths per 100,000 population. Produced by the Kentucky Injury Prevention and Research Center, as bona fide agent for the Kentucky Department for Public Health. Data extracted May 2024. Data are provisional and subject to change.

Table 11.3.1, cont.: Numbers and rates of drug overdose deaths among Kentucky residents by county[1], 2019–2023

		All Drugs		All Opioids		All Stimulants	
County	**Year**	**Number**	**Rate**	**Number**	**Rate**	**Number**	**Rate**
Hickman	2019	0	0.0	0	0.0	0	0.0
	2020	0	0.0	0	0.0	0	0.0
	2021	<5	*	0	0.0	0	0.0
	2022	<5	*	<5	*	<5	*
	2023	<5	*	0	0.0	<5	*
Hopkins	2019	5	*	<5	*	<5	*
	2020	6	*	<5	*	<5	*
	2021	5	*	<5	*	<5	*
	2022	9	*	<5	*	8	*
	2023	<5	*	<5	*	<5	*
Jackson	2019	<5	*	<5	*	<5	*
	2020	<5	*	<5	*	<5	*
	2021	0	0.0	0	0.0	0	0.0
	2022	9	*	5	*	<5	*
	2023	5	*	<5	*	5	*
Jefferson	2019	319	43.1	271	37.0	129	17.5
	2020	513	67.8	453	60.4	229	30.7
	2021	572	76.0	509	67.6	303	40.4
	2022	518	69.8	448	60.7	295	39.4
	2023	497	66.4	425	57.6	304	40.5

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Table 11.3.1, cont.: Numbers and rates of drug overdose deaths among Kentucky residents by county[1], 2019–2023

		All Drugs		All Opioids		All Stimulants	
County	**Year**	**Number**	**Rate**	**Number**	**Rate**	**Number**	**Rate**
Jessamine	2019	22	44.0	18	36.3*	8	*
	2020	34	67.0	32	62.7	14	29.5*
	2021	23	45.8	21	41.2	12	25.2*
	2022	40	81.9	38	78.0	20	40.3
	2023	28	56.2	26	52.0	17	32.1*
Johnson	2019	<5	*	<5	*	<5	*
	2020	6	*	<5	*	<5	*
	2021	9	*	<5	*	6	*
	2022	8	*	8	*	6	*
	2023	12	59.3	8	*	8	*
Kenton	2019	78	47.4	64	40.5	26	16.4
	2020	85	51.3	76	45.9	25	15.8
	2021	91	51.5	82	46.3	35	20.6
	2022	66	40.0	63	38.0	26	15.5
	2023	80	45.3	64	37.3	47	27.4
Knott	2019	7	*	6	*	<5	*
	2020	19	128.3*	12	92.2	12	73.5*
	2021	16	131.5*	15	124.2	11	95.5*
	2022	15	130.9*	9	*	11	103.8*
	2023	13	100.0*	9	*	9	*

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Table 11.3.1, cont.: Numbers and rates of drug overdose deaths among Kentucky residents by county[1], 2019–2023

		All Drugs		All Opioids		All Stimulants	
County	**Year**	**Number**	**Rate**	**Number**	**Rate**	**Number**	**Rate**
Knox	2019	9	*	<5	*	6	*
	2020	11	39.2*	7	*	10	36.4*
	2021	17	63.9*	12	48.9*	14	56.4*
	2022	8	*	5	*	5	*
	2023	<5	*	<5	*	<5	*
Larue	2019	<5	*	<5	*	<5	*
	2020	<5	*	0	0.0	<5	*
	2021	<5	*	<5	*	<5	*
	2022	<5	*	<5	*	<5	*
	2023	5	*	<5	*	<5	*
Laurel	2019	5	*	<5	*	<5	*
	2020	22	36.5	14	24.5*	12	20.9*
	2021	16	26.0*	8	*	14	22.2*
	2022	23	37.0	17	27.2*	14	23.8*
	2023	33	54.0	22	35.5	18	28.7*
Lawrence	2019	<5	*	<5	*	0	0.0
	2020	<5	*	<5	*	0	0.0
	2021	15	96.6*	14	92.4*	10	71.1*
	2022	10	71.0*	9	*	<5	*
	2023	7	*	7	*	<5	*

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Rates are presented as the number of deaths per 100,000 population. Produced by the Kentucky Injury Prevention and Research Center, as bona fide agent for the Kentucky Department for Public Health. Data extracted May 2024. Data are provisional and subject to change.

Table 11.3.1, cont.: Numbers and rates of drug overdose deaths among Kentucky residents by county[1], 2019–2023

		All Drugs		All Opioids		All Stimulants	
County	**Year**	**Number**	**Rate**	**Number**	**Rate**	**Number**	**Rate**
Lee	2019	8	*	<5	*	<5	*
	2020	5	*	<5	*	<5	*
	2021	6	*	<5	*	<5	*
	2022	11	154.6*	9	*	5	*
	2023	11	155.9*	10	138.4*	5	*
Leslie	2019	<5	*	<5	*	<5	*
	2020	<5	*	<5	*	<5	*
	2021	6	*	5	*	<5	*
	2022	<5	*	<5	*	<5	*
	2023	<5	*	<5	*	<5	*
Letcher	2019	7	*	<5	*	<5	*
	2020	5	*	5	*	<5	*
	2021	16	74.3*	13	64.4*	6	*
	2022	13	62.5*	11	53.2*	7	*
	2023	5	*	<5	*	<5	*
Lewis	2019	<5	*	<5	*	<5	*
	2020	<5	*	<5	*	<5	*
	2021	8	*	<5	*	7	*
	2022	7	*	<5	*	5	*
	2023	9	*	8	*	8	*

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Rates are presented as the number of deaths per 100,000 population. Produced by the Kentucky Injury Prevention and Research Center, as bona fide agent for the Kentucky Department for Public Health. Data extracted May 2024. Data are provisional and subject to change.

Table 11.3.1, cont.: Numbers and rates of drug overdose deaths among Kentucky residents by county[1], 2019–2023

		All Drugs		All Opioids		All Stimulants	
County	**Year**	**Number**	**Rate**	**Number**	**Rate**	**Number**	**Rate**
Lincoln	2019	5	*	<5	*	<5	*
	2020	15	66.1*	8	*	13	56.5*
	2021	13	56.1*	7	*	10	42.0*
	2022	15	74.3*	10	51.2*	10	49.1*
	2023	17	76.4*	15	70.5*	9	*
Livingston	2019	<5	*	<5	*	<5	*
	2020	<5	*	0	0.0	0	0.0
	2021	<5	*	0	0.0	0	0.0
	2022	<5	*	0	0.0	0	0.0
	2023	<5	*	<5	*	0	0.0
Logan	2019	<5	*	0	0.0	<5	*
	2020	<5	*	<5	*	<5	*
	2021	9	*	<5	*	<5	*
	2022	6	*	<5	*	<5	*
	2023	7	*	<5	*	<5	*
Lyon	2019	<5	*	<5	*	0	0.0
	2020	<5	*	<5	*	<5	*
	2021	<5	*	<5	*	0	0.0
	2022	<5	*	0	0.0	0	0.0
	2023	0	0.0	0	0.0	0	0.0

[1] Data are based on the decedent's county of residence.

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Rates are presented as the number of deaths per 100,000 population. Produced by the Kentucky Injury Prevention and Research Center, as bona fide agent for the Kentucky Department for Public Health. Data extracted May 2024. Data are provisional and subject to change.

Table 11.3.1, cont.: Numbers and rates of drug overdose deaths among Kentucky residents by county[1], 2019–2023

		All Drugs		All Opioids		All Stimulants	
County	**Year**	**Number**	**Rate**	**Number**	**Rate**	**Number**	**Rate**
Madison	2019	53	63.9	41	48.7	26	31.7
	2020	68	82.3	55	67.6	34	42.3
	2021	85	100.0	77	90.6	51	61.3
	2022	65	71.6	51	56.4	35	40.8
	2023	63	72.1	54	62.5	42	49.5
Mago in	2019	<5	*	<5	*	<5	*
	2020	8	*	7	*	5	*
	2021	8	*	<5	*	5	*
	2022	14	139.9*	10	103.1*	6	*
	2023	8	*	5	*	<5	*
Marion	2019	<5	*	<5	*	<5	*
	2020	11	55.0*	9	*	7	*
	2021	14	83.5*	12	70.9*	9	*
	2022	10	54.0*	9	*	6	*
	2023	6	*	<5	*	<5	*
Marshall	2019	<5	*	<5	*	<5	*
	2020	<5	*	<5	*	0	0.0
	2021	8	*	<5	*	<5	*
	2022	<5	*	<5	*	<5	*
	2023	<5	*	<5	*	<5	*

[1] Data are based on the decedent's county of residence.

* Numbers greater than zero but less than five and rates based on numbers greater than zero but less than 10 are suppressed in accordance with state data management policy. Rates based on counts less than 20 are unstable and should be interpreted with caution.

Rates are presented as the number of deaths per 100,000 population. Produced by the Kentucky Injury Prevention and Research Center, as bona fide agent for the Kentucky Department for Public Health. Data extracted May 2024. Data are provisional and subject to change.

Table 11.3.1, cont.: Numbers and rates of drug overdose deaths among Kentucky residents by county[1], 2019–2023

		All Drugs		All Opioids		All Stimulants	
County	**Year**	**Number**	**Rate**	**Number**	**Rate**	**Number**	**Rate**
Martin	2019	6	*	<5	*	<5	*
	2020	6	*	<5	*	<5	*
	2021	6	*	5	*	<5	*
	2022	8	*	<5	*	<5	*
	2023	8	*	<5	*	5	*
Mason	2019	<5	*	<5	*	<5	*
	2020	<5	*	<5	*	<5	*
	2021	5	*	5	*	<5	*
	2022	13	88.3*	10	69.5*	5	*
	2023	<5	*	<5	*	<5	*
McCracken	2019	12	19.8*	<5	*	6	*
	2020	12	19.7*	5	*	7	*
	2021	7	*	<5	*	<5	*
	2022	17	25.6*	10	15.0*	10	15.0*
	2023	14	20.7*	8	*	8	*
McCreary	2019	0	0.0	0	0.0	0	0.0
	2020	<5	*	<5	*	0	0.0
	2021	6	*	<5	*	5	*
	2022	9	*	7	*	7	*
	2023	<5	*	<5	*	0	0.0

[1] Data are based on the decedent's county of residence.

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Table 11.3.1, cont.: Numbers and rates of drug overdose deaths among Kentucky residents by county[1], 2019–2023

		All Drugs		All Opioids		All Stimulants	
County	**Year**	**Number**	**Rate**	**Number**	**Rate**	**Number**	**Rate**
McLean	2019	<5	*	0	0.0	0	0.0
	2020	0	0.0	0	0.0	0	0.0
	2021	<5	*	0	0.0	<5	*
	2022	<5	*	<5	*	<5	*
	2023	<5	*	<5	*	<5	*
Meade	2019	<5	*	<5	*	<5	*
	2020	10	32.5*	8	*	<5	*
	2021	15	49.8*	7	*	10	32.7*
	2022	6	*	5	*	<5	*
	2023	6	*	5	*	5	*
Menifee	2019	0	0.0	0	0.0	0	0.0
	2020	<5	*	<5	*	<5	*
	2021	<5	*	<5	*	<5	*
	2022	5	*	<5	*	<5	*
	2023	8	*	6	*	5	*
Mercer	2019	5	*	<5	*	<5	*
	2020	7	*	<5	*	5	*
	2021	12	62.1*	11	58.1*	5	*
	2022	17	80.3*	13	67.0*	10	49.7*
	2023	6	*	5	*	<5	*

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Table 11.3.1, cont.: Numbers and rates of drug overdose deaths among Kentucky residents by county[1], 2019–2023

		All Drugs		All Opioids		All Stimulants	
County	**Year**	**Number**	**Rate**	**Number**	**Rate**	**Number**	**Rate**
Metcalfe	2019	0	0.0	0	0.0	0	0.0
	2020	<5	*	<5	*	<5	*
	2021	0	0.0	0	0.0	0	0.0
	2022	<5	*	<5	*	<5	*
	2023	<5	*	0	0.0	0	0.0
Monroe	2019	<5	*	<5	*	<5	*
	2020	<5	*	<5	*	0	0.0
	2021	<5	*	<5	*	<5	*
	2022	<5	*	<5	*	<5	*
	2023	<5	*	<5	*	<5	*
Montgomery	2019	9	*	7	*	<5	*
	2020	14	53.6*	14	53.6*	6	*
	2021	30	115.5	28	108.2	17	65.1*
	2022	22	85.1	18	69.8*	9	*
	2023	18	62.8*	15	53.4*	12	42.9*
Morgan	2019	<5	*	<5	*	<5	*
	2020	6	*	<5	*	<5	*
	2021	6	*	5	*	<5	*
	2022	<5	*	<5	*	<5	*
	2023	7	*	5	*	<5	*

[1] Data are based on the decedent's county of residence.

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Table 11.3.1, cont.: Numbers and rates of drug overdose deaths among Kentucky residents by county[1], 2019–2023

		All Drugs		All Opioids		All Stimulants	
County	**Year**	**Number**	**Rate**	**Number**	**Rate**	**Number**	**Rate**
Muhlenberg	2019	<5	*	<5	*	<5	*
	2020	8	*	<5	*	<5	*
	2021	7	*	<5	*	<5	*
	2022	<5	*	<5	*	<5	*
	2023	7	*	<5	*	<5	*
Nelson	2019	13	33.2*	9	*	6	*
	2020	20	45.9	19	43.2*	9	*
	2021	24	52.8	15	36.2*	8	*
	2022	20	49.1	13	30.7*	7	*
	2023	20	44.6	17	39.2*	9	*
Nicholas	2019	<5	*	<5	*	<5	*
	2020	7	*	7	*	<5	*
	2021	<5	*	<5	*	0	0.0
	2022	<5	*	<5	*	<5	*
	2023	<5	*	<5	*	<5	*
Ohio	2019	<5	*	0	0.0	<5	*
	2020	<5	*	0	0.0	0	0.0
	2021	<5	*	<5	*	0	0.0
	2022	<5	*	<5	*	<5	*
	2023	0	0.0	0	0.0	0	0.0

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Table 11.3.1, cont.: Numbers and rates of drug overdose deaths among Kentucky residents by county[1], 2019–2023

		All Drugs		All Opioids		All Stimulants	
County	**Year**	**Number**	**Rate**	**Number**	**Rate**	**Number**	**Rate**
Oldham	2019	16	25.9*	13	21.1*	7	*
	2020	8	*	8	*	<5	*
	2021	13	19.6*	10	14.5*	5	*
	2022	11	15.8*	9	*	<5	*
	2023	17	24.7*	13	19.4*	6	*
Owen	2019	7	*	<5	*	<5	*
	2020	6	*	6	*	<5	*
	2021	<5	*	<5	*	0	0.0
	2022	6	*	5	*	<5	*
	2023	<5	*	<5	*	<5	*
Owsley	2019	<5	*	<5	*	<5	*
	2020	<5	*	0	0.0	<5	*
	2021	<5	*	<5	*	<5	*
	2022	<5	*	<5	*	<5	*
	2023	5	*	<5	*	<5	*
Pendleton	2019	6	*	5	*	<5	*
	2020	5	*	<5	*	<5	*
	2021	14	92.2*	9	*	<5	*
	2022	<5	*	<5	*	<5	*
	2023	7	*	5	*	<5	*

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Table 11.3.1: Numbers and rates of drug overdose deaths among Kentucky residents by county[1], 2019–2023

		All Drugs		All Opioids		All Stimulants	
County	**Year**	**Number**	**Rate**	**Number**	**Rate**	**Number**	**Rate**
Perry	2019	5	*	<5	*	<5	*
	2020	17	63.4*	13	50.4*	7	*
	2021	35	131.7	30	112.2	20	83.5
	2022	19	71.6*	12	46.0*	10	41.6*
	2023	24	93.3	17	66.5*	16	62.3*
Pike	2019	23	42.1	12	22.9*	11	22.4*
	2020	25	46.4	20	38.5	11	22.9*
	2021	37	70.6	27	52.9	16	31.9*
	2022	52	94.9	41	74.7	31	55.9
	2023	40	74.5	31	58.0	24	46.8
Powell	2019	5	*	<5	*	<5	*
	2020	9	*	9	*	<5	*
	2021	11	93.4*	9	*	9	*
	2022	10	86.5*	8	*	8	*
	2023	16	121.1*	16	121.1*	<5	*
Pulaski	2019	14	23.1*	11	18.4*	5	*
	2020	24	40.4	17	29.4*	12	21.0*
	2021	34	59.0	28	50.8	19	34.3*
	2022	29	47.9	21	36.3	15	24.6*
	2023	21	35.6	15	25.8*	12	21.1*

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Table 11.3.1, cont.: Numbers and rates of drug overdose deaths among Kentucky residents by county[1], 2019–2023

		All Drugs		All Opioids		All Stimulants	
County	**Year**	**Number**	**Rate**	**Number**	**Rate**	**Number**	**Rate**
Robertson	2019	<5	*	<5	*	0	0.0
	2020	<5	*	<5	*	0	0.0
	2021	<5	*	<5	*	0	0.0
	2022	0	0.0	0	0.0	0	0.0
	2023	0	0.0	0	0.0	0	0.0
Rockcastle	2019	<5	*	<5	*	<5	*
	2020	8	*	7	*	8	*
	2021	15	98.0*	11	73.5*	10	64.9*
	2022	8	*	6	*	6	*
	2023	15	91.8*	14	88.5*	9	*
Rowan	2019	<5	*	<5	*	<5	*
	2020	10	50.4*	8	*	<5	*
	2021	27	127.6	25	118.3	17	81.2*
	2022	16	84.7*	15	80.0*	8	*
	2023	20	94.9	15	71.4*	14	64.9*
Russell	2019	8	*	<5	*	<5	*
	2020	<5	*	<5	*	<5	*
	2021	<5	*	<5	*	<5	*
	2022	8	*	6	*	6	*
	2023	6	*	<5	*	<5	*

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Table 11.3.1, cont.: Numbers and rates of drug overdose deaths among Kentucky residents by county[1], 2019–2023

		All Drugs		All Opioids		All Stimulants	
County	**Year**	**Number**	**Rate**	**Number**	**Rate**	**Number**	**Rate**
Scott	2019	13	22.4*	10	18.0*	<5	*
	2020	29	50.6	19	33.8*	8	*
	2021	21	37.7	19	34.3*	10	18.1*
	2022	25	43.3	14	24.0*	12	19.9*
	2023	17	28.3*	12	21.1*	8	*
Shelby	2019	14	30.5*	13	27.9*	<5	*
	2020	14	28.1*	8	*	5	*
	2021	14	31.9*	12	27.7*	6	*
	2022	30	64.1	26	56.0	14	30.1*
	2023	12	24.0*	10	19.5*	5	*
Simpson	2019	<5	*	<5	*	0	0.0
	2020	<5	*	<5	*	<5	*
	2021	10	56.0*	9	*	5	*
	2022	<5	*	<5	*	<5	*
	2023	8	*	8	*	<5	*
Spencer	2019	<5	*	<5	*	<5	*
	2020	7	*	<5	*	<5	*
	2021	<5	*	<5	*	<5	*
	2022	5	*	5	*	<5	*
	2023	<5	*	<5	*	0	0.0

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Table 11.3.1, cont.: Numbers and rates of drug overdose deaths among Kentucky residents by county[1], 2019–2023

		All Drugs		All Opioids		All Stimulants	
County	**Year**	**Number**	**Rate**	**Number**	**Rate**	**Number**	**Rate**
Taylor	2019	6	*	<5	*	<5	*
	2020	14	57.5*	11	50.0	<5	*
	2021	8	*	6	*	6	*
	2022	20	79.5	15	63.7*	11	42.4*
	2023	13	50.1*	9	*	6	*
Todd	2019	<5	*	0	0.0	0	0.0
	2020	5	*	<5	*	<5	*
	2021	<5	*	<5	*	0	0.0
	2022	<5	*	<5	*	<5	*
	2023	<5	*	<5	*	<5	*
Trigg	2019	<5	*	<5	*	0	0.0
	2020	<5	*	0	0.0	<5	*
	2021	<5	*	<5	*	<5	*
	2022	<5	*	<5	*	<5	*
	2023	0	0.0	0	0.0	0	0.0
Trimble	2019	<5	*	<5	*	<5	*
	2020	<5	*	0	0.0	<5	*
	2021	5	*	<5	*	<5	*
	2022	<5	*	0	0.0	<5	*
	2023	0	0.0	0	0.0	0	0.0

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Table 11.3.1, cont.: Numbers and rates of drug overdose deaths among Kentucky residents by county[1], 2019–2023

		All Drugs		All Opioids		All Stimulants	
County	**Year**	**Number**	**Rate**	**Number**	**Rate**	**Number**	**Rate**
Union	2019	<5	*	<5	*	0	0.0
	2020	<5	*	<5	*	0	0.0
	2021	6	*	5	*	<5	*
	2022	<5	*	<5	*	<5	*
	2023	<5	*	<5	*	0	0.0
Warren	2019	21	17.7	14	11.8*	6	*
	2020	25	18.9	17	13.5*	11	8.2*
	2021	35	27.7	27	21.2	17	14.5*
	2022	31	24.0	23	18.0	15	13.2*
	2023	29	23.1	20	15.9	15	12.5*
Washington	2019	<5	*	<5	*	<5	*
	2020	<5	*	<5	*	<5	*
	2021	<5	*	<5	*	<5	*
	2022	<5	*	<5	*	<5	*
	2023	7	*	5	*	<5	*
Wayne	2019	<5	*	0	0.0	0	0.0
	2020	8	*	<5	*	<5	*
	2021	<5	*	0	0.0	<5	*
	2022	5	*	0	0.0	<5	*
	2023	10	59.8*	<5	*	5	*

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Table 11.3.1, cont.: Numbers and rates of drug overdose deaths among Kentucky residents by county[1], 2019–2023

		All Drugs		All Opioids		All Stimulants	
County	**Year**	**Number**	**Rate**	**Number**	**Rate**	**Number**	**Rate**
Webster	2019	0	0.0	0	0.0	0	0.0
	2020	<5	*	<5	*	<5	*
	2021	0	0.0	0	0.0	0	0.0
	2022	5	*	<5	*	<5	*
	2023	<5	*	<5	*	0	0.0
Whitley	2019	8	*	<5	*	5	*
	2020	12	41.7*	9	*	<5	*
	2021	16	47.2*	13	40.3*	6	*
	2022	33	99.8	24	72.5	16	51.1*
	2023	19	59.3*	18	55.7*	11	35.7*
Wolfe	2019	<5	*	<5	*	<5	*
	2020	8	*	5	*	<5	*
	2021	6	*	<5	*	<5	*
	2022	6	*	<5	*	<5	*
	2023	6	*	<5	*	<5	*
Woodford	2019	9	*	5	*	<5	*
	2020	11	42.2*	11	42.2*	5	*
	2021	15	61.1*	15	61.1*	7	*
	2022	8	*	7	*	<5	*
	2023	9	*	9	*	6	*

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