



**KENTUCKY INJURY PREVENTION
AND RESEARCH CENTER**

Kentucky Resident Drug Overdose Deaths, 2017–2021

Annual Report

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Executive Summary

Total Numbers of Drug Overdose Deaths

- In 2021, a total of 2,251 Kentucky residents died from a drug overdose. This was an increase of 14.6% over the 1,965 drug overdose deaths among Kentucky residents in 2020.
- Among the drug overdose deaths of 2021, a total of 1,791 deaths or 79.6% involved at least one type of opioid, while 1,148 or 51% involved at least one type of stimulant.
- The total number of opioid overdose deaths among Kentucky residents increased by 12.4%, from 1,594 deaths in 2020 to 1,791 deaths in 2021.
- The total number of stimulant overdose deaths among Kentucky residents increased by 38.8%, from 827 deaths in 2020 to 1,148 deaths in 2021.

Drug Overdose Deaths, by Sex

- For the five-year period from 2017 to 2021, 65.2% of Kentucky resident decedents were men. Men also made up 66.1% of all opioid overdose deaths among Kentucky residents and 68.2% of all stimulant overdose deaths among Kentucky residents.
- Among male Kentucky residents, the total number of drug overdose deaths increased by 11.3% (from 1,358 deaths to 1,512 deaths) from 2020 to 2021. For this same time period, opioid overdose deaths among male Kentucky residents increased by 8.7% (from 1,106 deaths to 1,202 deaths), while stimulant overdose deaths among male Kentucky residents increased by 35.2% (from 593 deaths to 802 deaths).
- Among female Kentucky residents, the total number of drug overdose deaths increased by 21.7% (from 607 deaths to 739 deaths) from 2020 to 2021. For that same time period, opioid overdose deaths among female Kentucky residents increased by 20.7% (from 488 deaths to 589 deaths), while stimulant overdose deaths among female Kentucky residents increased by 47.9% (from 234 deaths to 346 deaths).

Drug Overdose Deaths, by Race

- For the five-year period from 2017 to 2021, 90.7% of Kentucky resident decedents were white. White decedents also made up 90.7% of all opioid overdose deaths among Kentucky residents and 88.6% of all stimulant overdose deaths among Kentucky residents.
- Among white Kentucky residents, the total number of drug overdose deaths increased by 12.9% (from 1,773 deaths to 2,001 deaths) from 2020 to 2021. For that same time period, opioid overdose deaths among white Kentucky residents increased by 9.3% (from 1,773 deaths to 2,001 deaths), while stimulant overdose deaths among white Kentucky residents increased by 37.5% (274 deaths).
- Among black Kentucky residents, the total number of drug overdose deaths increased by 34.3% (from 172 deaths to 231 deaths) from 2020 to 2021. For that same time period, opioid overdose deaths among black Kentucky residents increased by 41.1% (from 141 deaths to 199 deaths), while stimulant overdose deaths among black Kentucky residents increased by 51.1% (from 90 deaths to 136 deaths).

- 2021 was the first year when the drug overdose death rate among black Kentucky residents (58.5 deaths per 100,000 residents) was higher than the rate among white Kentucky residents (53.5 deaths per 100,000 residents). The rate of deaths from opioid overdoses was also higher among black Kentucky residents (50.2 deaths per 100,000 residents) than among white Kentucky residents (42.7 deaths per 100,000 residents) for the first time in 2021. Finally, stimulant overdose deaths were higher among black Kentucky residents than among white Kentucky residents for both 2020 (23.5 and 20.0 deaths per 100,000 residents, respectively) and 2021 (33.7 and 27.5 deaths per 100,000 residents, respectively).

Drug Overdose Deaths, by Drug

- Of the 2,251 drug overdose deaths in 2021, fentanyl was involved in 1,562 (69.4%) deaths, an increase of 15.4% over the 1,354 deaths in 2020.
- Methamphetamine was involved in 858 (38.1%) of the overdose deaths in 2021, an increase of 48.2% over the 579 methamphetamine-involved overdose deaths in 2020.

Drug Overdose Death Rates, by County

- The following table includes the 10 Kentucky counties with the highest drug overdose mortality rates for 2021.

Rank	Kentucky County	Rate of Drug Overdose Deaths per 100,000 Residents	Number of Drug Overdose Deaths
1	Estill	150.3	22
2	Gallatin	149.2	12
3	Perry	144.7	35
4	Rowan	130.5	27
5	Knott	127.1	16
6	Montgomery	116.3	30
7	Carroll	112.2	10
8	Boyd	106.1	47
9	Lawrence	102.7	15
10	Powell	100.9	11

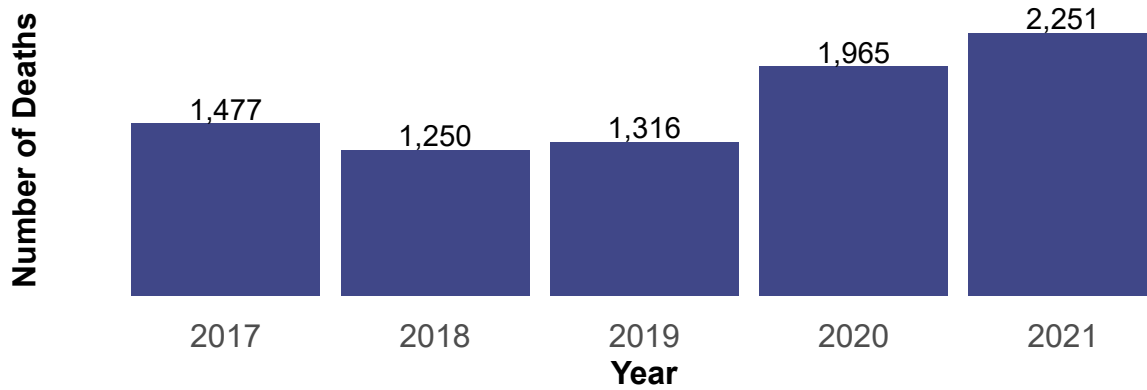
Note:

Counties with rates based on numbers less than 10 have been excluded from this list.

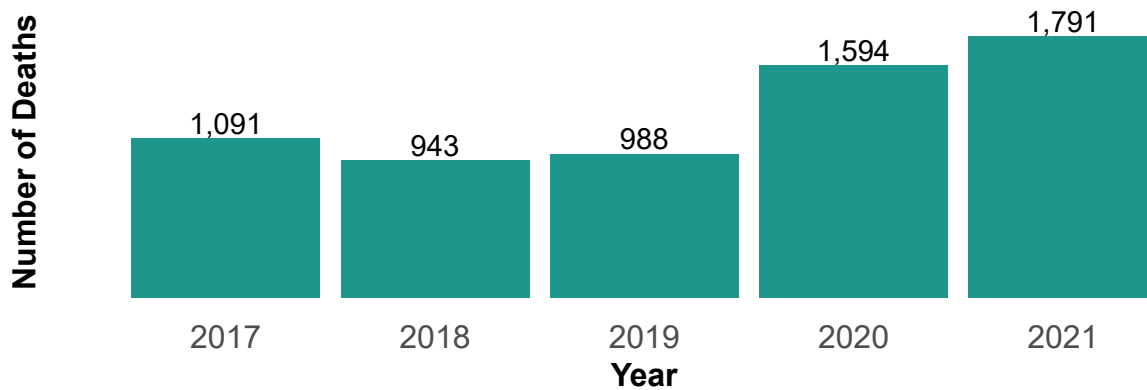
Number and Rate of Deaths

Numbers of Drug Overdose Deaths among Kentucky Residents, 2017–2021

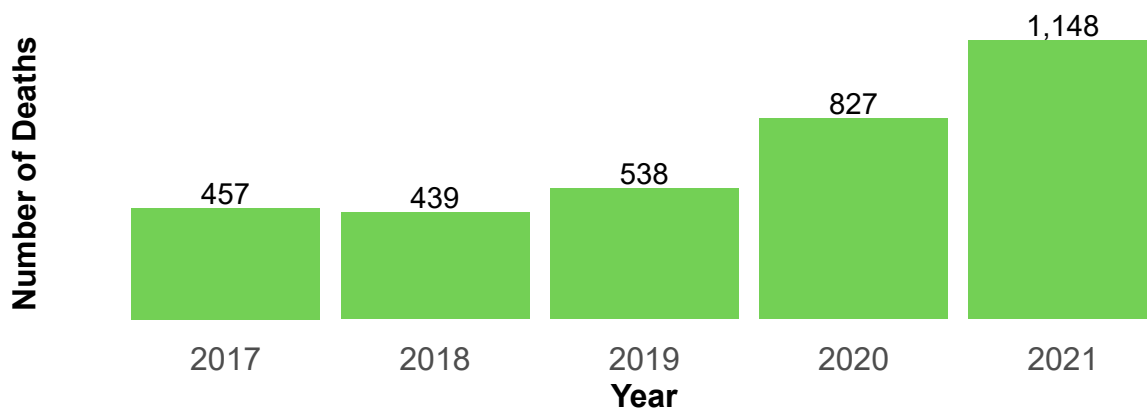
All Drugs



Any Opioid

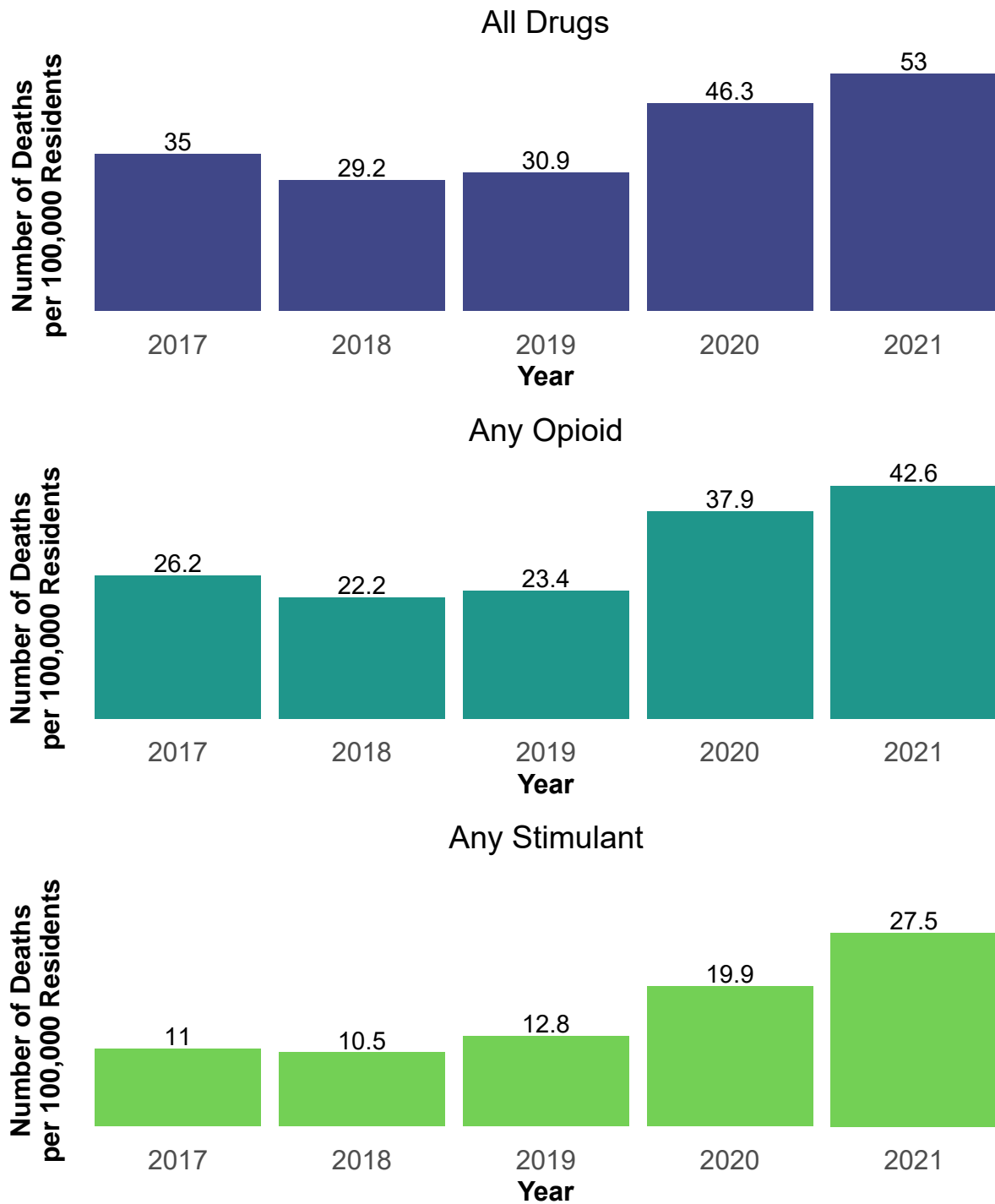


Any Stimulant



Produced by the Kentucky Injury Prevention and Research Center as bona fide agent for the Kentucky Department for Public Health. Data are provisional and subject to change. June 2022.

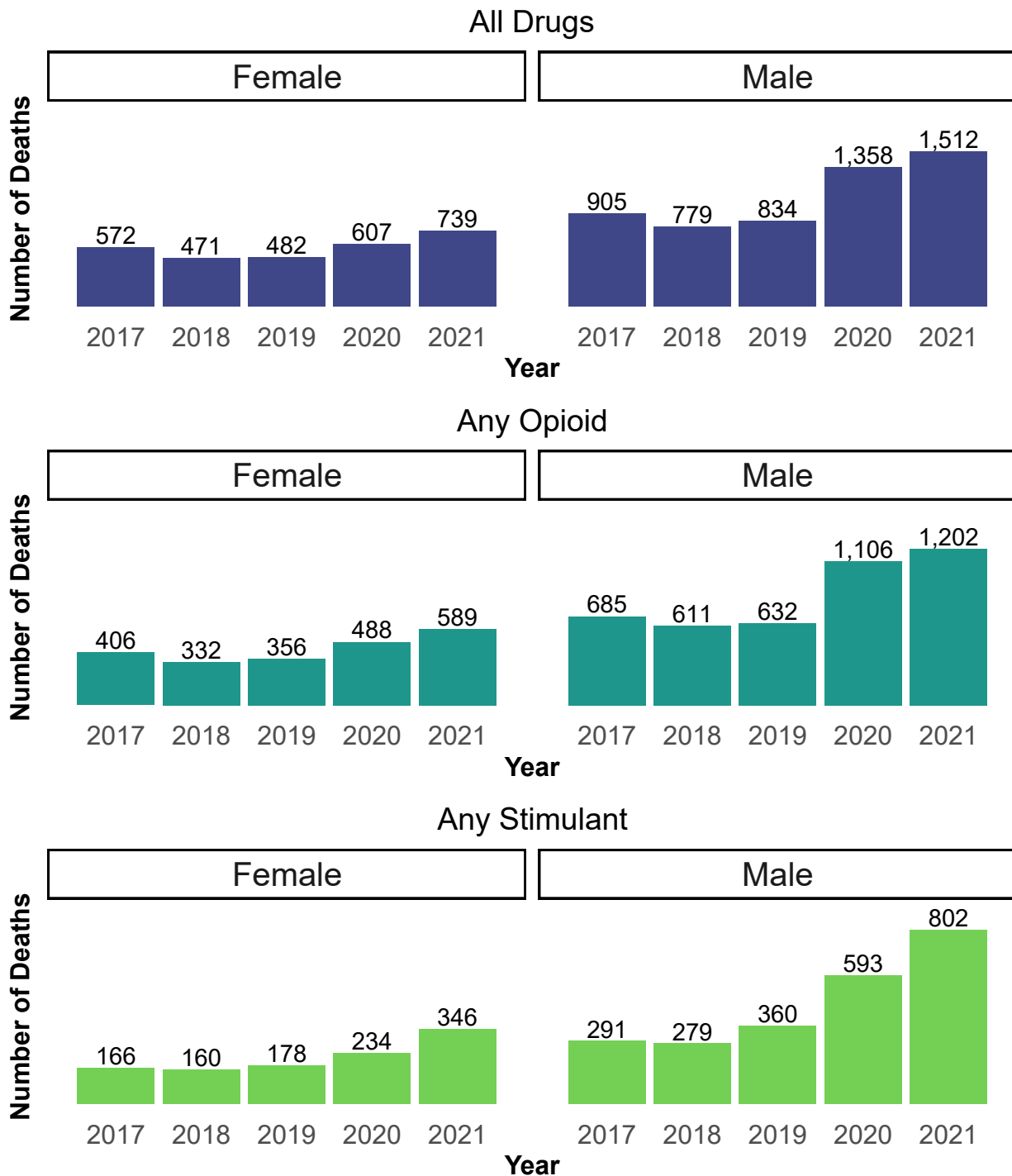
Age-Adjusted Rates of Drug Overdose Deaths among Kentucky Residents, 2017–2021



Rates are presented as the number of events 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 are provisional and subject to change. June 2022.

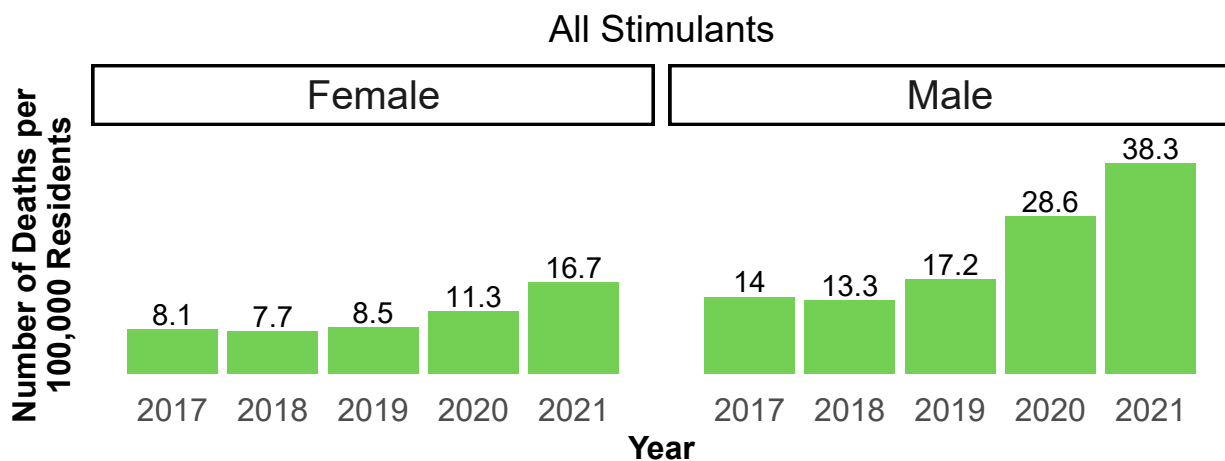
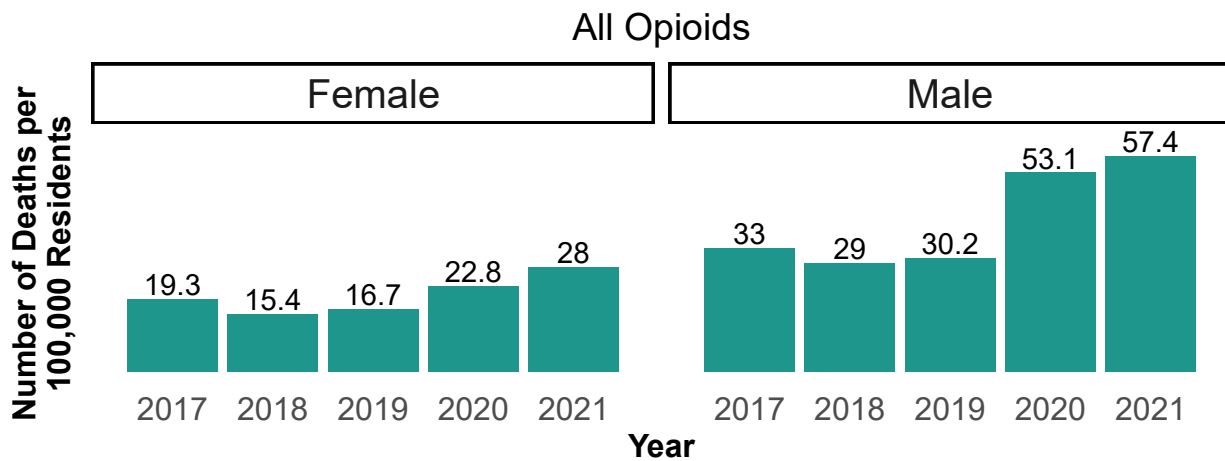
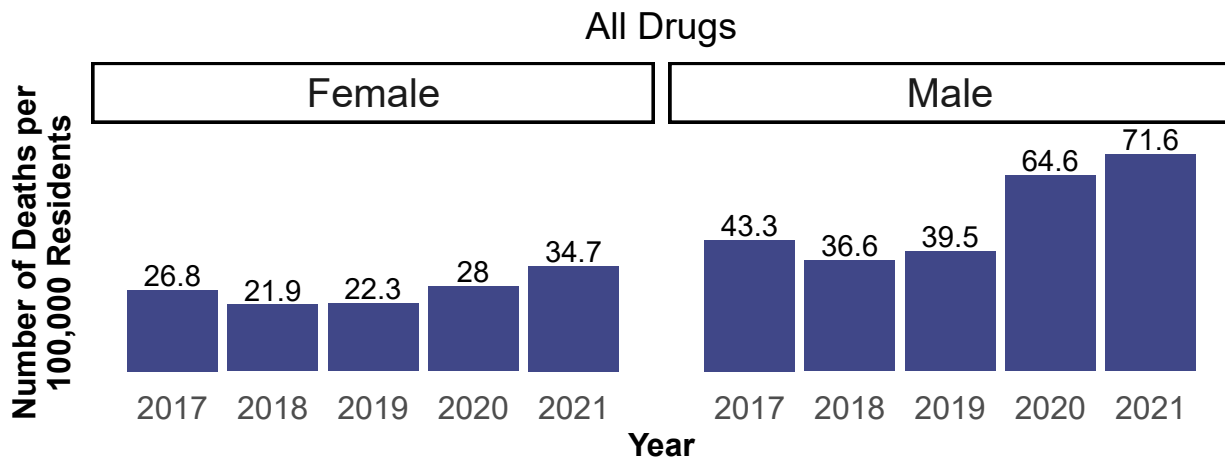
Number and Rate of Deaths, by Sex

Numbers of Drug Overdose Deaths among Kentucky Residents by Sex, 2017–2021



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Age-Adjusted Rates of Drug Overdose Deaths among Kentucky Residents by Sex, 2017–2021

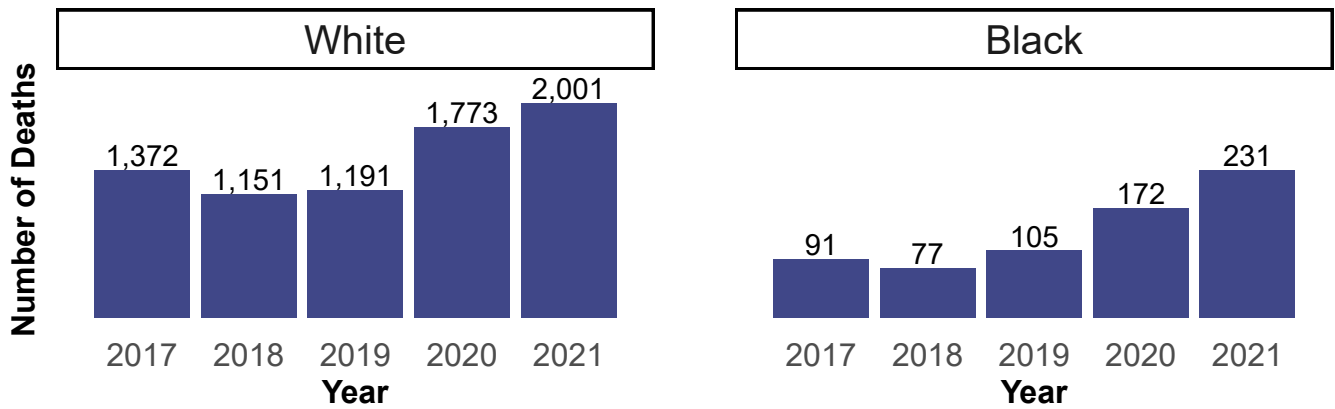


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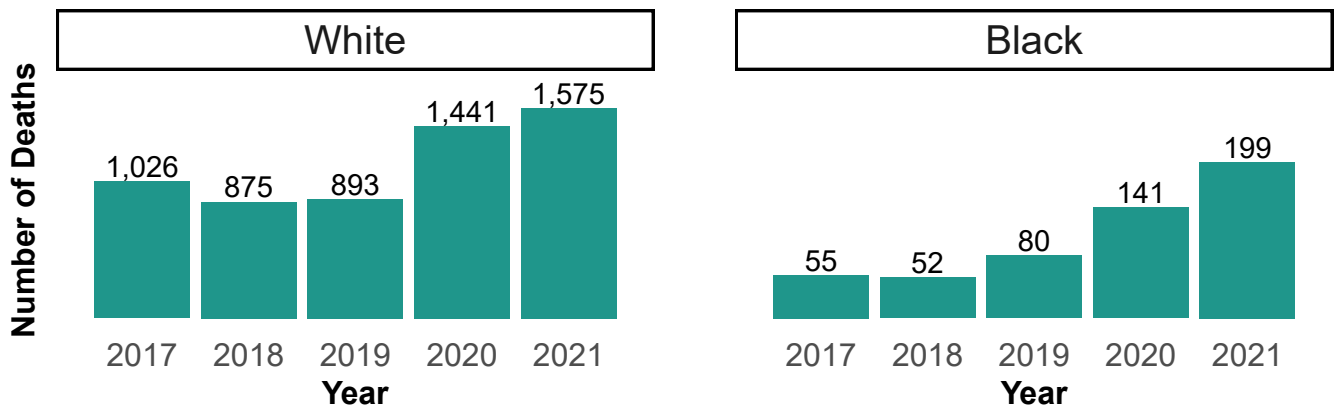
Number and Rate of Deaths, by Race

Numbers of Drug Overdose Deaths among Kentucky Residents by Race, 2017–2021

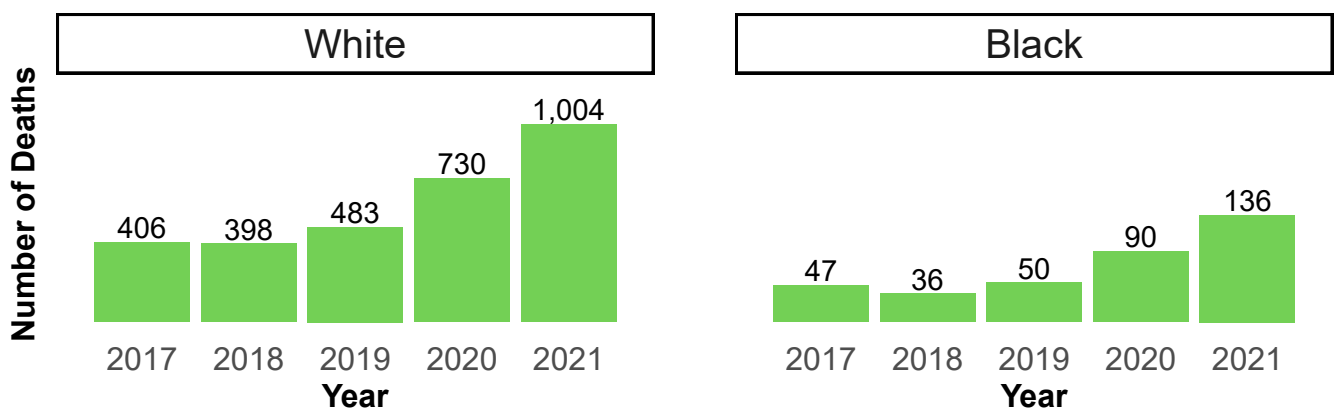
All Drugs



Any Opioid

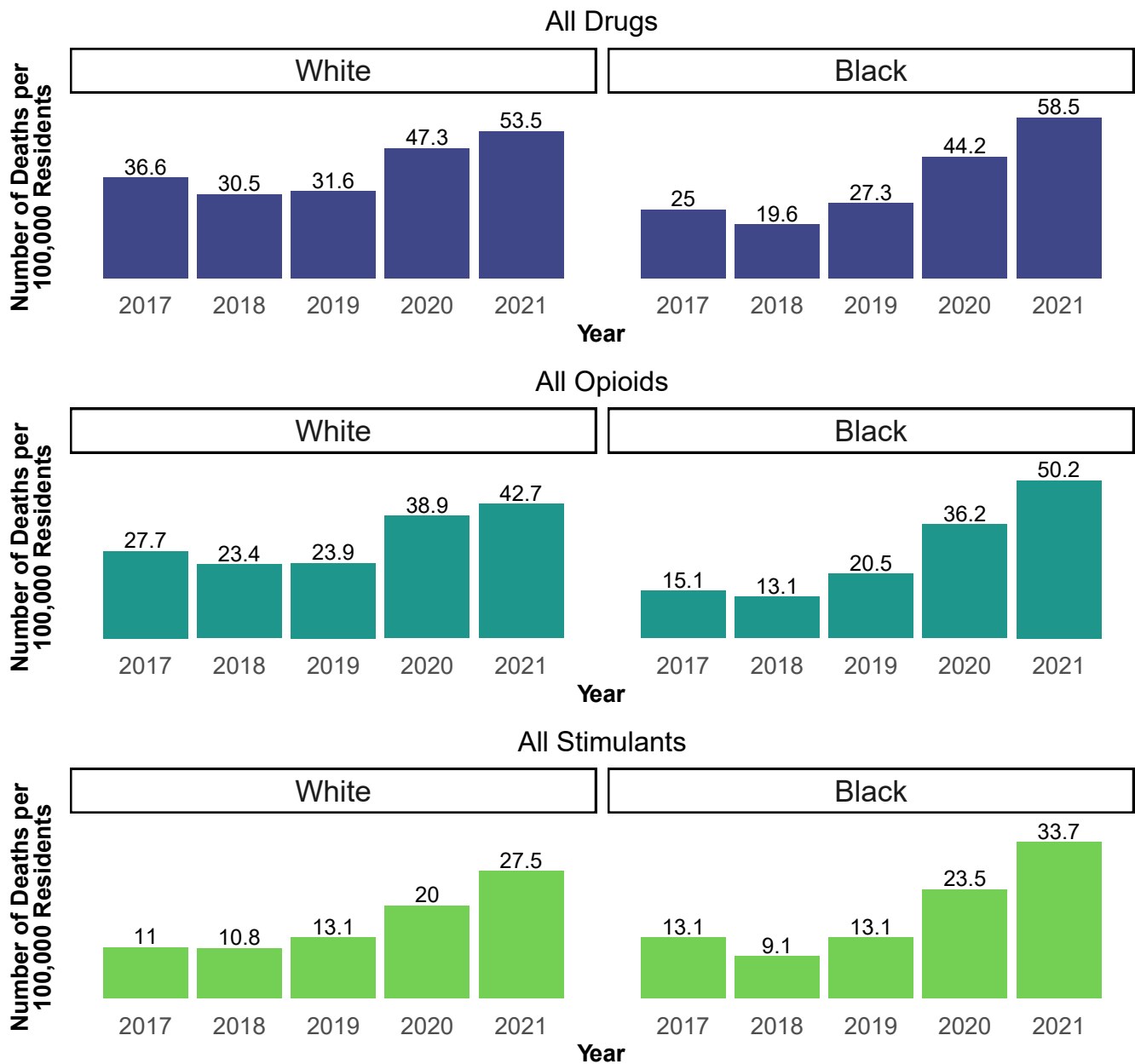


Any Stimulant



Decedents of other or unknown race were excluded from this analysis (n = 2,459). Produced by the Kentucky Injury Prevention and Research Center as bona fide agent for the Kentucky Department for Public Health. Data are provisional and subject to change. June 2022.

Age-Adjusted Rates of Drug Overdose Deaths among Kentucky Residents by Race, 2017–2021

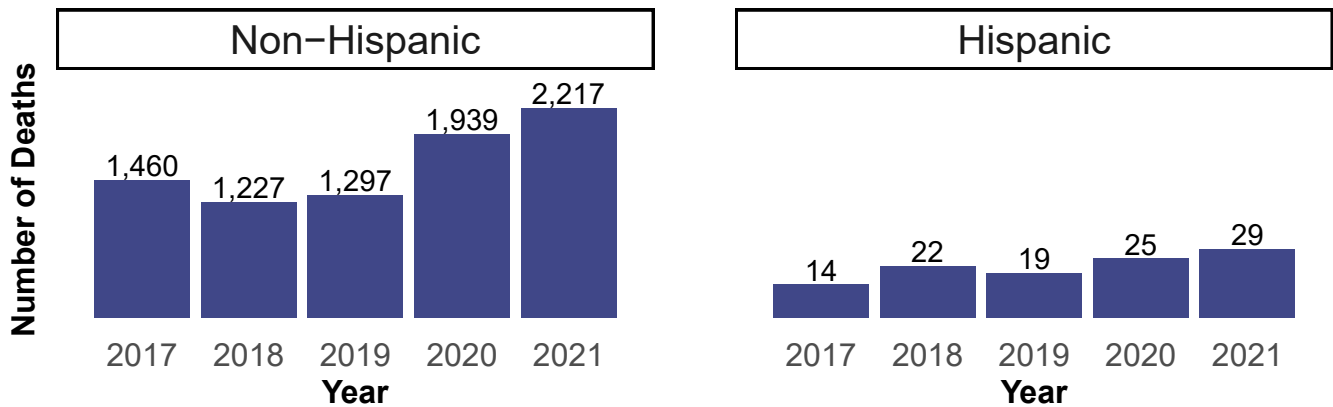


Decedents of other or unknown race were excluded from this analysis (n = 2,459). Produced by the Kentucky Injury Prevention and Research Center as bona fide agent for the Kentucky Department for Public Health. Data are provisional and subject to change. June 2022.

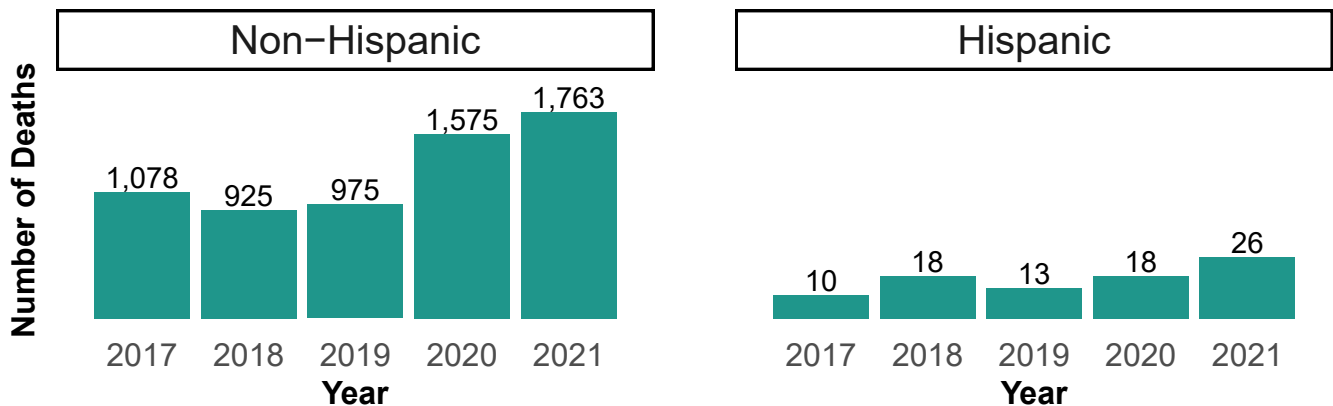
Number and Rate of Deaths, by Ethnicity

Numbers Drug Overdose Deaths among Kentucky Residents by Ethnicity, 2017–2021

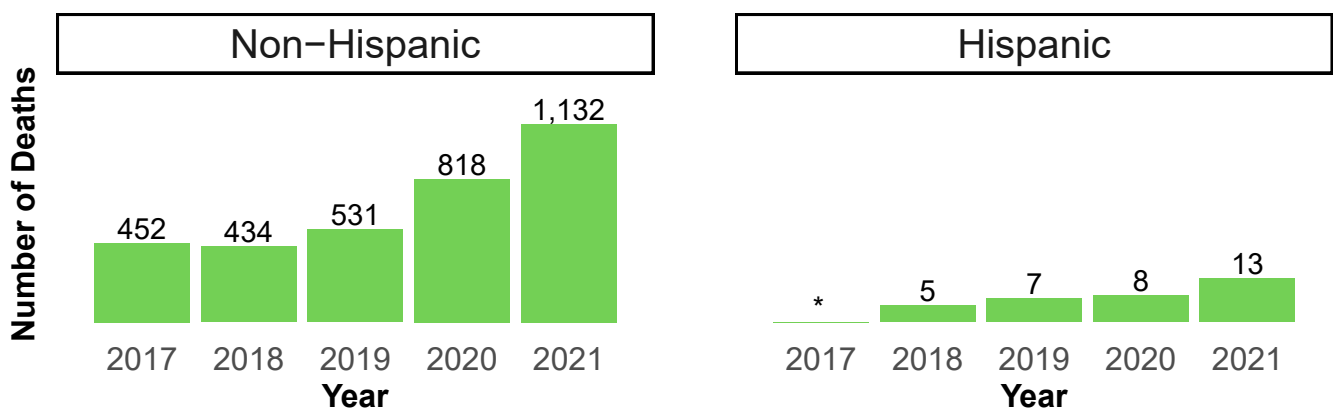
All Drugs



All Opioids



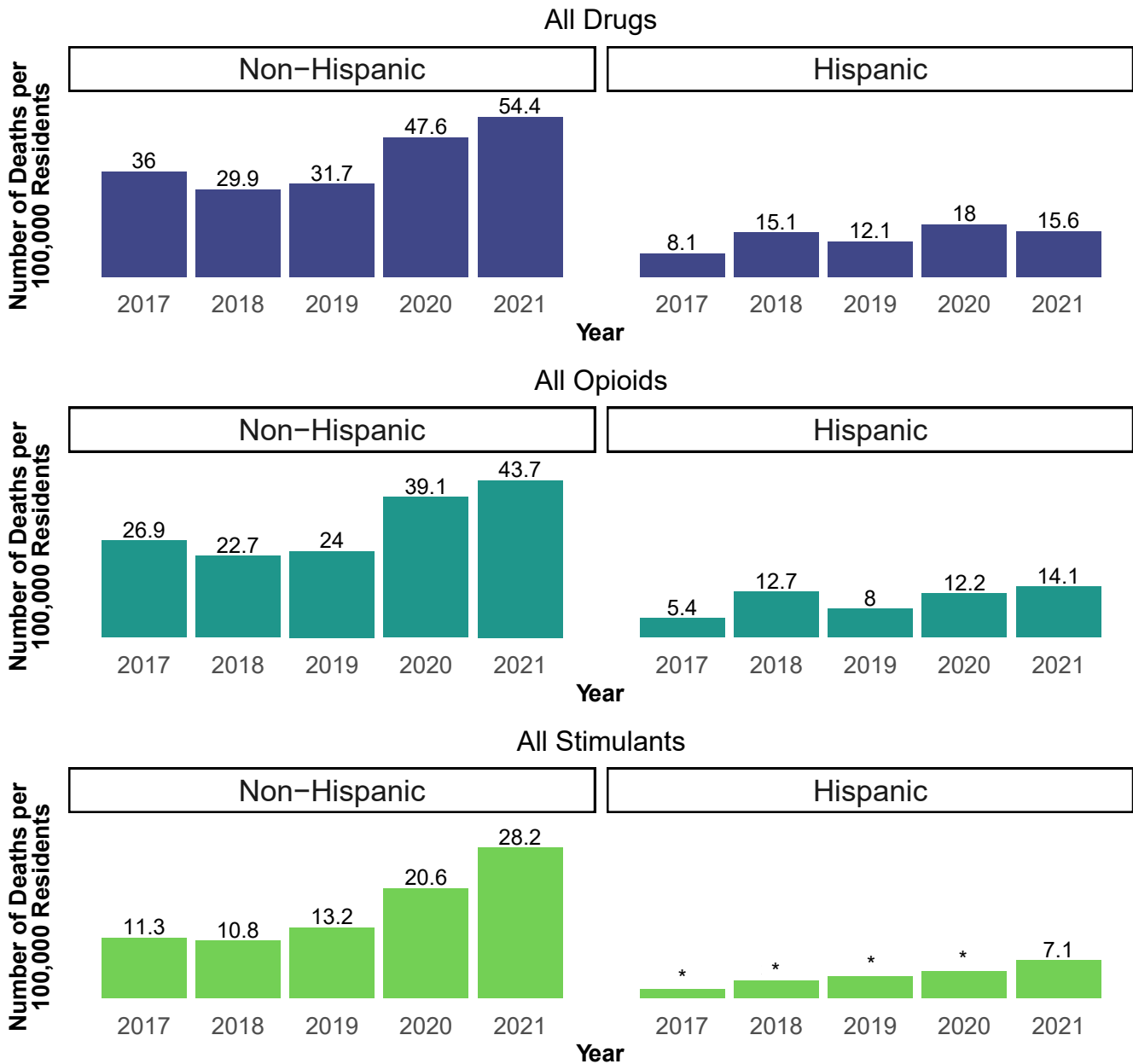
All Stimulants



*Numbers less than five have been censored in accordance with state data management policy.

Decedents with unknown ethnicity were excluded from this analysis (n = 99). Produced by the Kentucky Injury Prevention and Research Center as bona fide agent for the Kentucky Department for Public Health. Data are provisional and subject to change. June 2022.

Age-Adjusted Rates of Drug Overdose Deaths among Kentucky Residents by Ethnicity, 2017–2021



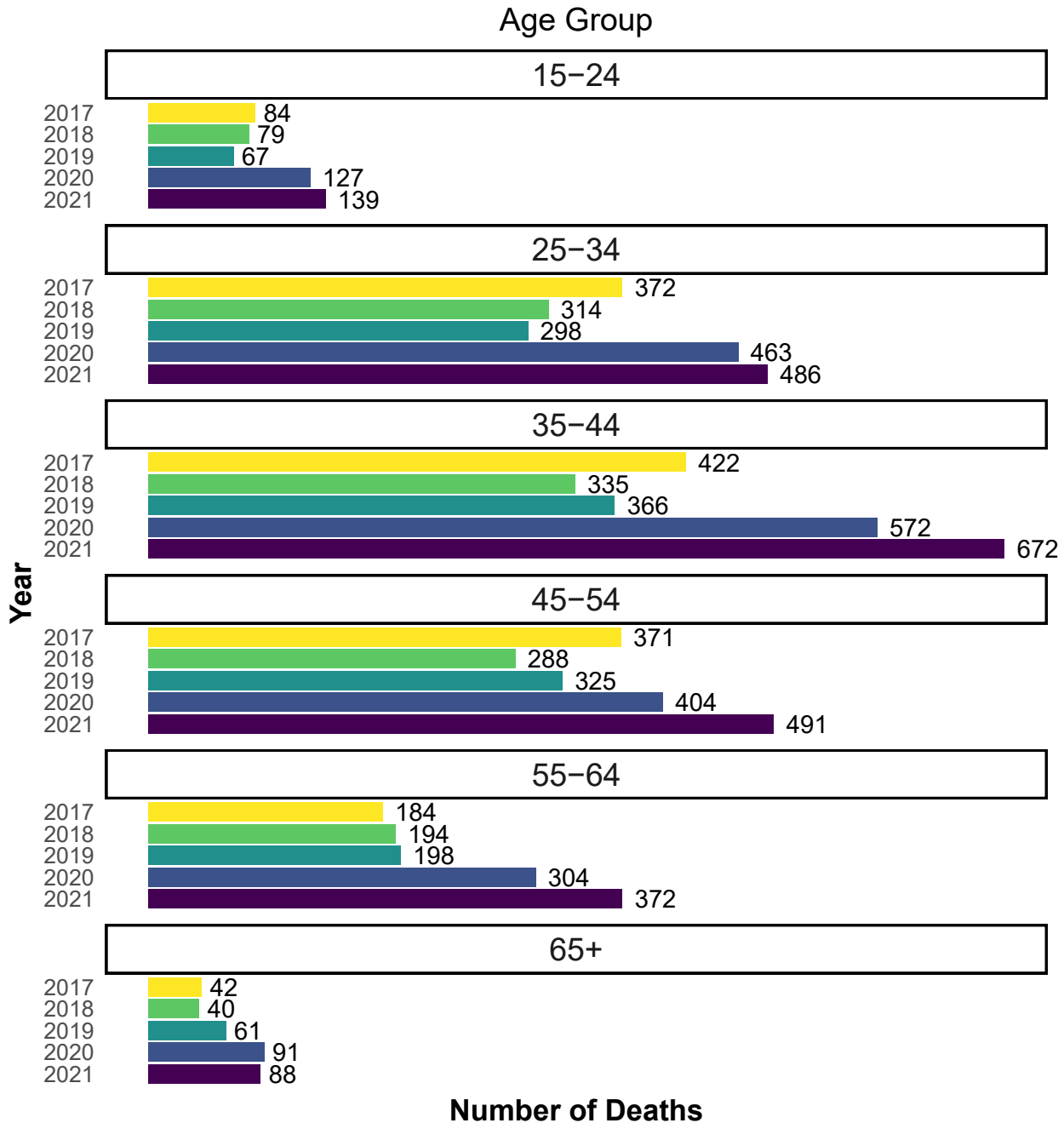
*Rates based on numbers less than 10 have been suppressed in accordance with state data management policy.

Decedents with unknown ethnicity were excluded from this analysis (n = 99). Produced by the Kentucky Injury Prevention and Research Center as bona fide agent for the Kentucky Department for Public Health. Data are provisional and subject to change. June 2022.

Rates are presented as the number of events 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 are provisional and subject to change. June 2022.

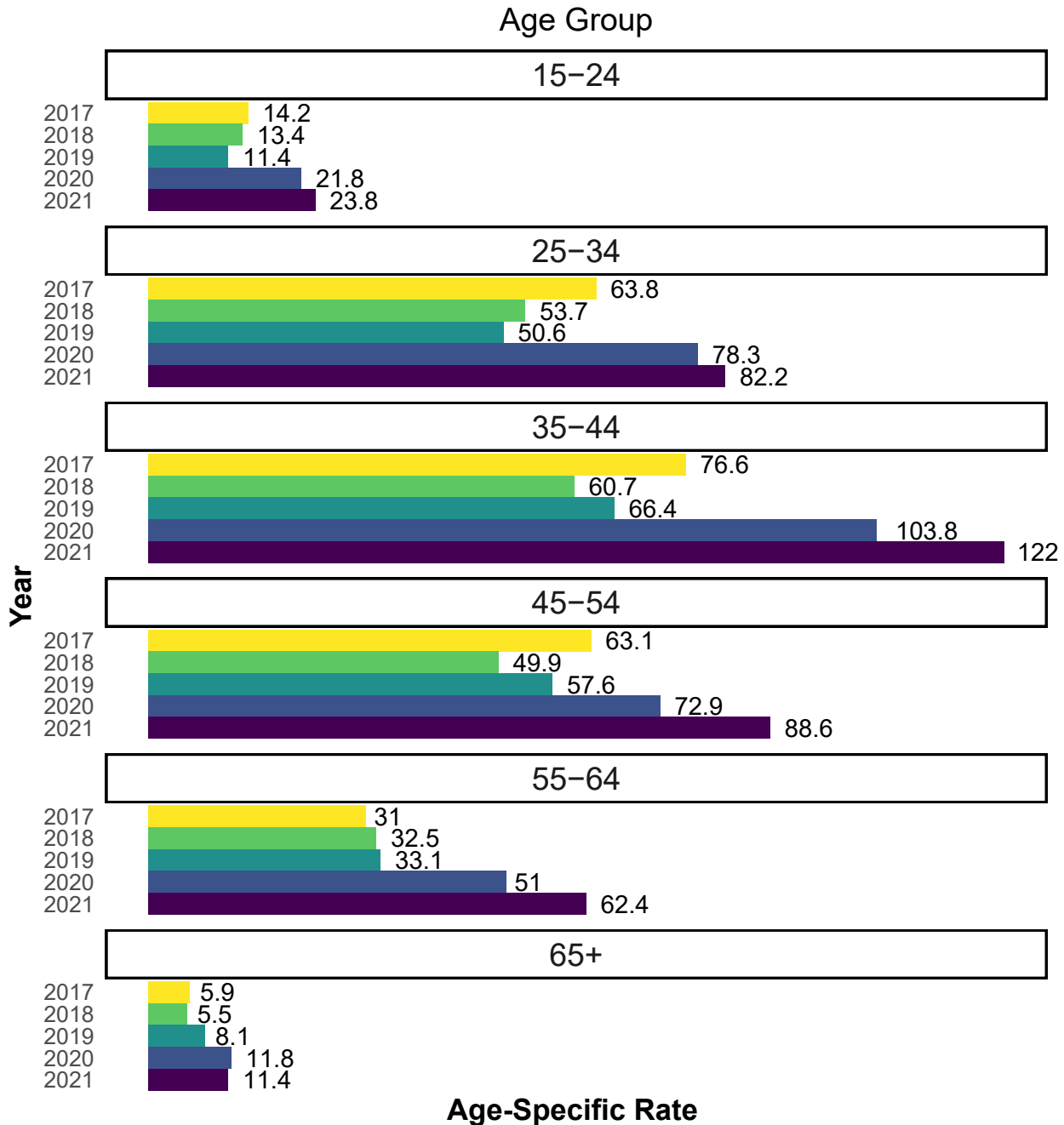
Number and Rate of Deaths, by Age Group

Numbers of Drug Overdose Deaths among Kentucky Residents by Age Group, 2017–2021



Decedents under the age of 15 were excluded from this analysis due to small sample size (n = 10). Produced by the Kentucky Injury Prevention and Research Center as bona fide agent for the Kentucky Department for Public Health. Data are provisional and subject to change. June 2022.

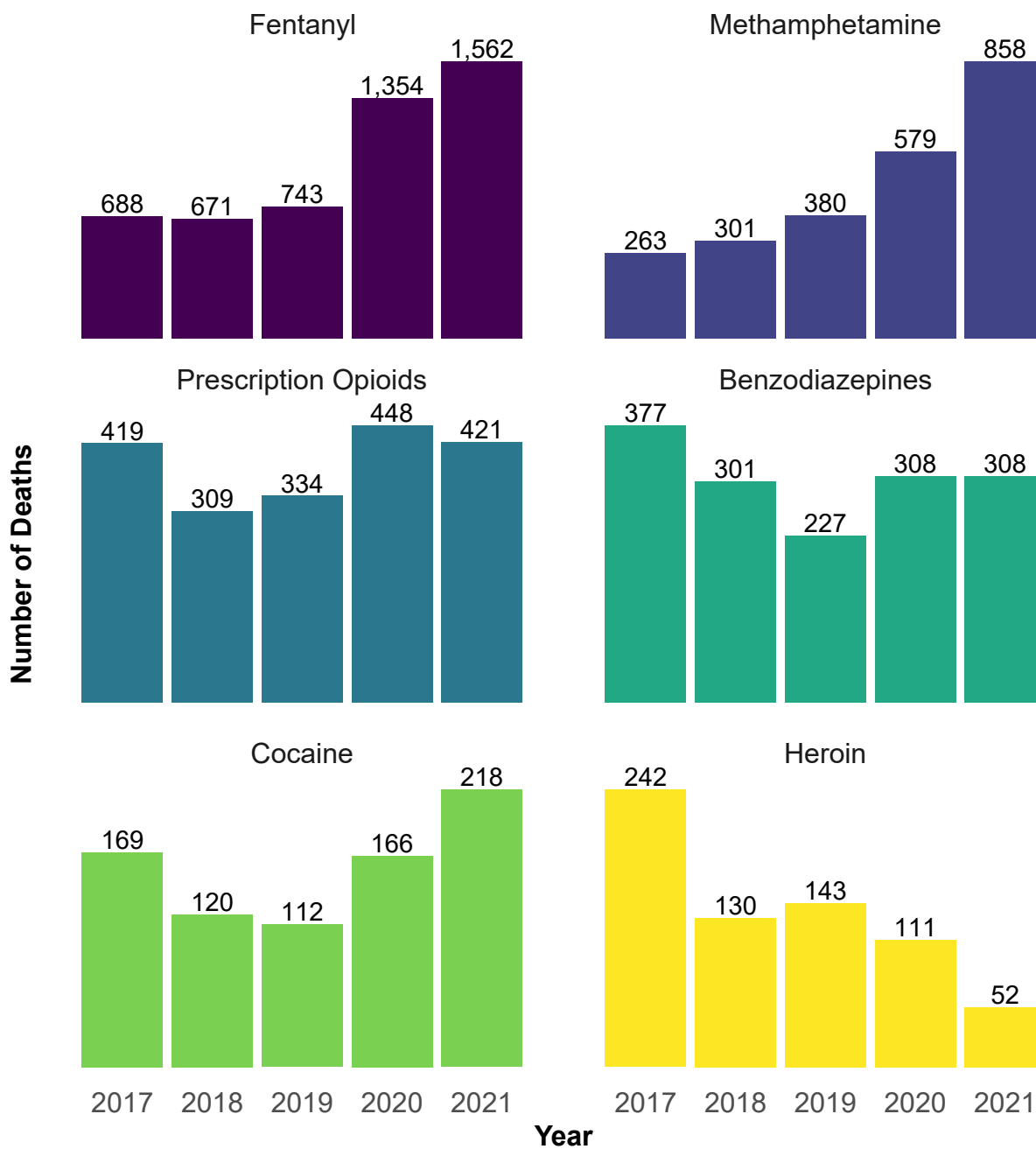
Rates of Drug Overdose Deaths among Kentucky Residents by Age Group, 2017–2021



Decedents under the age of 15 were excluded from this analysis due to small sample size (n = 10). Rates are expressed as the number of events 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 are provisional and subject to change. June 2022.

Number of Deaths, by Drug Type

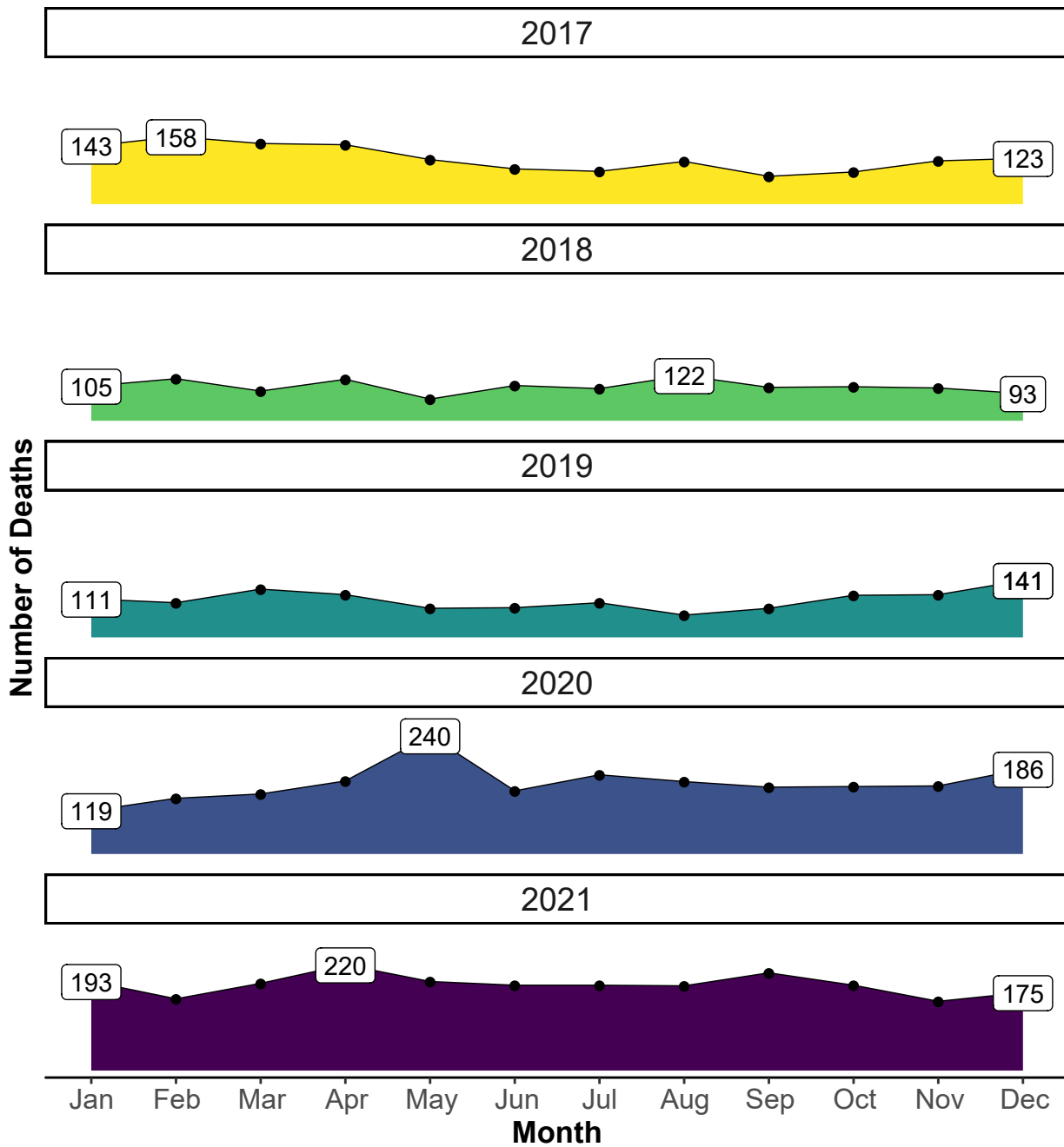
Numbers of Drug Overdose Deaths among Kentucky Residents by Drug Type, 2017–2021



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Number of Deaths, by Month

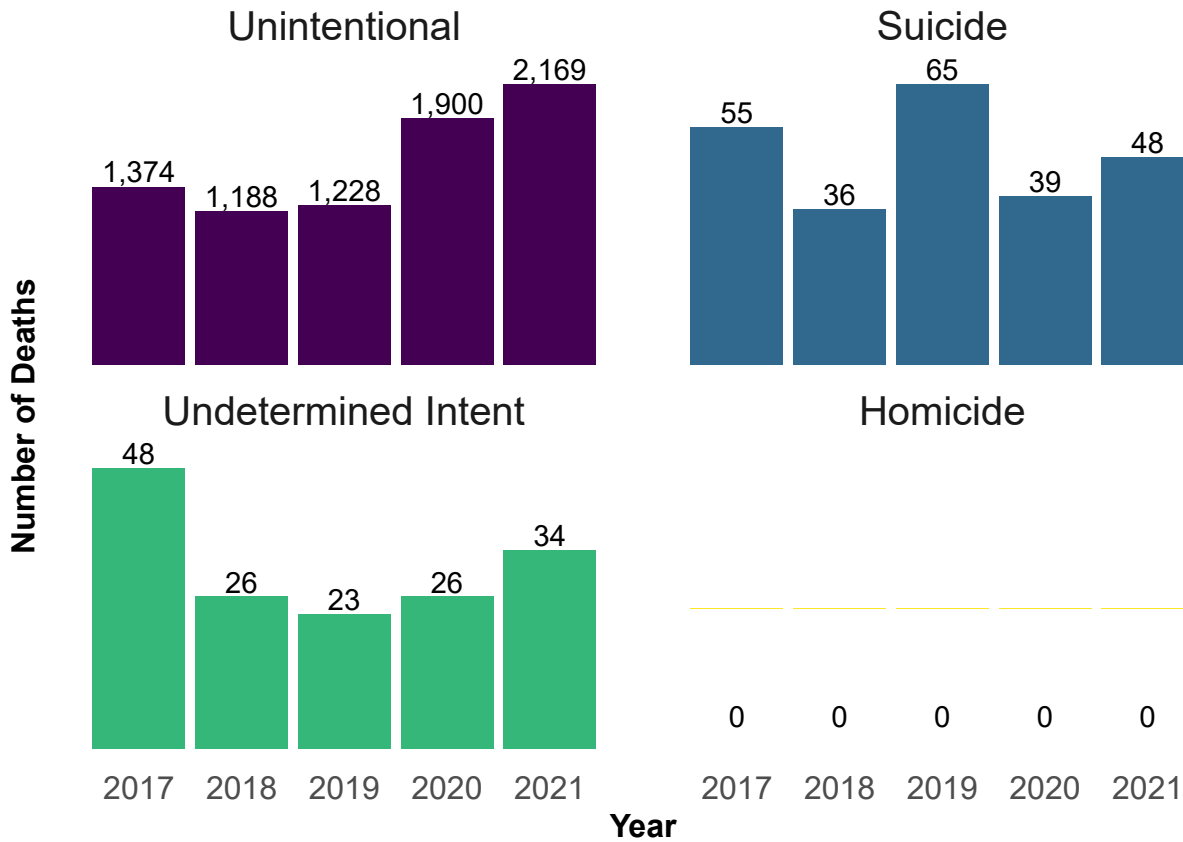
Numbers of Drug Overdose Deaths among Kentucky Residents by Month, 2017–2021



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 are provisional and subject to change. June 2022.

Number of Deaths, by Intention

Numbers of Drug Overdose Deaths among Kentucky Residents by Intention, 2017–2021



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County-Level Counts and Rates

Numbers and Rates of Drug Overdose Deaths among Kentucky Residents by County, 2017–2021¹

County	Year	Number			Age-Adjusted Rate		
		All Drugs	Any Opioid	Any Stimulant	All Drugs	Any Opioid	Any Stimulant
Adair	2017	<5	<5	<5	*	*	*
	2018	<5	<5	<5	*	*	*
	2019	<5	<5	<5	*	*	*
	2020	<5	<5	<5	*	*	*
	2021	9	8	5	*	*	*
Allen	2017	<5	<5	<5	*	*	*
	2018	<5	<5	<5	*	*	*
	2019	11	8	5	50.4	*	*
	2020	6	5	<5	*	*	*
	2021	7	<5	5	*	*	*
Anderson	2017	11	10	5	54.4	48.8	*
	2018	6	<5	<5	*	*	*
	2019	11	6	5	51.0	*	*
	2020	14	14	6	59.5	59.5	*
	2021	5	<5	<5	*	*	*
Ballard	2017	<5	<5	<5	*	*	*
	2018	0	0	0	0.0	0.0	0.0
	2019	0	0	0	0.0	0.0	0.0
	2020	<5	<5	<5	*	*	*
	2021	<5	0	<5	*	0.0	*

¹ Numbers are based on the decedent's county of residence.

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

Rates are presented as the number of deaths per 100,000 population. Data are provisional and subject to change. Produced by the Kentucky Injury Prevention and Research Center, as bona fide agent for the Kentucky Department for Public Health. June 2022.

Numbers and Rates of Drug Overdose Deaths among Kentucky Residents, by County, 2017–2021¹

County	Year	Number			Age-Adjusted Rate		
		All Drugs	Any Opioid	Any Stimulant	All Drugs	Any Opioid	Any Stimulant
Barren	2017	11	<5	5	25.4	*	*
	2018	6	<5	<5	*	*	*
	2019	5	<5	<5	*	*	*
	2020	9	<5	5	*	*	*
	2021	7	6	<5	*	*	*
Bath	2017	<5	<5	0	*	*	0.0
	2018	<5	<5	<5	*	*	*
	2019	<5	<5	<5	*	*	*
	2020	8	6	<5	*	*	*
	2021	11	10	5	86.2	77.8	*
Bell	2017	8	7	<5	*	*	*
	2018	8	6	5	*	*	*
	2019	9	5	5	*	*	*
	2020	9	8	<5	*	*	*
	2021	15	11	7	66.5	45.2	*
Boone	2017	44	37	7	33.7	28.4	*
	2018	43	39	14	32.6	29.5	11.1
	2019	34	24	17	26.6	18.9	13.0
	2020	50	48	15	38.4	36.7	12.1
	2021	44	39	16	32.8	29.2	11.7

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Numbers and Rates of Drug Overdose Deaths among Kentucky Residents, by County, 2017–2021¹

County	Year	Number			Age-Adjusted Rate		
		All Drugs	Any Opioid	Any Stimulant	All Drugs	Any Opioid	Any Stimulant
Bourbon	2017	7	5	<5	*	*	*
	2018	6	<5	<5	*	*	*
	2019	9	9	<5	*	*	*
	2020	18	17	6	97.5	90.0	*
	2021	10	7	6	54.3	*	*
Boyd	2017	31	26	7	63.6	52.5	*
	2018	27	24	6	60.3	55.0	*
	2019	30	27	13	64.5	58.8	28.7
	2020	35	32	13	67.9	63.3	26.7
	2021	47	39	30	106.1	89.6	68.2
Boyle	2017	8	6	<5	*	*	*
	2018	5	<5	0	*	*	0.0
	2019	8	5	<5	*	*	*
	2020	12	11	<5	43.5	39.9	*
	2021	16	10	8	54.0	33.8	*
Bracken	2017	<5	<5	<5	*	*	*
	2018	<5	<5	0	*	*	0.0
	2019	<5	<5	<5	*	*	*
	2020	<5	<5	<5	*	*	*
	2021	7	<5	5	*	*	*

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Numbers and Rates of Drug Overdose Deaths among Kentucky Residents,
by County, 2017–2021¹

County	Year	Number			Age-Adjusted Rate		
		All Drugs	Any Opioid	Any Stimulant	All Drugs	Any Opioid	Any Stimulant
Breathitt	2017	<5	<5	0	*	*	0.0
	2018	<5	<5	<5	*	*	*
	2019	6	<5	<5	*	*	*
	2020	6	5	<5	*	*	*
	2021	10	6	6	95.1	*	*
Breckinridge	2017	<5	<5	<5	*	*	*
	2018	<5	0	0	*	0.0	0.0
	2019	<5	<5	<5	*	*	*
	2020	7	5	5	*	*	*
	2021	7	5	5	*	*	*
Bullitt	2017	37	30	15	49.1	39.7	20.4
	2018	27	23	6	34.7	31.1	*
	2019	29	27	8	36.6	34.0	*
	2020	42	37	18	53.2	46.8	24.1
	2021	40	36	24	53.0	47.9	32.1
Butler	2017	<5	<5	0	*	*	0.0
	2018	<5	0	<5	*	0.0	*
	2019	<5	0	0	*	0.0	0.0
	2020	<5	<5	0	*	*	0.0
	2021	<5	<5	<5	*	*	*

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Numbers and Rates of Drug Overdose Deaths among Kentucky Residents, by County, 2017–2021¹

County	Year	Number			Age-Adjusted Rate		
		All Drugs	Any Opioid	Any Stimulant	All Drugs	Any Opioid	Any Stimulant
Caldwell	2017	<5	0	0	*	0.0	0.0
	2018	<5	0	0	*	0.0	0.0
	2019	<5	0	0	*	0.0	0.0
	2020	<5	<5	0	*	*	0.0
	2021	<5	0	0	*	0.0	0.0
Calloway	2017	<5	<5	<5	*	*	*
	2018	<5	0	0	*	0.0	0.0
	2019	7	5	0	*	*	0.0
	2020	9	5	<5	*	*	*
	2021	9	6	<5	*	*	*
Campbell	2017	61	55	19	65.0	59.3	19.2
	2018	47	45	12	49.1	47.5	13.1
	2019	36	35	10	38.0	37.4	11.2
	2020	54	47	18	54.9	48.5	18.0
	2021	31	30	13	32.3	31.6	15.1
Carlisle	2017	0	0	0	0.0	0.0	0.0
	2018	0	0	0	0.0	0.0	0.0
	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

¹ Numbers are based on the decedent's county of residence.

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Numbers and Rates of Drug Overdose Deaths among Kentucky Residents, by County, 2017–2021¹

County	Year	Number			Age-Adjusted Rate		
		All Drugs	Any Opioid	Any Stimulant	All Drugs	Any Opioid	Any Stimulant
Carroll	2017	<5	<5	<5	*	*	*
	2018	<5	<5	<5	*	*	*
	2019	5	<5	<5	*	*	*
	2020	6	<5	<5	*	*	*
	2021	10	8	5	112.2	*	*
Carter	2017	15	10	7	62.7	48.4	*
	2018	10	10	7	40.3	40.3	*
	2019	7	<5	<5	*	*	*
	2020	21	15	9	83.9	62.2	*
	2021	23	21	11	94.7	87.0	44.2
Casey	2017	6	<5	5	*	*	*
	2018	5	<5	<5	*	*	*
	2019	6	<5	<5	*	*	*
	2020	<5	<5	<5	*	*	*
	2021	<5	<5	<5	*	*	*
Christian	2017	7	<5	<5	*	*	*
	2018	<5	<5	<5	*	*	*
	2019	7	6	<5	*	*	*
	2020	18	7	8	34.5	*	*
	2021	18	14	7	32.1	25.1	*

¹ Numbers are based on the decedent's county of residence.

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by County, 2017–2021¹

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		All Drugs	Any Opioid	Any Stimulant	All Drugs	Any Opioid	Any Stimulant
Clark	2017	17	10	6	49.7	30.2	*
	2018	20	15	6	53.8	40.9	*
	2019	15	10	7	44.7	28.2	*
	2020	35	24	10	104.0	73.5	31.6
	2021	19	12	8	54.1	36.4	*
Clay	2017	<5	0	<5	*	0.0	*
	2018	5	<5	<5	*	*	*
	2019	8	<5	<5	*	*	*
	2020	<5	<5	<5	*	*	*
	2021	16	5	10	76.4	*	49.0
Clinton	2017	<5	<5	0	*	*	0.0
	2018	<5	<5	<5	*	*	*
	2019	<5	<5	0	*	*	0.0
	2020	7	5	<5	*	*	*
	2021	<5	<5	<5	*	*	*
Crittenden	2017	<5	<5	0	*	*	0.0
	2018	0	0	0	0.0	0.0	0.0
	2019	0	0	0	0.0	0.0	0.0
	2020	<5	<5	<5	*	*	*
	2021	<5	0	<5	*	0.0	*

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Numbers and Rates of Drug Overdose Deaths among Kentucky Residents,
by County, 2017–2021¹

County	Year	Number			Age-Adjusted Rate		
		All Drugs	Any Opioid	Any Stimulant	All Drugs	Any Opioid	Any Stimulant
Cumberland	2017	<5	0	0	*	0.0	0.0
	2018	0	0	0	0.0	0.0	0.0
	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
Daviess	2017	11	5	<5	11.6	*	*
	2018	13	9	5	12.3	*	*
	2019	10	<5	5	11.0	*	*
	2020	21	13	12	23.1	13.4	12.8
	2021	20	8	9	21.4	*	*
Edmonson	2017	<5	<5	0	*	*	0.0
	2018	<5	<5	<5	*	*	*
	2019	<5	0	<5	*	0.0	*
	2020	0	0	0	0.0	0.0	0.0
	2021	<5	<5	<5	*	*	*
Elliott	2017	<5	0	0	*	0.0	0.0
	2018	<5	<5	0	*	*	0.0
	2019	<5	<5	<5	*	*	*
	2020	<5	<5	<5	*	*	*
	2021	<5	<5	<5	*	*	*

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Numbers and Rates of Drug Overdose Deaths among Kentucky Residents, by County, 2017–2021¹

County	Year	Number			Age-Adjusted Rate		
		All Drugs	Any Opioid	Any Stimulant	All Drugs	Any Opioid	Any Stimulant
Estill	2017	11	7	<5	75.3	*	*
	2018	5	<5	0	*	*	0.0
	2019	11	5	<5	81.0	*	*
	2020	11	8	<5	80.4	*	*
	2021	22	5	<5	150.3	*	*
Fayette	2017	125	109	47	40.1	34.8	15.7
	2018	122	105	44	38.5	33.3	13.9
	2019	99	86	38	31.1	27.2	12.4
	2020	150	138	58	47.0	43.3	18.5
	2021	161	143	78	51.0	45.3	23.9
Fleming	2017	<5	<5	<5	*	*	*
	2018	<5	<5	0	*	*	0.0
	2019	<5	<5	<5	*	*	*
	2020	<5	<5	<5	*	*	*
	2021	<5	<5	<5	*	*	*
Floyd	2017	12	9	<5	37.4	*	*
	2018	11	10	<5	34.6	31.8	*
	2019	13	9	<5	37.2	*	*
	2020	16	13	5	52.0	42.3	*
	2021	33	16	13	98.6	45.8	41.4

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Numbers and Rates of Drug Overdose Deaths among Kentucky Residents, by County, 2017–2021¹

County	Year	Number			Age-Adjusted Rate		
		All Drugs	Any Opioid	Any Stimulant	All Drugs	Any Opioid	Any Stimulant
Franklin	2017	25	21	10	52.7	44.0	22.1
	2018	16	13	10	32.6	27.4	22.7
	2019	18	14	7	35.7	28.0	*
	2020	20	18	11	43.8	40.6	24.5
	2021	34	28	19	69.5	57.5	40.2
Fulton	2017	<5	<5	<5	*	*	*
	2018	0	0	0	0.0	0.0	0.0
	2019	<5	0	<5	*	0.0	*
	2020	0	0	0	0.0	0.0	0.0
	2021	<5	0	<5	*	0.0	*
Gallatin	2017	8	6	<5	*	*	*
	2018	7	5	<5	*	*	*
	2019	<5	<5	<5	*	*	*
	2020	<5	<5	0	*	*	0.0
	2021	12	10	<5	149.2	130.7	*
Garrard	2017	5	5	<5	*	*	*
	2018	<5	<5	<5	*	*	*
	2019	<5	<5	<5	*	*	*
	2020	15	10	7	85.3	62.5	*
	2021	13	11	7	84.2	75.6	*

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Numbers and Rates of Drug Overdose Deaths among Kentucky Residents, by County, 2017–2021¹

County	Year	Number			Age-Adjusted Rate		
		All Drugs	Any Opioid	Any Stimulant	All Drugs	Any Opioid	Any Stimulant
Grant	2017	8	8	<5	*	*	*
	2018	9	8	5	*	*	*
	2019	17	15	11	77.4	67.9	50.5
	2020	17	12	8	77.4	54.2	*
	2021	16	15	6	69.0	63.7	*
Graves	2017	<5	<5	<5	*	*	*
	2018	<5	<5	0	*	*	0.0
	2019	<5	<5	<5	*	*	*
	2020	5	<5	0	*	*	0.0
	2021	<5	0	<5	*	0.0	*
Grayson	2017	11	7	<5	48.6	*	*
	2018	5	<5	<5	*	*	*
	2019	<5	<5	0	*	*	0.0
	2020	8	<5	<5	*	*	*
	2021	10	6	6	43.9	*	*
Green	2017	<5	0	<5	*	0.0	*
	2018	<5	<5	0	*	*	0.0
	2019	<5	<5	<5	*	*	*
	2020	0	0	0	0.0	0.0	0.0
	2021	<5	<5	<5	*	*	*

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Numbers and Rates of Drug Overdose Deaths among Kentucky Residents, by County, 2017–2021¹

County	Year	Number			Age-Adjusted Rate		
		All Drugs	Any Opioid	Any Stimulant	All Drugs	Any Opioid	Any Stimulant
Greenup	2017	14	10	<5	40.1	30.0	*
	2018	15	12	7	44.9	35.9	*
	2019	21	18	8	61.9	52.2	*
	2020	22	20	8	65.6	60.7	*
	2021	23	19	10	73.6	60.9	36.7
Hancock	2017	<5	<5	<5	*	*	*
	2018	0	0	0	0.0	0.0	0.0
	2019	<5	0	<5	*	0.0	*
	2020	<5	<5	<5	*	*	*
	2021	<5	0	<5	*	0.0	*
Hardin	2017	19	14	5	18.5	13.5	*
	2018	17	9	7	14.4	*	*
	2019	22	16	12	20.9	15.6	11.6
	2020	31	23	11	30.0	21.8	11.2
	2021	46	33	25	41.7	30.8	22.7
Harlan	2017	10	5	<5	39.1	*	*
	2018	6	<5	<5	*	*	*
	2019	10	6	6	38.5	*	*
	2020	14	10	9	61.9	45.6	*
	2021	17	14	10	67.8	52.8	42.0

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Numbers and Rates of Drug Overdose Deaths among Kentucky Residents, by County, 2017–2021¹

County	Year	Number			Age-Adjusted Rate		
		All Drugs	Any Opioid	Any Stimulant	All Drugs	Any Opioid	Any Stimulant
Harrison	2017	10	8	<5	65.8	*	*
	2018	5	<5	<5	*	*	*
	2019	7	5	<5	*	*	*
	2020	8	8	0	*	*	0.0
	2021	14	14	<5	83.8	83.8	*
Hart	2017	<5	<5	0	*	*	0.0
	2018	6	<5	<5	*	*	*
	2019	<5	<5	0	*	*	0.0
	2020	<5	<5	<5	*	*	*
	2021	7	<5	<5	*	*	*
Henderson	2017	8	7	<5	*	*	*
	2018	5	<5	<5	*	*	*
	2019	0	0	0	0.0	0.0	0.0
	2020	8	5	<5	*	*	*
	2021	8	<5	<5	*	*	*
Henry	2017	<5	<5	<5	*	*	*
	2018	6	5	<5	*	*	*
	2019	5	<5	<5	*	*	*
	2020	12	12	6	87.4	87.4	*
	2021	6	5	<5	*	*	*

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Numbers and Rates of Drug Overdose Deaths among Kentucky Residents, by County, 2017–2021¹

County	Year	Number			Age-Adjusted Rate		
		All Drugs	Any Opioid	Any Stimulant	All Drugs	Any Opioid	Any Stimulant
Hickman	2017	0	0	0	0.0	0.0	0.0
	2018	0	0	0	0.0	0.0	0.0
	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
Hopkins	2017	13	7	<5	33.5	*	*
	2018	<5	0	<5	*	0.0	*
	2019	5	<5	<5	*	*	*
	2020	6	<5	<5	*	*	*
	2021	5	<5	<5	*	*	*
Jackson	2017	<5	<5	<5	*	*	*
	2018	<5	0	0	*	0.0	0.0
	2019	<5	<5	<5	*	*	*
	2020	<5	<5	<5	*	*	*
	2021	0	0	0	0.0	0.0	0.0
Jefferson	2017	353	251	100	47.2	34.3	13.3
	2018	282	226	115	37.4	30.1	15.3
	2019	319	271	129	43.0	37.0	17.5
	2020	513	453	229	69.2	61.7	31.1
	2021	569	507	300	76.5	68.3	40.5

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Numbers and Rates of Drug Overdose Deaths among Kentucky Residents,
by County, 2017–2021¹

County	Year	Number			Age-Adjusted Rate		
		All Drugs	Any Opioid	Any Stimulant	All Drugs	Any Opioid	Any Stimulant
Jessamine	2017	30	29	6	60.6	59.3	*
	2018	18	16	5	36.5	32.6	*
	2019	22	18	8	44.3	36.5	*
	2020	34	32	14	64.4	60.0	28.4
	2021	23	21	12	45.6	41.2	24.8
Johnson	2017	<5	<5	0	*	*	0.0
	2018	5	<5	<5	*	*	*
	2019	<5	<5	<5	*	*	*
	2020	6	<5	<5	*	*	*
	2021	9	<5	6	*	*	*
Kenton	2017	115	96	35	69.2	58.2	20.2
	2018	91	76	16	56.3	46.8	9.9
	2019	78	64	26	47.4	40.4	16.2
	2020	85	76	25	52.4	47.0	16.3
	2021	91	82	35	51.6	46.6	20.4
Knott	2017	<5	<5	<5	*	*	*
	2018	<5	0	<5	*	0.0	*
	2019	7	6	<5	*	*	*
	2020	19	12	12	125.5	89.4	74.1
	2021	16	15	11	127.1	119.9	90.0

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Numbers and Rates of Drug Overdose Deaths among Kentucky Residents, by County, 2017–2021¹

County	Year	Number			Age-Adjusted Rate		
		All Drugs	Any Opioid	Any Stimulant	All Drugs	Any Opioid	Any Stimulant
Knox	2017	13	10	6	45.7	34.7	*
	2018	<5	<5	0	*	*	0.0
	2019	9	<5	6	*	*	*
	2020	11	7	10	37.6	*	35.2
	2021	17	12	14	62.0	47.7	54.4
Larue	2017	<5	<5	<5	*	*	*
	2018	0	0	0	0.0	0.0	0.0
	2019	<5	<5	<5	*	*	*
	2020	<5	0	<5	*	0.0	*
	2021	<5	<5	<5	*	*	*
Laurel	2017	12	7	5	20.2	*	*
	2018	14	8	5	23.9	*	*
	2019	5	<5	<5	*	*	*
	2020	22	14	12	37.8	25.5	21.6
	2021	16	8	14	26.1	*	22.3
Lawrence	2017	<5	<5	<5	*	*	*
	2018	<5	<5	<5	*	*	*
	2019	<5	<5	0	*	*	0.0
	2020	<5	<5	0	*	*	0.0
	2021	15	14	10	102.7	98.7	75.1

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County	Year	Number			Age-Adjusted Rate		
		All Drugs	Any Opioid	Any Stimulant	All Drugs	Any Opioid	Any Stimulant
Lee	2017	<5	<5	<5	*	*	*
	2018	<5	<5	<5	*	*	*
	2019	8	<5	<5	*	*	*
	2020	5	<5	<5	*	*	*
	2021	6	<5	<5	*	*	*
Leslie	2017	<5	<5	0	*	*	0.0
	2018	<5	<5	<5	*	*	*
	2019	<5	<5	<5	*	*	*
	2020	<5	<5	<5	*	*	*
	2021	6	5	<5	*	*	*
Letcher	2017	7	<5	0	*	*	0.0
	2018	7	<5	<5	*	*	*
	2019	7	<5	<5	*	*	*
	2020	5	5	<5	*	*	*
	2021	16	13	6	76.3	65.9	*
Lewis	2017	<5	<5	<5	*	*	*
	2018	<5	<5	<5	*	*	*
	2019	<5	<5	<5	*	*	*
	2020	<5	<5	<5	*	*	*
	2021	8	<5	7	*	*	*

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by County, 2017–2021¹

County	Year	Number			Age-Adjusted Rate		
		All Drugs	Any Opioid	Any Stimulant	All Drugs	Any Opioid	Any Stimulant
Lincoln	2017	7	6	<5	*	*	*
	2018	9	7	5	*	*	*
	2019	5	<5	<5	*	*	*
	2020	15	8	13	67.4	*	57.7
	2021	13	7	10	54.7	*	41.5
Livingston	2017	<5	0	0	*	0.0	0.0
	2018	0	0	0	0.0	0.0	0.0
	2019	<5	<5	<5	*	*	*
	2020	<5	0	0	*	0.0	0.0
	2021	<5	0	0	*	0.0	0.0
Logan	2017	0	0	0	0.0	0.0	0.0
	2018	<5	<5	<5	*	*	*
	2019	<5	0	<5	*	0.0	*
	2020	<5	<5	<5	*	*	*
	2021	9	<5	<5	*	*	*
Lyon	2017	<5	<5	0	*	*	0.0
	2018	<5	<5	0	*	*	0.0
	2019	<5	<5	0	*	*	0.0
	2020	<5	<5	<5	*	*	*
	2021	<5	<5	0	*	*	0.0

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Numbers and Rates of Drug Overdose Deaths among Kentucky Residents, by County, 2017–2021¹

County	Year	Number			Age-Adjusted Rate		
		All Drugs	Any Opioid	Any Stimulant	All Drugs	Any Opioid	Any Stimulant
Madison	2017	44	38	18	53.7	45.6	22.4
	2018	46	39	23	57.7	48.5	29.4
	2019	53	41	26	62.3	47.9	30.6
	2020	68	55	34	80.2	65.6	41.2
	2021	85	77	51	99.8	90.6	61.8
Magoffin	2017	<5	<5	0	*	*	0.0
	2018	<5	<5	<5	*	*	*
	2019	<5	<5	<5	*	*	*
	2020	8	7	5	*	*	*
	2021	8	<5	5	*	*	*
Marion	2017	5	<5	<5	*	*	*
	2018	0	0	0	0.0	0.0	0.0
	2019	<5	<5	<5	*	*	*
	2020	11	9	7	57.0	*	*
	2021	12	10	8	72.8	60.4	*
Marshall	2017	<5	<5	0	*	*	0.0
	2018	<5	<5	0	*	*	0.0
	2019	<5	<5	<5	*	*	*
	2020	<5	<5	0	*	*	0.0
	2021	8	<5	<5	*	*	*

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County	Year	Number			Age-Adjusted Rate		
		All Drugs	Any Opioid	Any Stimulant	All Drugs	Any Opioid	Any Stimulant
Martin	2017	<5	<5	<5	*	*	*
	2018	<5	<5	0	*	*	0.0
	2019	6	<5	<5	*	*	*
	2020	6	<5	<5	*	*	*
	2021	6	5	<5	*	*	*
Mason	2017	10	9	<5	65.8	*	*
	2018	<5	<5	<5	*	*	*
	2019	<5	<5	<5	*	*	*
	2020	<5	<5	<5	*	*	*
	2021	5	5	<5	*	*	*
McCracken	2017	8	<5	0	*	*	0.0
	2018	11	5	<5	17.1	*	*
	2019	12	<5	6	19.6	*	*
	2020	12	5	7	20.9	*	*
	2021	7	<5	<5	*	*	*
McCreary	2017	<5	<5	<5	*	*	*
	2018	<5	<5	<5	*	*	*
	2019	0	0	0	0.0	0.0	0.0
	2020	<5	<5	0	*	*	0.0
	2021	6	<5	5	*	*	*

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Numbers and Rates of Drug Overdose Deaths among Kentucky Residents, by County, 2017–2021¹

County	Year	Number			Age-Adjusted Rate		
		All Drugs	Any Opioid	Any Stimulant	All Drugs	Any Opioid	Any Stimulant
McLean	2017	0	0	0	0.0	0.0	0.0
	2018	<5	<5	0	*	*	0.0
	2019	<5	0	0	*	0.0	0.0
	2020	0	0	0	0.0	0.0	0.0
	2021	<5	0	<5	*	0.0	*
Meade	2017	9	6	6	*	*	*
	2018	<5	0	<5	*	0.0	*
	2019	<5	<5	<5	*	*	*
	2020	10	8	<5	33.6	*	*
	2021	15	7	10	53.8	*	35.4
Menifee	2017	<5	<5	<5	*	*	*
	2018	<5	<5	<5	*	*	*
	2019	0	0	0	0.0	0.0	0.0
	2020	<5	<5	<5	*	*	*
	2021	<5	<5	<5	*	*	*
Mercer	2017	<5	<5	<5	*	*	*
	2018	<5	<5	<5	*	*	*
	2019	5	<5	<5	*	*	*
	2020	7	<5	5	*	*	*
	2021	12	11	5	62.8	58.1	*

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Rates are presented as the number of deaths per 100,000 population. Data are provisional and subject to change. Produced by the Kentucky Injury Prevention and Research Center, as bona fide agent for the Kentucky Department for Public Health. June 2022.

Numbers and Rates of Drug Overdose Deaths among Kentucky Residents,
by County, 2017–2021¹

County	Year	Number			Age-Adjusted Rate		
		All Drugs	Any Opioid	Any Stimulant	All Drugs	Any Opioid	Any Stimulant
Metcalfe	2017	<5	<5	0	*	*	0.0
	2018	<5	0	<5	*	0.0	*
	2019	0	0	0	0.0	0.0	0.0
	2020	<5	<5	<5	*	*	*
	2021	0	0	0	0.0	0.0	0.0
Monroe	2017	<5	0	<5	*	0.0	*
	2018	<5	<5	<5	*	*	*
	2019	<5	<5	<5	*	*	*
	2020	<5	<5	0	*	*	0.0
	2021	<5	<5	<5	*	*	*
Montgomery	2017	15	12	<5	60.1	48.9	*
	2018	13	10	<5	44.0	33.7	*
	2019	9	7	<5	*	*	*
	2020	14	14	6	52.4	52.4	*
	2021	30	28	17	116.3	109.4	64.8
Morgan	2017	<5	<5	<5	*	*	*
	2018	<5	<5	<5	*	*	*
	2019	<5	<5	<5	*	*	*
	2020	6	<5	<5	*	*	*
	2021	6	5	<5	*	*	*

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Rates are presented as the number of deaths per 100,000 population. Data are provisional and subject to change. Produced by the Kentucky Injury Prevention and Research Center, as bona fide agent for the Kentucky Department for Public Health. June 2022.

Numbers and Rates of Drug Overdose Deaths among Kentucky Residents,
by County, 2017–2021¹

County	Year	Number			Age-Adjusted Rate		
		All Drugs	Any Opioid	Any Stimulant	All Drugs	Any Opioid	Any Stimulant
Muhlenberg	2017	6	<5	<5	*	*	*
	2018	<5	<5	0	*	*	0.0
	2019	<5	<5	<5	*	*	*
	2020	8	<5	<5	*	*	*
	2021	7	<5	<5	*	*	*
Nelson	2017	19	14	12	48.1	36.2	30.6
	2018	6	5	<5	*	*	*
	2019	13	9	6	32.7	*	*
	2020	20	19	9	45.0	42.2	*
	2021	24	15	8	53.8	36.8	*
Nicholas	2017	0	0	0	0.0	0.0	0.0
	2018	<5	<5	0	*	*	0.0
	2019	<5	<5	<5	*	*	*
	2020	7	7	<5	*	*	*
	2021	<5	<5	0	*	*	0.0
Ohio	2017	<5	0	0	*	0.0	0.0
	2018	<5	<5	<5	*	*	*
	2019	<5	0	<5	*	0.0	*
	2020	<5	0	0	*	0.0	0.0
	2021	<5	<5	0	*	*	0.0

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Numbers and Rates of Drug Overdose Deaths among Kentucky Residents, by County, 2017–2021¹

County	Year	Number			Age-Adjusted Rate		
		All Drugs	Any Opioid	Any Stimulant	All Drugs	Any Opioid	Any Stimulant
Oldham	2017	7	6	<5	*	*	*
	2018	9	5	<5	*	*	*
	2019	16	13	7	25.3	20.6	*
	2020	8	8	<5	*	*	*
	2021	13	10	5	20.0	14.8	*
Owen	2017	<5	<5	<5	*	*	*
	2018	9	7	<5	*	*	*
	2019	7	<5	<5	*	*	*
	2020	6	6	<5	*	*	*
	2021	<5	<5	0	*	*	0.0
Owsley	2017	<5	0	0	*	0.0	0.0
	2018	<5	<5	0	*	*	0.0
	2019	<5	<5	<5	*	*	*
	2020	<5	0	<5	*	0.0	*
	2021	<5	<5	<5	*	*	*
Pendleton	2017	8	<5	0	*	*	0.0
	2018	9	8	<5	*	*	*
	2019	6	5	<5	*	*	*
	2020	5	<5	<5	*	*	*
	2021	14	9	<5	91.7	*	*

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Numbers and Rates of Drug Overdose Deaths among Kentucky Residents, by County, 2017–2021¹

County	Year	Number			Age-Adjusted Rate		
		All Drugs	Any Opioid	Any Stimulant	All Drugs	Any Opioid	Any Stimulant
Perry	2017	7	5	<5	*	*	*
	2018	9	<5	6	*	*	*
	2019	5	<5	<5	*	*	*
	2020	17	13	7	69.9	55.5	*
	2021	35	30	20	144.7	123.6	90.4
Pike	2017	11	9	<5	18.5	*	*
	2018	16	13	<5	26.7	20.8	*
	2019	23	12	11	42.3	22.4	22.9
	2020	25	20	11	49.0	40.4	23.6
	2021	36	26	16	68.6	51.0	31.5
Powell	2017	<5	<5	<5	*	*	*
	2018	7	7	<5	*	*	*
	2019	5	<5	<5	*	*	*
	2020	9	9	<5	*	*	*
	2021	11	9	9	100.9	*	*
Pulaski	2017	13	9	7	21.8	*	*
	2018	10	9	<5	16.7	*	*
	2019	14	11	5	22.9	18.2	*
	2020	24	17	12	40.0	29.1	20.8
	2021	34	28	19	58.5	50.2	33.8

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Numbers and Rates of Drug Overdose Deaths among Kentucky Residents, by County, 2017–2021¹

County	Year	Number			Age-Adjusted Rate		
		All Drugs	Any Opioid	Any Stimulant	All Drugs	Any Opioid	Any Stimulant
Robertson	2017	<5	<5	<5	*	*	*
	2018	0	0	0	0.0	0.0	0.0
	2019	<5	<5	0	*	*	0.0
	2020	<5	<5	0	*	*	0.0
	2021	<5	<5	0	*	*	0.0
Rockcastle	2017	6	<5	<5	*	*	*
	2018	6	<5	<5	*	*	*
	2019	<5	<5	<5	*	*	*
	2020	8	7	8	*	*	*
	2021	15	11	10	93.4	68.9	62.2
Rowan	2017	6	6	<5	*	*	*
	2018	7	<5	<5	*	*	*
	2019	<5	<5	<5	*	*	*
	2020	10	8	<5	49.0	*	*
	2021	27	25	17	130.5	121.6	82.5
Russell	2017	<5	<5	<5	*	*	*
	2018	6	5	<5	*	*	*
	2019	8	<5	<5	*	*	*
	2020	<5	<5	<5	*	*	*
	2021	<5	<5	<5	*	*	*

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Numbers and Rates of Drug Overdose Deaths among Kentucky Residents, by County, 2017–2021¹

County	Year	Number			Age-Adjusted Rate		
		All Drugs	Any Opioid	Any Stimulant	All Drugs	Any Opioid	Any Stimulant
Scott	2017	13	12	<5	24.1	22.4	*
	2018	15	12	<5	28.1	22.7	*
	2019	13	10	<5	22.3	17.9	*
	2020	29	19	8	49.3	33.1	*
	2021	21	19	10	37.5	34.2	18.1
Shelby	2017	11	5	<5	24.5	*	*
	2018	10	6	5	22.5	*	*
	2019	14	13	<5	30.3	27.8	*
	2020	14	8	5	27.5	*	*
	2021	14	12	6	30.9	26.6	*
Simpson	2017	<5	<5	0	*	*	0.0
	2018	0	0	0	0.0	0.0	0.0
	2019	<5	<5	0	*	*	0.0
	2020	<5	<5	<5	*	*	*
	2021	10	9	5	57.9	*	*
Spencer	2017	6	<5	<5	*	*	*
	2018	<5	<5	0	*	*	0.0
	2019	<5	<5	<5	*	*	*
	2020	7	<5	<5	*	*	*
	2021	<5	<5	<5	*	*	*

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Numbers and Rates of Drug Overdose Deaths among Kentucky Residents, by County, 2017–2021¹

County	Year	Number			Age-Adjusted Rate		
		All Drugs	Any Opioid	Any Stimulant	All Drugs	Any Opioid	Any Stimulant
Taylor	2017	8	5	5	*	*	*
	2018	8	6	<5	*	*	*
	2019	6	<5	<5	*	*	*
	2020	14	11	<5	58.5	50.5	*
	2021	8	6	6	*	*	*
Todd	2017	0	0	0	0.0	0.0	0.0
	2018	<5	<5	0	*	*	0.0
	2019	<5	0	0	*	0.0	0.0
	2020	5	<5	<5	*	*	*
	2021	<5	<5	0	*	*	0.0
Trigg	2017	<5	<5	<5	*	*	*
	2018	<5	<5	0	*	*	0.0
	2019	<5	<5	0	*	*	0.0
	2020	<5	0	<5	*	0.0	*
	2021	<5	<5	<5	*	*	*
Trimble	2017	<5	0	<5	*	0.0	*
	2018	<5	<5	<5	*	*	*
	2019	<5	<5	<5	*	*	*
	2020	<5	0	<5	*	0.0	*
	2021	5	<5	<5	*	*	*

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Numbers and Rates of Drug Overdose Deaths among Kentucky Residents,
by County, 2017–2021¹

County	Year	Number			Age-Adjusted Rate		
		All Drugs	Any Opioid	Any Stimulant	All Drugs	Any Opioid	Any Stimulant
Union	2017	<5	<5	<5	*	*	*
	2018	<5	0	0	*	0.0	0.0
	2019	<5	<5	0	*	*	0.0
	2020	<5	<5	0	*	*	0.0
	2021	6	5	<5	*	*	*
Warren	2017	13	9	<5	10.3	*	*
	2018	17	8	5	14.0	*	*
	2019	21	14	6	17.9	11.8	*
	2020	25	17	11	19.3	13.9	8.6
	2021	36	27	18	29.2	21.8	15.6
Washington	2017	<5	<5	0	*	*	0.0
	2018	<5	<5	0	*	*	0.0
	2019	<5	<5	<5	*	*	*
	2020	<5	<5	<5	*	*	*
	2021	<5	<5	<5	*	*	*
Wayne	2017	5	<5	<5	*	*	*
	2018	<5	<5	0	*	*	0.0
	2019	<5	0	0	*	0.0	0.0
	2020	8	<5	<5	*	*	*
	2021	<5	0	<5	*	0.0	*

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Numbers and Rates of Drug Overdose Deaths among Kentucky Residents, by County, 2017–2021¹

County	Year	Number			Age-Adjusted Rate		
		All Drugs	Any Opioid	Any Stimulant	All Drugs	Any Opioid	Any Stimulant
Webster	2017	<5	<5	<5	*	*	*
	2018	<5	<5	<5	*	*	*
	2019	0	0	0	0.0	0.0	0.0
	2020	<5	<5	<5	*	*	*
	2021	0	0	0	0.0	0.0	0.0
Whitley	2017	12	6	<5	35.1	*	*
	2018	7	5	<5	*	*	*
	2019	8	<5	5	*	*	*
	2020	12	9	<5	42.3	*	*
	2021	16	13	6	47.3	40.5	*
Wolfe	2017	0	0	0	0.0	0.0	0.0
	2018	<5	0	0	*	0.0	0.0
	2019	<5	<5	<5	*	*	*
	2020	8	5	<5	*	*	*
	2021	6	<5	<5	*	*	*
Woodford	2017	6	5	<5	*	*	*
	2018	8	5	<5	*	*	*
	2019	9	5	<5	*	*	*
	2020	11	11	5	42.9	42.9	*
	2021	15	15	7	62.4	62.4	*

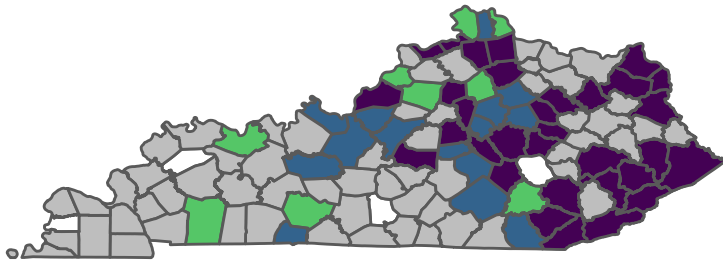
¹ Numbers are based on the decedent’s county of residence.

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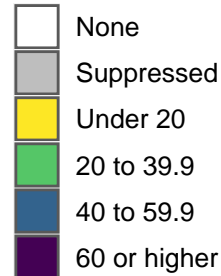
Rates are presented as the number of deaths per 100,000 population. Data are provisional and subject to change. Produced by the Kentucky Injury Prevention and Research Center, as bona fide agent for the Kentucky Department for Public Health. June 2022.

County Maps

Age-Adjusted Rates of Drug Overdose Deaths
by Kentucky County of Residence, 2021



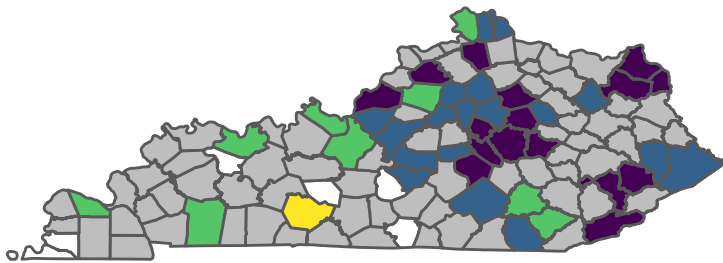
Number of deaths
per 100,000 residents



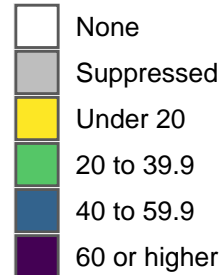
Rates based on numbers less than 10 are suppressed in accordance with state data management policy.

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Age-Adjusted Rates of Drug Overdose Deaths
by Kentucky County of Residence, 2020



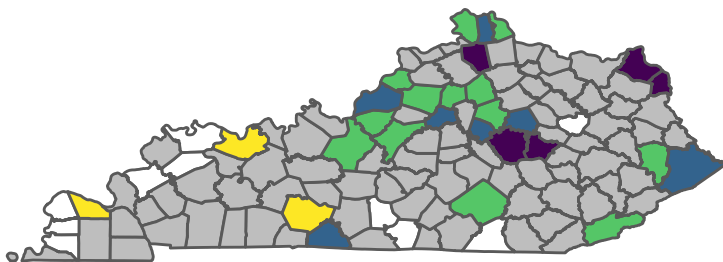
Number of deaths
per 100,000 residents



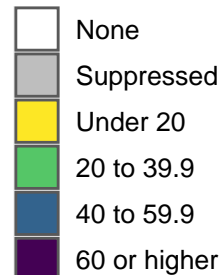
Rates based on numbers less than 10 are suppressed in accordance with state data management policy.

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Age-Adjusted Rates of Drug Overdose Deaths
by Kentucky County of Residence, 2019



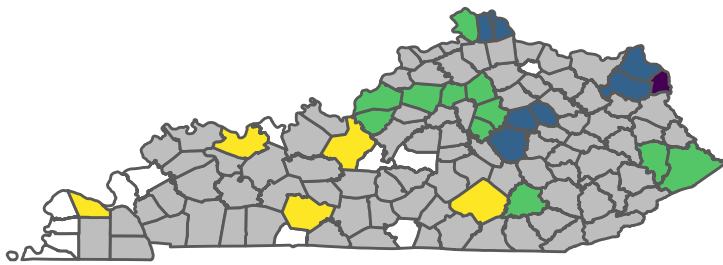
Number of deaths
per 100,000 residents



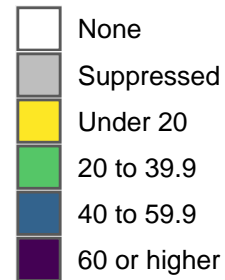
Rates based on numbers less than 10 are suppressed in accordance with state data management policy.

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Age-Adjusted Rates of Drug Overdose Deaths
by Kentucky County of Residence, 2018



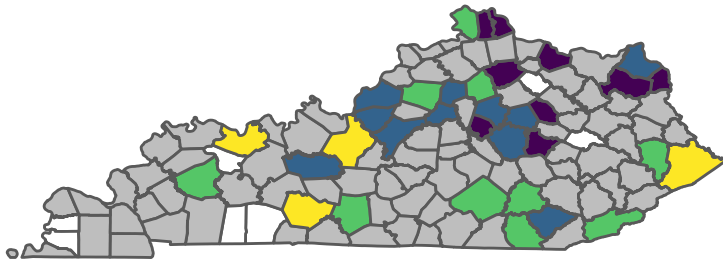
Number of deaths
per 100,000 residents



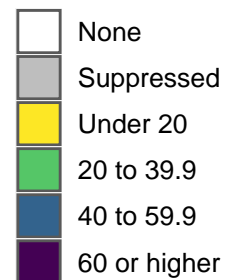
Rates based on numbers less than 10 are suppressed in accordance with state data management policy.

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Age-Adjusted Rates of Drug Overdose Deaths
by Kentucky County of Residence, 2017



Number of deaths
per 100,000 residents



Rates based on numbers less than 10 are 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 are provisional and subject to change. June 2022.

About this Report

This report presents the burden of drug overdose deaths among Kentucky residents from 2017–2021. 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. This report was supported by Cooperative Agreement Number NU17CE924971, funded by the Centers for Disease Control and Prevention (CDC). Its contents are solely the responsibility of the authors and do not necessarily represent the official views of the Centers for Disease Control and Prevention or the Department of Health and Human Services.

This report 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 in Kentucky or among Kentucky residents.

Numbers less than five and rates based on numbers 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 CDC’s Bridged Age-Race Estimates, with the exception of the populations of military and civilian residents, which come from the American Communities Survey. Population estimates for 2021 were not available at the time of this report; rates for 2021 are based on population estimates for 2020.

Definitions

Drug overdose deaths are defined as events with an underlying cause of death code of X40–X44, X60–X64, X85, or Y10–Y14. Drug overdose deaths involving specific drug types are identified by the presence of the following ICD-10 codes as a supplemental cause of death:

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

Drug type categories are not mutually exclusive. Deaths that include codes from two or more drug type categories will be counted within each group.