



K-SURE

Kentucky Substance Use Research & Enforcement

Using data to drive public safety and public health efforts against substance use across the Commonwealth

Report: A Three-Year Review of Substance Use and Distribution in Kentucky, 2017–2019

A Report Examining Possession and Trafficking Citation, Drug Overdose-Related Death, Emergency Department Visit, Hospitalization, and State Police Lab Submission Data Aggregated at the State and Kentucky State Police Post Levels





Produced by the Kentucky State Police Intelligence Branch and the Kentucky Injury Prevention and Research Center as bona fide agent for the Kentucky Department for Public Health.

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Summary

Substance use and distribution are pervasive throughout Kentucky, with effects spilling over into our communities and homes. As part of a collaboration toward the prevention of drug overdose and related events, Kentucky Substance Use Research & Enforcement (K-SURE) was created. The K-SURE collaborative examines state- and county-level data from public safety and public health surveillance systems to better define the magnitude of the drug use burden as well as to make informed decisions regarding related interventions and prevention of drug overdose and exposures. This report combines public safety indicators and public health outcomes data concerning overall general drug use and misuse and covers specific drugs: heroin, opioids, methamphetamine, cocaine, and fentanyl and fentanyl analogs in Kentucky from 2017–2019. The first section of this report provides descriptions and definitions of data used to describe drug-related outcomes in Kentucky. The second section highlights statewide substance use-related event change, drug overdose death outcomes, statewide infectious comorbid drug-related and infectious disease diagnoses emergency department visits and inpatient hospitalizations, and tested lab submissions from 2017–2019. The third section maps and analyzes drug-related public health (death, emergency department visits, and hospitalizations) and public safety (possession citations, trafficking citations, and crime lab submissions) outcomes at the Kentucky State Police (KSP) post level using ArcGIS/ArcMap software. Public safety indicator data are based on the county of *incidence*, and public health outcomes data are based on the county of *residence*. These analyses may be used to inform and prioritize related public safety and public health intervention and prevention efforts to curb the drug epidemic. The fourth section of this report examines the five major overdose-related substances: heroin, opioids, methamphetamine, cocaine, and fentanyl and fentanyl-related analogs from 2017–2019 at the Kentucky State Police post level. There are 16 Kentucky State Police posts serving all 120 counties across Kentucky. Each post has an information sheet breaking down the public safety indicators, public health outcomes, and the direction of change in these outcomes from 2017 to 2019.

I. DATA SOURCES

Data

Multi-source drug-related surveillance data were compiled for 2017–2019 and aggregated at the Kentucky State Police post level. Surveillance data sources included the Kentucky Open Portal System; Kentucky Death Certificate Database; Kentucky Outpatient Claim Files; Kentucky Inpatient Hospitalization Claims Files; and Kentucky State Police Crime Laboratory. All data remain provisional and subject to change. Data were grouped by public safety indicators or public health outcomes. Public safety indicators were from the trafficking and possession citations and the tested lab submissions. Public health outcomes were based on drug overdose deaths, drug overdose-related emergency department visits, and drug overdose related hospitalizations. Please see the K-SURE Data Matrix below for more information regarding data sources, definitions, and other relevant information regarding the drug-related events covered in this brief.

K-SURE Data Matrix

	Trafficking Citations	Possession Citations	Crime Lab Submissions	Deaths	ED Visits	Inpatient Hospitalizations
Heroin	KRS: 35100, 35101, 42105, 42106, 42376, 42377, 42378, 42379, 42466, 42468, 42470, 42480, 42483, 42486	KRS: 35120, 35121, 42195, 42196, 42205, 42206	Tested lab submissions represent those substances submitted to the lab for identification purposes; quantity is not reflected.	T40.1	T40.1	T40.1
Opioid	KRS: 35200, 35201, 42109, 42110, 42372, 42373, 42374, 42375, 42435, 42436, 42437, 42438, 42137, 42138	KRS: 35220, 35221, 42197, 42198, 42209, 42210, 42237, 42238, 42246		T40.0, T40.2, T40.3, T40.4, T40.6	T40.0, T40.2, T40.3, T40.4, T40.60, T40.69	T40.0, T40.2, T40.3, T40.4, T40.60, T40.69
Methamphetamine	KRS: 42113, 42114, 42290, 42291, 42364, 42365, 42366, 42367	KRS: 42187, 42188, 42215, 42216		Text scan		
Cocaine	KRS: 35300, 35301, 42103, 42104, 42368, 42369, 42370, 42371	KRS: 35320, 35321, 42193, 42194, 42203, 42204		T40.5	T40.5	T40.5
Fentanyl and Fentanyl Analogs	KRS: 42465, 42472, 42474, 42476, 42478, 42590, 42593, 42596, 42599			T404 and text scan; Fentanyl Analogs: Methylfentanyl, Methoxybutyrylfentanyl, Acetylfentanyl, Acrylfentanyl, Hydroxythiofentanyl,		

				Butyrylfentanyl, Carfentanil, Furanylfentanyl, Para_1, Para_2, U47700		
General Drug Overdoses				X40-X44, X60- X64, X85, Y10- Y14	T36-T50, T369, T379, T399, T414, T427, T439, T459, T479, T499	T36-T50, T369, T379, T399, T414, T427, T439, T459, T479, T499
Data Sources	Kentucky Open Portal System, Kentucky State Police	Kentucky Open Portal System, Kentucky State Police	Kentucky State Police Crime Laboratory	Kentucky Death Certificate Database, Office of Vital Statistics, Cabinet for Health and Family Services	Kentucky Outpatient Claim Files, Office of Health and Data Analytics, Cabinet for Health and Family Services	Kentucky Inpatient Hospitalization Claim Files, Kentucky Office of Health and Data Analytics, Cabinet for Health and Family Services
Notes			Lab data represent submissions tested within the corresponding time frame; submission date is not reflected. Data are provisional and subject to change.	Deaths are based on drug overdose- related deaths among Kentucky residents. Deaths may involve more than one drug. Data are provisional and subject to change.	Drug overdose- related emergency department visits represent encounters of care among Kentucky residents and could be greater than the number of individual patients treated. Data are provisional and subject to change.	Drug overdose- related hospitalizations represent encounters of care among Kentucky residents and could be greater than the number of individual patients treated in acute care facilities. Data are provisional and subject to change.

II. STATEWIDE SUBSTANCE USE

Statewide substance use-related event change, 2017–2019

	Public Safety Indicators			Public Health Outcomes		
	Trafficking Citations	Possession Citations	Tested Lab Submissions	Overdose Deaths	Emergency Department Visits	Hospitalizations
Heroin-Related	↓	↓	↓	↓	↓	↓
Opioid-Related	↓	↓	↓	↓	↓	↓
Methamphetamine-Related	↑	↑	↑	↑	-	-
Cocaine-Related	↓	↓	↓	↓	↓	↓
Fentanyl/Fentanyl Analog-Related	↑	-	↑	↑	-	-

Data are provisional and subject to change. A negative sign (-) indicates that the data source and/or relevant codes were unavailable. Opioid-related events reflect nonheroin opioids. Data sources: Kentucky Open Portal System; Kentucky Death Certificate Database, Cabinet for Health and Family Services, Office of Vital Statistics; Kentucky Outpatient Claim Files, Cabinet for Health and Family Services, Office of Health and Data Analytics; Kentucky Inpatient Hospitalization Claims Files, Cabinet for Health and Family Services, Kentucky Office of Health and Data Analytics; Kentucky State Police Crime Laboratory.

Drug overdose-related deaths among Kentucky residents, 2017–2019

	2017	2018	2019
General Overdose	1,477	1,250	1,316
Heroin-Related	242	130	143
Opioid-Related	1,002	905	967
Methamphetamine-Related	269	305	383
Cocaine-Related	169	120	112
Fentanyl/Fentanyl Analog-Related	685	660	731

Opioid-related events reflect nonheroin opioids. Data are provisional and subject to change. Deaths were based on drug overdose-related deaths among Kentucky residents. Data source: Kentucky Death Certificate Database, Cabinet for Health and Family Services, Office of Vital Statistics.

Emergency department (ED) visits and inpatient hospitalizations for comorbid drug-related and infectious disease diagnoses among Kentucky residents, 2017–2019

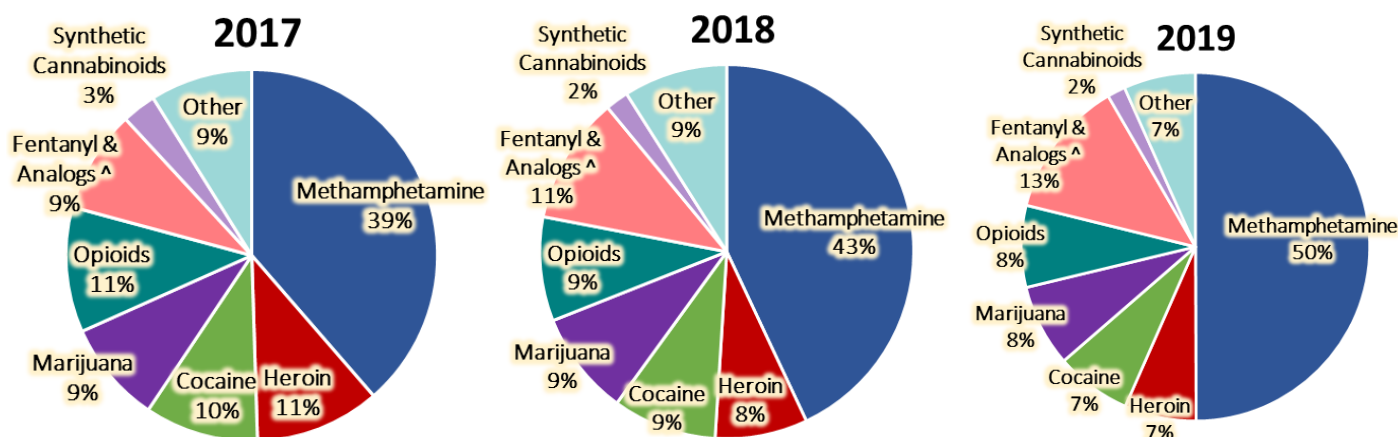
Category	Indicator	2017	2018	2019
Infectious disease (with or without comorbid drug overdose, abuse, or dependence) ED visits	Endocarditis	600	807	799
	Hepatitis A	79	1,254	724
	Hepatitis C	9,747	11,537	12,117
	Human Immunodeficiency Virus (HIV)	3,350	3,753	4,119
ED visits attributable to comorbid infectious disease and drug use	Endocarditis Comorbid to Drug Use	71	166	143
	Hepatitis A Comorbid to Drug Use	<5	294	162
	Hepatitis C Comorbid to Drug Use	2,302	3,151	3,087
	HIV Comorbid to Drug Use	261	326	375
Infectious disease (with or without comorbid drug overdose, abuse, or dependence) inpatient hospitalizations	Endocarditis	1,697	2,107	1,954
	Hepatitis A	161	1,912	965
	Hepatitis C	14,039	15,410	13,318
	HIV	1,430	1,469	1,437
Inpatient hospitalizations attributable to comorbid infectious disease and drug use	Endocarditis Comorbid to Drug Use	803	1,156	1,081
	Hepatitis A Comorbid to Drug Use	50	1,093	482
	Hepatitis C Comorbid to Drug Use	7,176	8,768	7,420
	HIV Comorbid to Drug Use	347	422	391
Inpatient hospitalizations	Neonatal Abstinence Syndrome	1,176	1,120	872

Data Source: Kentucky Injury Prevention and Research Center, as bona fide agent for the Kentucky Department for Public Health, October 2020. "Kentucky Emergency Department (ED) Nonfatal Overdoses, Drug-Attributable Inpatient Hospitalizations, and Substance Abuse-Related Infectious Diseases by County, 2016 to 2019". Retrieved from <http://www.mc.uky.edu/kiprc/pubs/overdose/Kentucky-Overdose-Morbidity-County-Profiles.html>

Tested Lab Submissions to Kentucky State Police Crime Laboratories, 2017–2019

Six crime laboratories throughout Kentucky receive drug submissions from local, state, and federal law enforcement agencies' seizures. Data below reflect the most commonly present drugs among tested drug submissions in 2017 through 2019.

KSP Tested Lab Submissions, 2017–2019

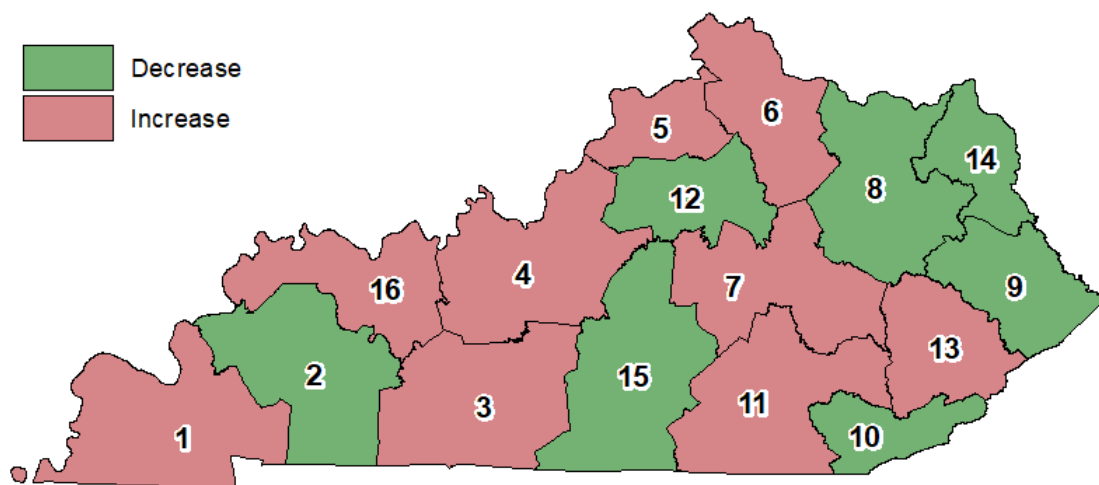


Notes: ^Includes all fentanyl and fentanyl analogs/derivatives. Tested lab submission data represent those substances submitted to the lab for identification purposes; quantity is not reflected. Lab data represent submissions tested within the corresponding timeframe; submission date is not reflected.

- Heroin has slightly decreased in tested lab submissions from 2017–2019.
- The Opioids category has slightly decreased in tested lab submissions from 2017 through 2019.
- Methamphetamine continues to rise and remains the most commonly submitted drug to KSP laboratories, accounting for 50% of total tested lab submissions in 2019. The crime laboratories identified several polysubstance mixtures including but not limited to methamphetamine/gabapentin mixtures and methamphetamine/tramadol mixtures.
- Cocaine submissions to the laboratories have stayed around 2,100–2,900 per year [data not shown]. From 2017 through 2019, cocaine has slightly decreased in total tested lab submissions.
- Fentanyl and fentanyl analogs have steadily increased from 9% in 2017 to 13% in 2019.
- KSP laboratories continue to see many polydrug mixtures including 1) heroin and fentanyl mixtures, 2) cocaine and fentanyl mixtures, and 3) methamphetamine and fentanyl mixtures.
- The Other category contains more than 200 individual substances, including gabapentin, diazepam, and alprazolam.

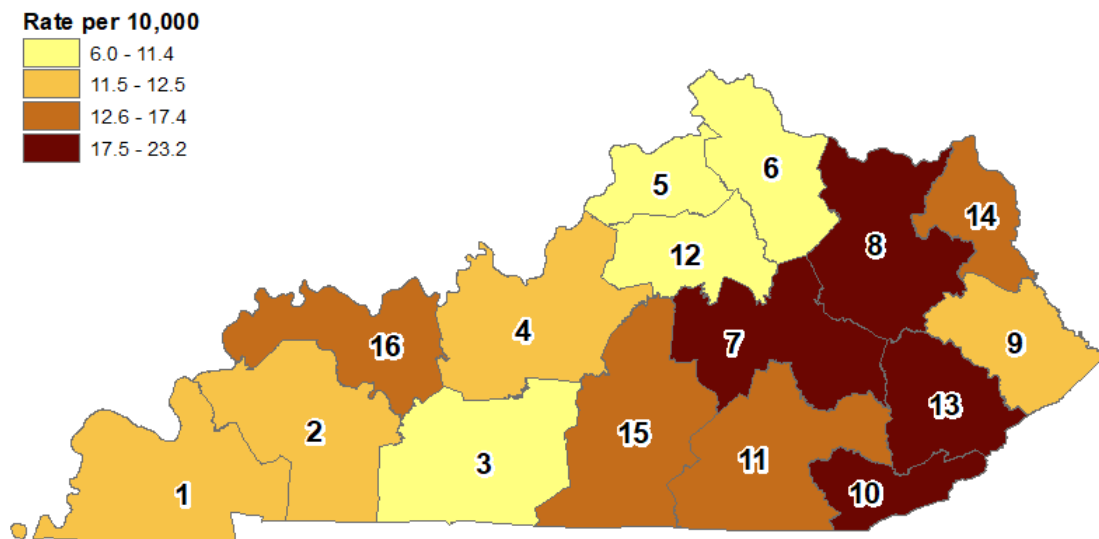
III. DRUG-RELATED MAPS

Change in Drug Trafficking Citations from 2017–2019 by Kentucky State Police Post



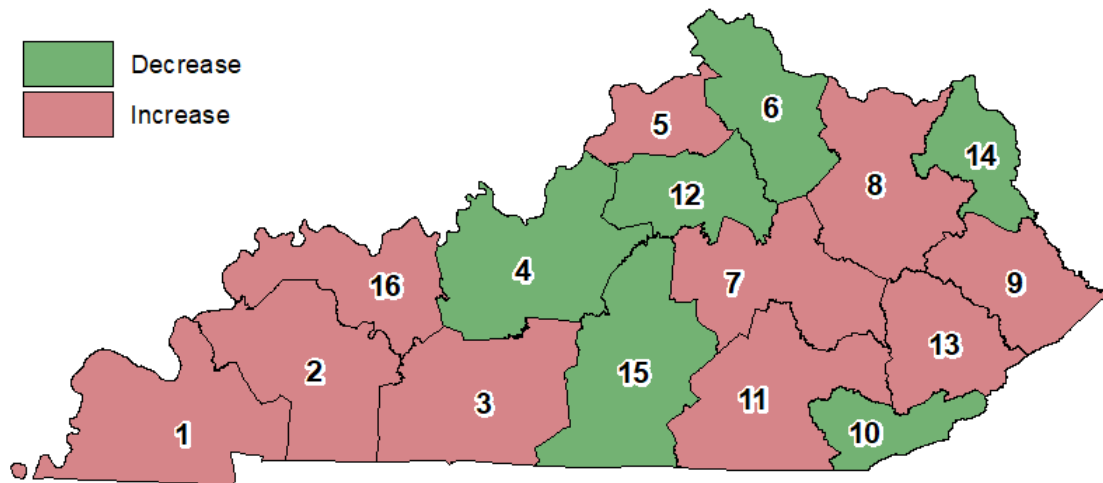
Data are provisional and subject to change. Produced by the Kentucky Substance Use Research & Enforcement (K-SURE) Collaborative. December 2020.

Drug Trafficking Citation Rates by Kentucky State Police Post, 2019



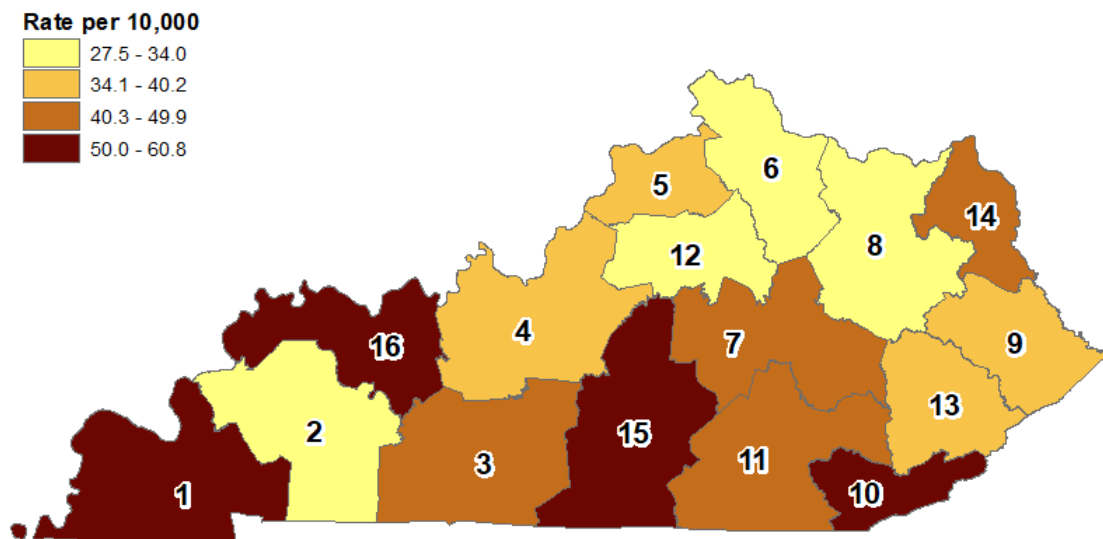
Trafficking citation rates are based off the violation counts for the following Kentucky Revised Statutes (KRS): KRS 35100; 35101; 42105; 42106; 42376; 42377; 42378; 42379; 42466; 42468; 42470; 42480; 42483; 42486; 35200; 35201; 42109; 42110; 42372; 42373; 42374; 42375; 42435; 42436; 42437; 42438; 42113; 42114; 42290; 42291; 42364; 42365; 42366; 42367; 35300; 35301; 42103; 42104; 42368; 42369; 42370; 42465; 42472; 42474; 42476; 42478; 42590; 42593; 42596; and 42599 per 10,000 population. Counts are based on county of occurrence. The number of citations could be greater than the number of individuals cited; citations are with over 90% of law enforcement agencies reporting. Data are provisional and subject to change. Produced by the Kentucky Substance Use Research & Enforcement (K-SURE) Collaborative. December 2020. Data source: Kentucky Open Portal System.

Change in Drug Possession Citations from 2017–2019 by Kentucky State Police Post



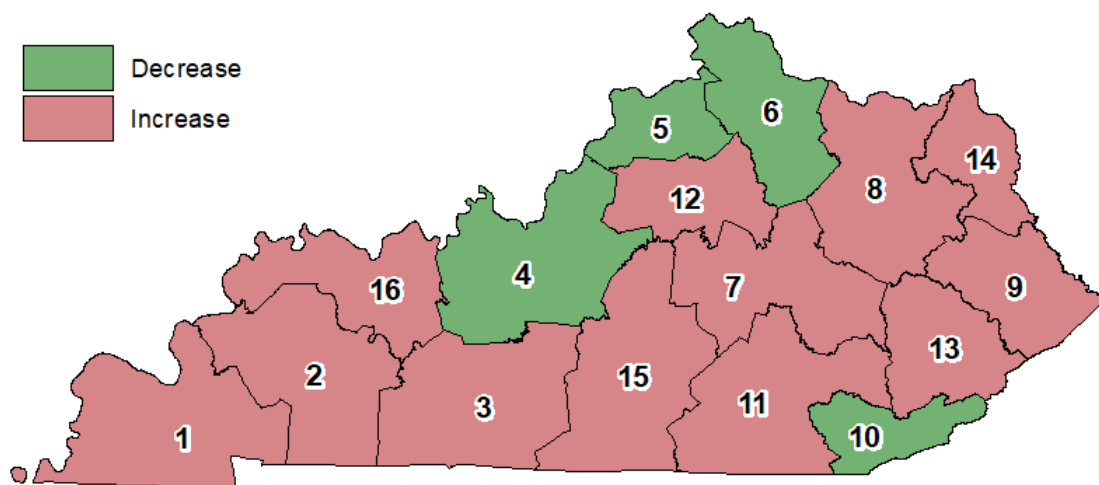
Data are provisional and subject to change. Produced by the Kentucky Substance Use Research & Enforcement (K-SURE) Collaborative. December 2020.

Drug Possession Citation Rates by Kentucky State Police Post, 2019



Possession citations are based off the violation counts for the following Kentucky Revised Statutes (KRS): 35120, 35121, 42195, 42196, 42205, 42206, 35220, 35221, 42197, 42198, 42209, 42210, 42237, 42238, 42246, 42187, 42188, 42215, 42216, 35320, 35321, 42193, 42194, 42203, and 42204 per 10,000 population. Counts are based on county of occurrence. The number of citations could be greater than the number of individuals cited; citations are with over 90% of law enforcement agencies reporting. Data are provisional and subject to change. Produced by the Kentucky Substance Use Research & Enforcement (K-SURE) Collaborative. December 2020. Data source: Kentucky Open Portal System.

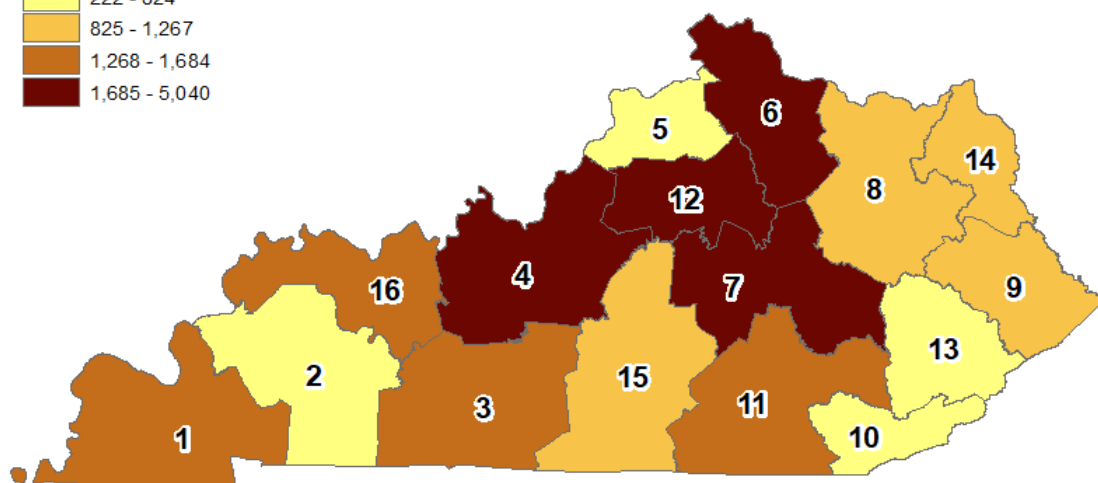
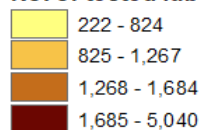
Change in Tested Lab Submissions from 2017–2019 by Kentucky State Police Post



Data are provisional and subject to change. Produced by the Kentucky Substance Use Research & Enforcement (K-SURE) Collaborative. December 2020.

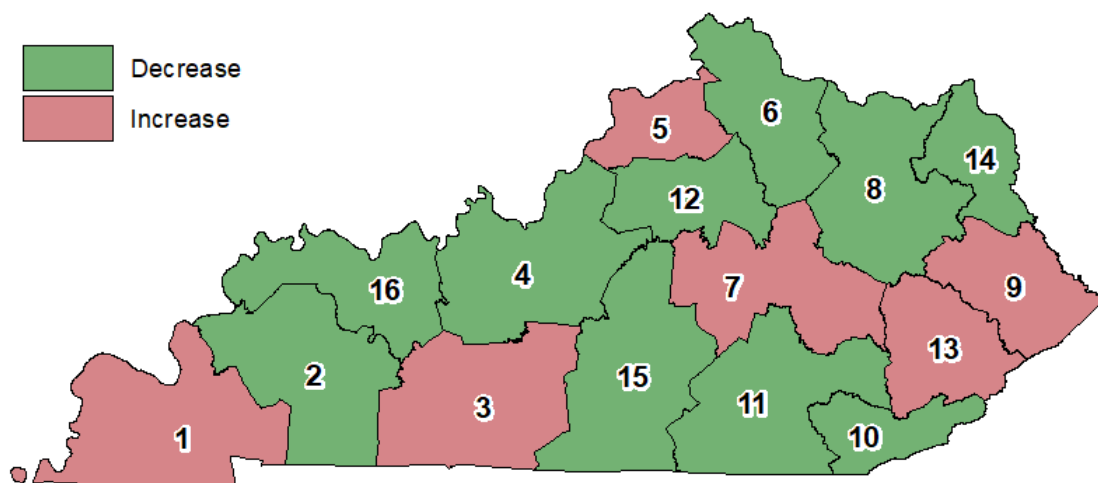
Kentucky State Police Crime Lab Tested Submissions by Kentucky State Police Post, 2019

No. of tested lab submissions



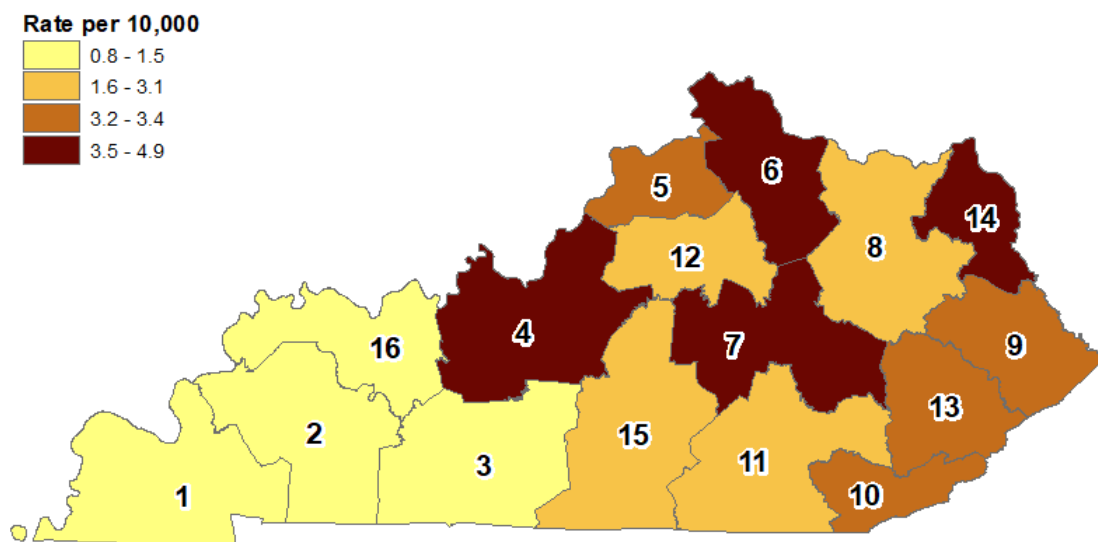
Tested lab submission counts represent those substances submitted to the lab for identification purposes; quantity is not reflected. Lab data represent submissions tested within the corresponding time frame; submission date is not reflected. Counts are based on county of occurrence. Data are provisional and subject to change. Produced by the Kentucky Substance Use Research & Enforcement (K-SURE) Collaborative. December 2020. Data source: Kentucky State Police Crime Laboratory.

Change in Resident Drug Overdose Related Deaths from 2017–2019 by Kentucky State Police Post



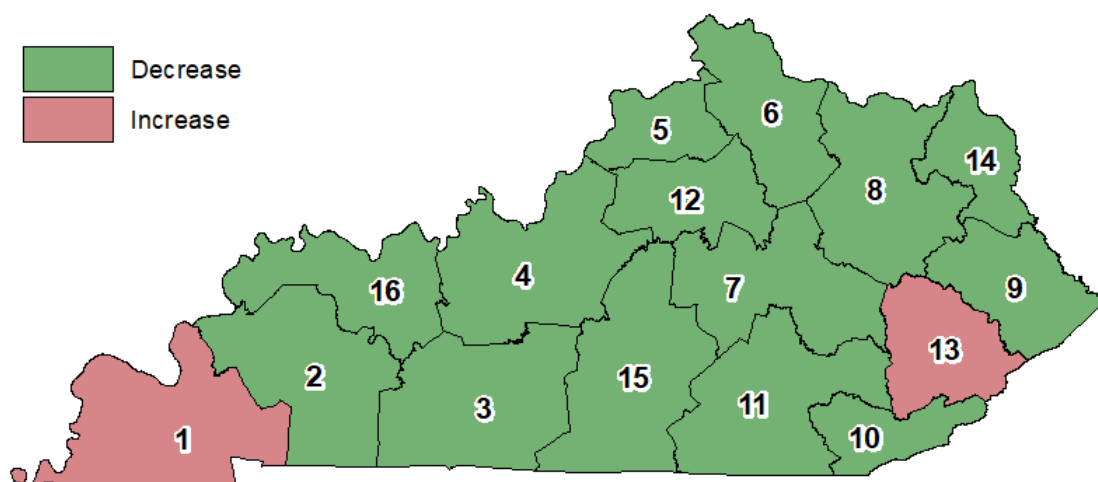
Data are provisional and subject to change. Produced by the Kentucky Substance Use Research & Enforcement (K-SURE) Collaborative. December 2020.

Kentucky Resident Drug Overdose-Related Death Rates by Kentucky State Police Post, 2019



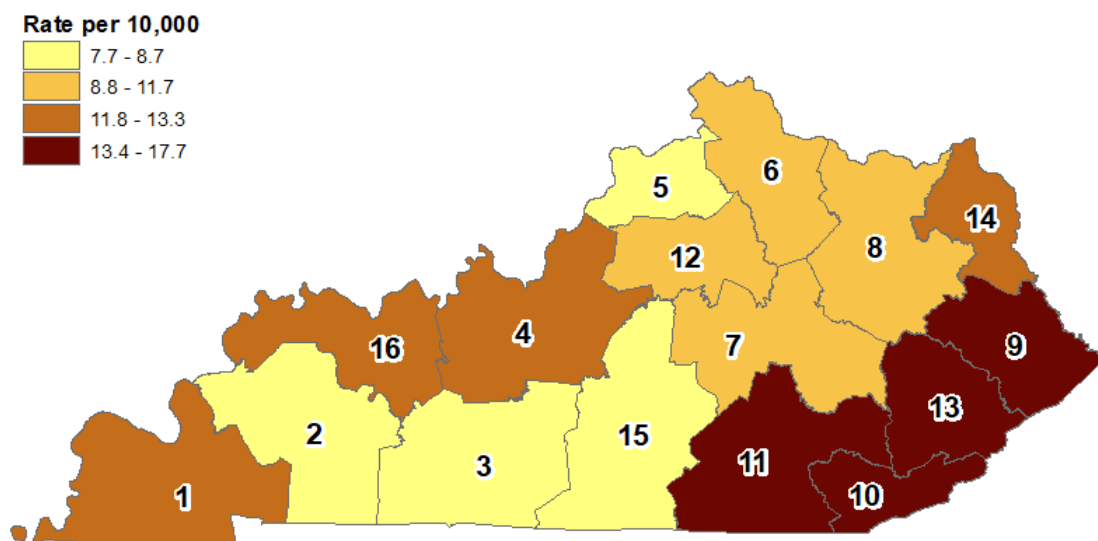
Rates are based on the number of drug overdose-related deaths per 10,000 population. Deaths are based on drug overdose-related deaths among Kentucky residents. Deaths may involve more than one drug. Counts are based on county of residence. Data are provisional and subject to change. Produced by the Kentucky Substance Use Research & Enforcement (K-SURE) Collaborative. December 2020. Data source: Kentucky Death Certificate Database, Office of Vital Statistics, Cabinet for Health and Family Services.

Change in Resident Drug Overdose Related Emergency Department Visits from 2017–2019 by Kentucky State Police Post



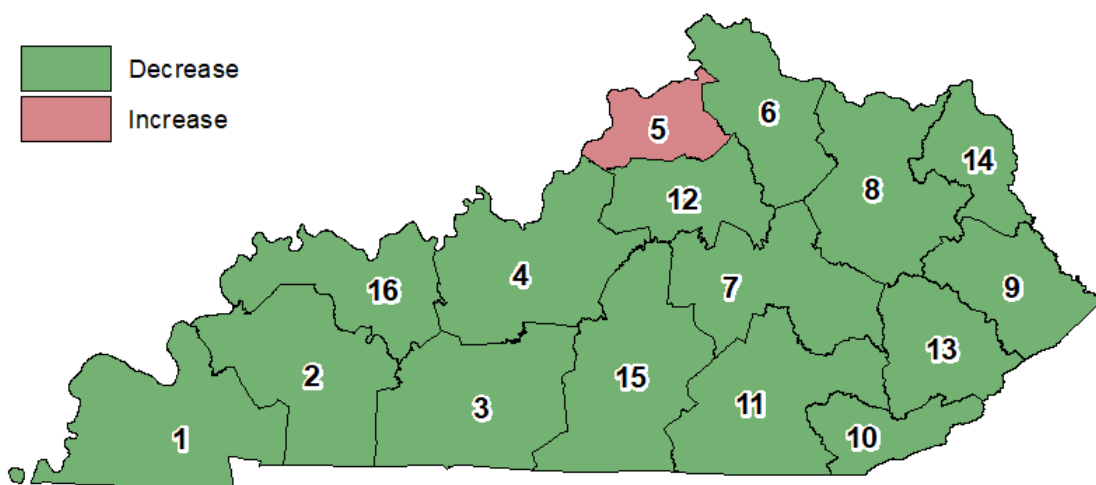
Data are provisional and subject to change. Produced by the Kentucky Substance Use Research & Enforcement (K-SURE) Collaborative. December 2020.

Kentucky Resident Drug Overdose-Related Emergency Department Visits Rates by Kentucky State Police Post, 2019



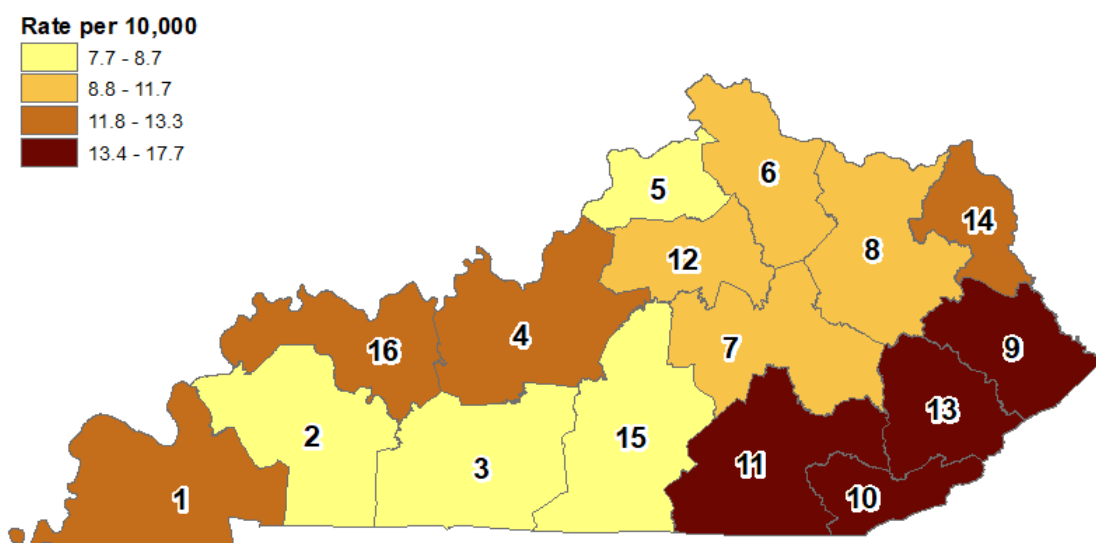
Rates are based on the number of drug overdose-related emergency department (ED) visits per 10,000 population. ED visits represent encounters of care among Kentucky residents and could be greater than the number of individual patient treated. Counts are based on county of residence. Data are provisional and subject to change. Produced by the Kentucky Substance Use Research & Enforcement (K-SURE) Collaborative. December 2020. Data source: Kentucky Outpatient Claim Files, Office of Health and Data Analytics, Cabinet for Health and Family Services.

Change in Resident Drug Overdose Related Inpatient Hospitalizations from 2017–2019 by Kentucky State Police Post



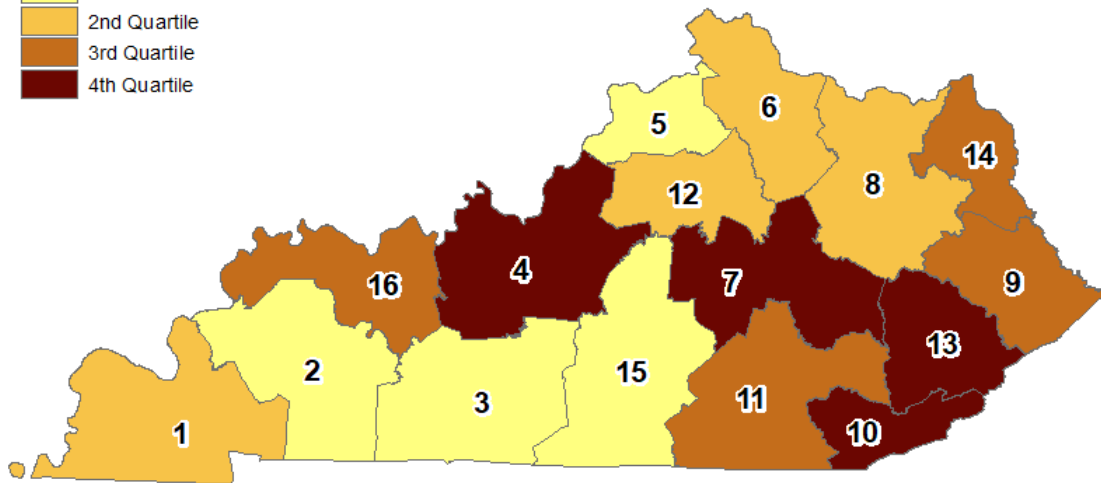
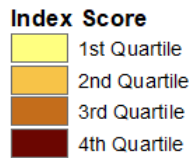
Data are provisional and subject to change. Produced by the Kentucky Substance Use Research & Enforcement (K-SURE) Collaborative. December 2020.

Kentucky Resident Drug Overdose-Related Inpatient Hospitalization Rates by Kentucky State Police Post, 2019



Rates are based on the number of drug overdose-related inpatient hospitalizations at acute care facilities per 10,000 population. Inpatient hospitalizations represent encounters of care among Kentucky residents and could be greater than the number of individual patients treated in acute care facilities. Counts are based on county of residence. Data are provisional and subject to change. Produced by the Kentucky Substance Use Research & Enforcement (K-SURE) Collaborative. December 2020. Data source: Kentucky Inpatient Hospitalization Claim Files, Kentucky Office of Health and Data Analytics, Cabinet for Health and Family Services.

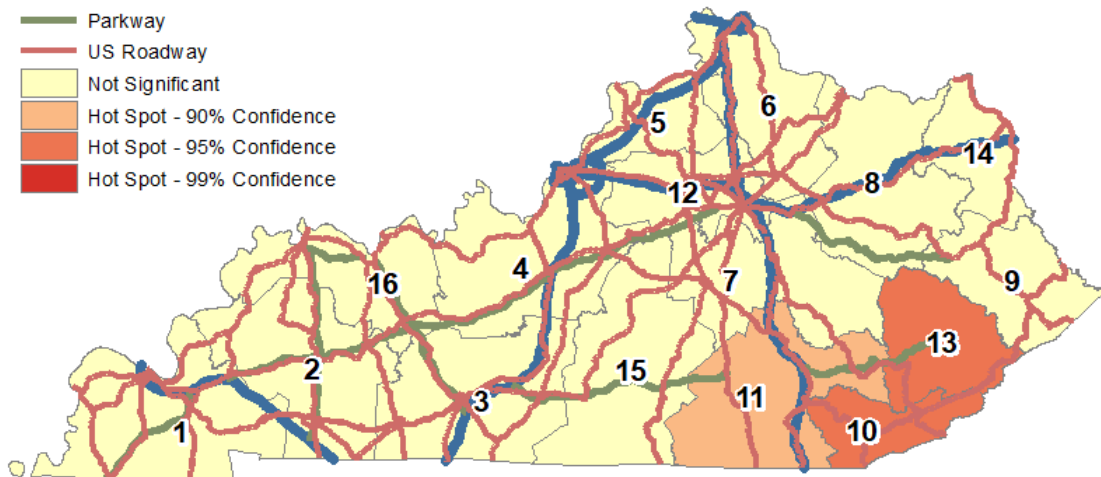
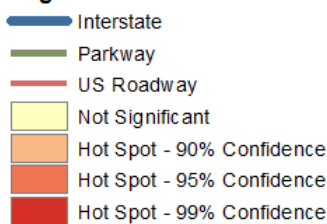
Drug Burden Risk Index Scores by Kentucky State Police Post, 2019



Index Scores are calculated by averaging the 2019 ranks for Kentucky State Police posts in 1) drug trafficking citation rates; 2) drug possession citation rates; 3) tested lab submission counts; 4) drug overdose- (DO) related death rates; 5) DO-related emergency department visit rates; and 6) DO-related hospitalization rates. Data are provisional and subject to change. Produced by the Kentucky Substance Use Research & Enforcement (K-SURE) Collaborative. December 2020. Data sources: Kentucky Open Portal System, Kentucky State Police; Kentucky State Police Crime Laboratory; Kentucky Death Certificate Database, Office of Vital Statistics, Cabinet for Health and Family Services; Kentucky Outpatient Claim Files, Office of Health and Data Analytics, Cabinet for Health and Family Services; Kentucky Inpatient Hospitalization Claim Files, Kentucky Office of Health and Data Analytics, Cabinet for Health and Family Services.

Drug Burden Risk Hot Spots by Kentucky State Police Post, 2019

Legend



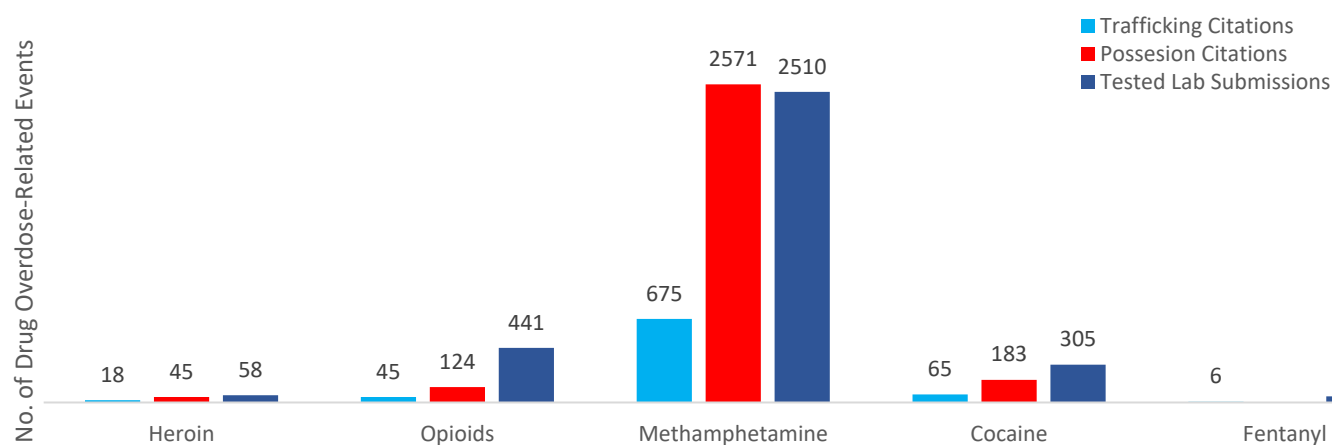
Hot Spots are derived from Index Scores. Index Scores are calculated by averaging the 2019 ranks for Kentucky State Police posts in 1) drug trafficking citation rates; 2) drug possession citation rates; 3) tested lab submission counts; 4) drug overdose- (DO) related death rates; 5) DO-related emergency department visit rates; and 6) DO-related hospitalization rates. Data are provisional and subject to change. Produced by the Kentucky Substance Use Research & Enforcement (K-SURE) Collaborative. December 2020. Data sources: Kentucky Open Portal System, Kentucky State Police; Kentucky State Police Crime Laboratory; Kentucky Death Certificate Database, Office of Vital Statistics, Cabinet for Health and Family Services; Kentucky Outpatient Claim Files, Office of Health and Data Analytics, Cabinet for Health and Family Services; Kentucky Inpatient Hospitalization Claim Files, Kentucky Office of Health and Data Analytics, Cabinet for Health and Family Services.

IV. PUBLIC SAFETY AND PUBLIC HEALTH INDICATORS BY KENTUCKY STATE POLICE POST

KSP Post 1

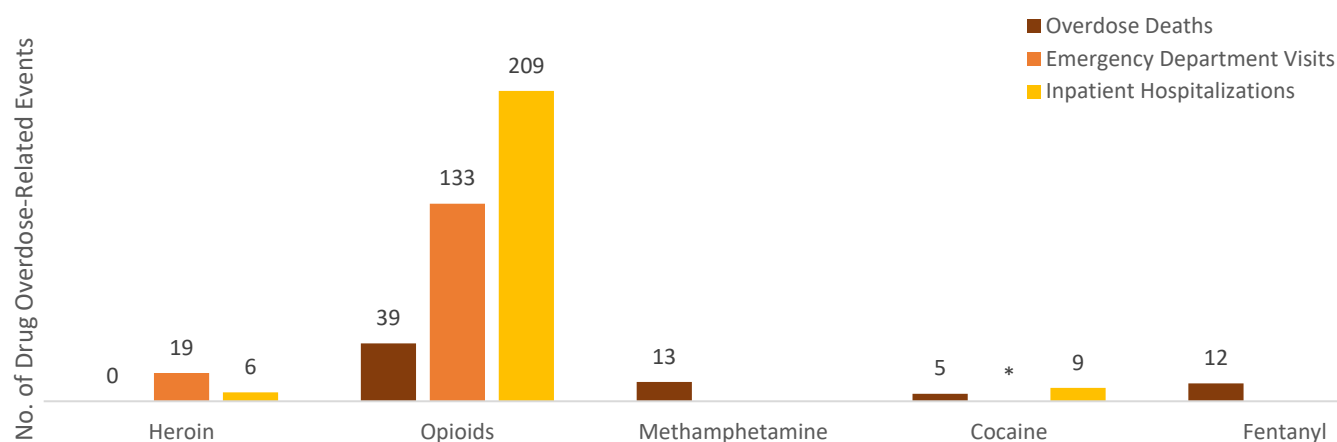
Ballard, Calloway, Carlisle, Fulton, Graves, Hickman, Livingston, Lyon, Marshall, McCracken, and Trigg Counties

Public Safety Indicators, 2017–2019



Note: There are no KRS codes for fentanyl possession.

Public Health Indicators, 2017–2019



Notes: An asterisk (*) represents suppressed counts greater than zero but less than five, per data suppression agreements. Emergency department and hospitalization data are not available for methamphetamine, fentanyl, and fentanyl-related analogs.

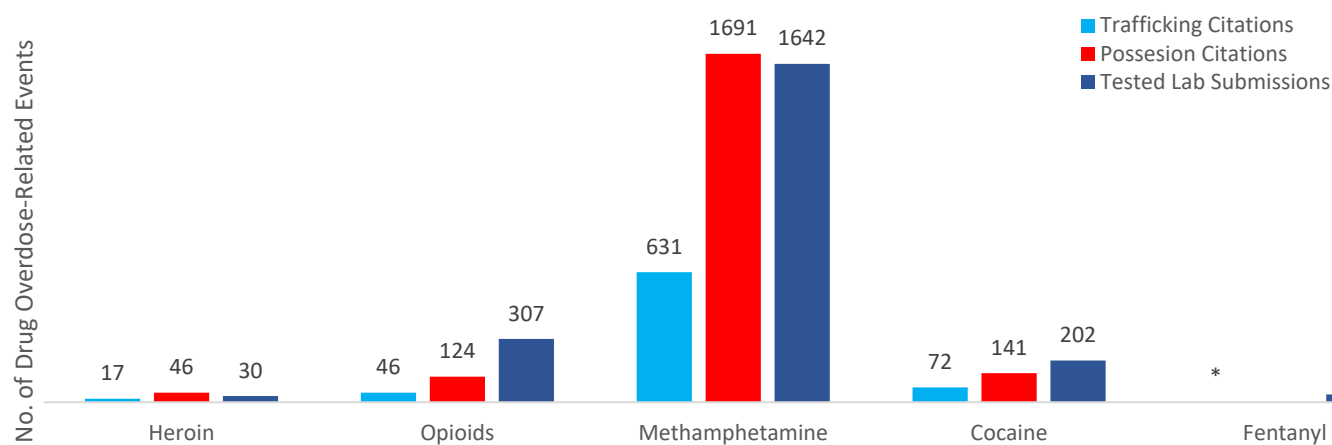
Substance Use-Related Event Change, 2017–2019

Increasing Events	Decreasing Events	No Change in Events
Heroin: Possessions, ED Visits, and Hospitalizations Opioids: Trafficking, Labs, Deaths, and ED Visits Methamphetamine: Trafficking, Possessions, Labs, and Deaths Cocaine: Deaths and Hospitalizations Fentanyl and fentanyl-related analogs: Trafficking, Labs, and Deaths	Heroin: Trafficking and Labs Opioids: Possessions and Hospitalizations Cocaine: Trafficking, Possessions, and Labs	Heroin: Deaths Cocaine: ED Visits

KSP Post 2

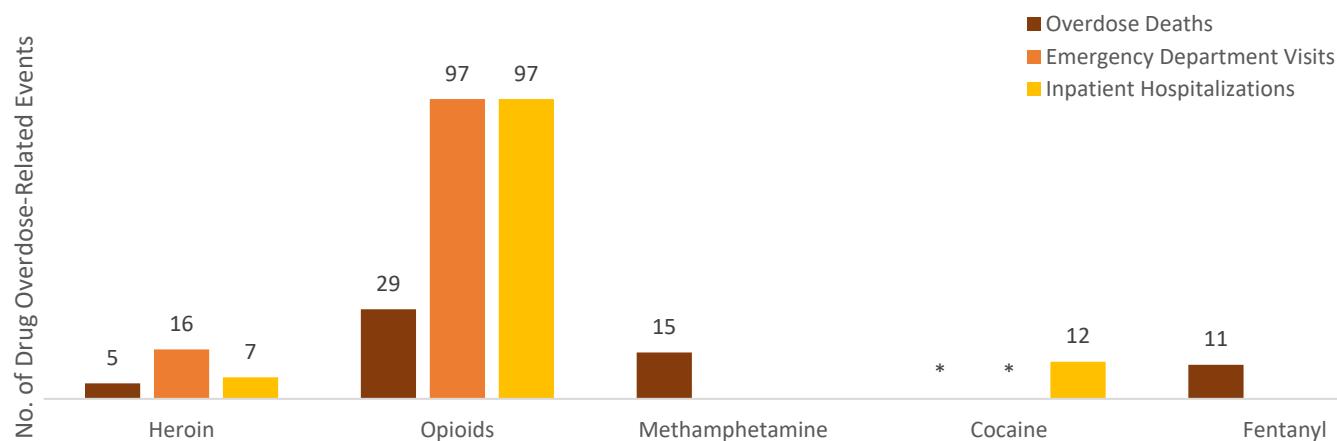
Caldwell, Christian, Crittenden, Hopkins, Muhlenberg, Todd, and Webster Counties

Public Safety Indicators, 2017–2019



Notes: An asterisk (*) represents suppressed counts greater than zero but less than five, per data suppression agreements. There are no KRS codes for fentanyl possession.

Public Health Indicators, 2017–2019



Notes: An asterisk (*) represents suppressed counts greater than zero but less than five, per data suppression agreements. Emergency department and hospitalization data are not available for Methamphetamine or Fentanyl and Fentanyl related analogs.

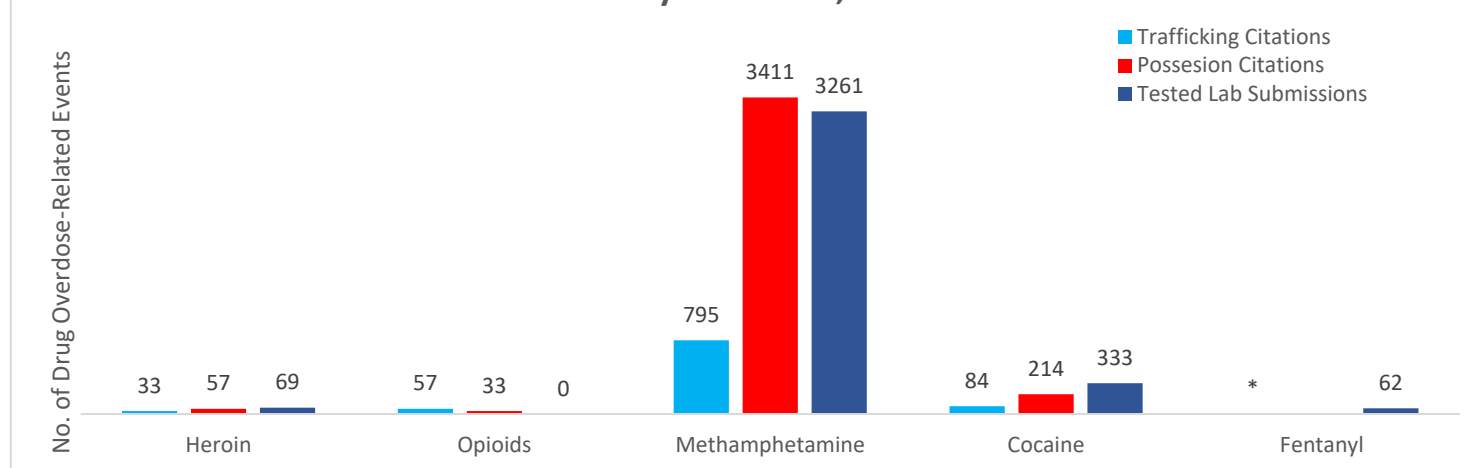
Substance Use-Related Event Change, 2017–2019

Increasing Events	Decreasing Events	No Change in Events
Heroin: Trafficking, Possessions, ED Visits, Labs Opioids: Trafficking and Labs Methamphetamine: Trafficking, Possessions, and Labs Cocaine: Possessions Fentanyl: Trafficking, Deaths, and Labs	Heroin: Deaths Opioids: Possessions, Deaths, ED Visits, and Hospitalizations Cocaine: Labs, Deaths, and Hospitalizations	Heroin: Hospitalizations Methamphetamine: Deaths Cocaine: Trafficking, and ED Visits

KSP Post 3

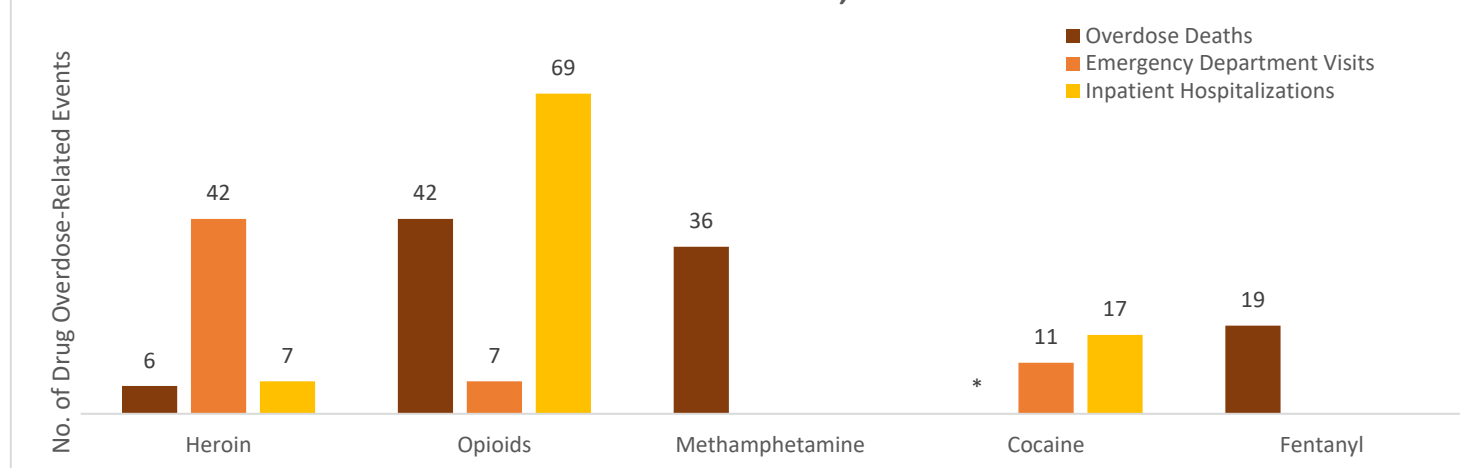
Allen, Barren, Butler, Edmonson, Hart, Logan, Simpson, and Warren Counties

Public Safety Indicators, 2017–2019






Notes: An asterisk (*) represents suppressed counts greater than zero but less than five, per data suppression agreements. There are no KRS codes for fentanyl possession.

Public Health Indicators, 2017–2019



Notes: An asterisk (*) represents suppressed counts greater than zero but less than five, per data suppression agreements. Emergency department and hospitalization data are not available for methamphetamine, fentanyl, and fentanyl-related analogs.

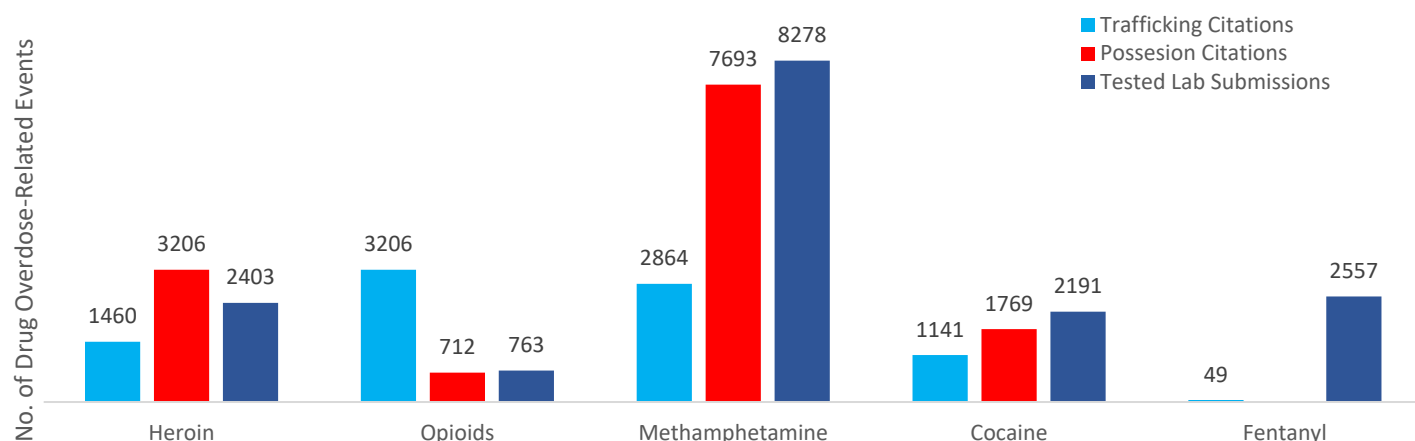
Substance Use-Related Event Change, 2017–2019

 Increasing Events	 Decreasing Events	 No Change in Events
Heroin: Trafficking, Possessions, Labs, Deaths, ED Visits, and Hospitalizations Opioids: Possessions, Labs, and Deaths Methamphetamine: Trafficking, Possessions, Labs, and Deaths Cocaine: Hospitalizations Fentanyl and fentanyl-related analogs: Trafficking, Deaths, and Labs	Opioids: Trafficking, ED Visits, and Hospitalizations Cocaine: Trafficking, Possessions, and Labs	Cocaine: Deaths and ED Visits

KSP Post 4

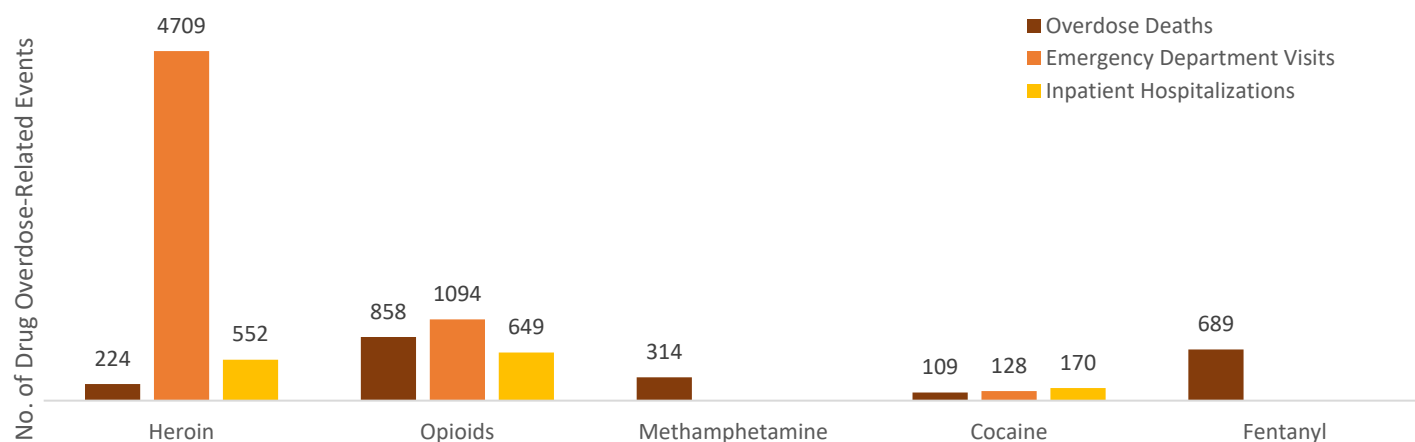
Breckinridge, Bullitt, Grayson, Hardin, Jefferson, Larue, Meade, and Nelson Counties

Public Safety Indicators, 2017–2019






Note: There are no KRS Codes for fentanyl possession.

Public Health Indicators, 2017–2019



Note: Emergency department and hospitalization data are not available for methamphetamine, fentanyl, and fentanyl-related analogs.

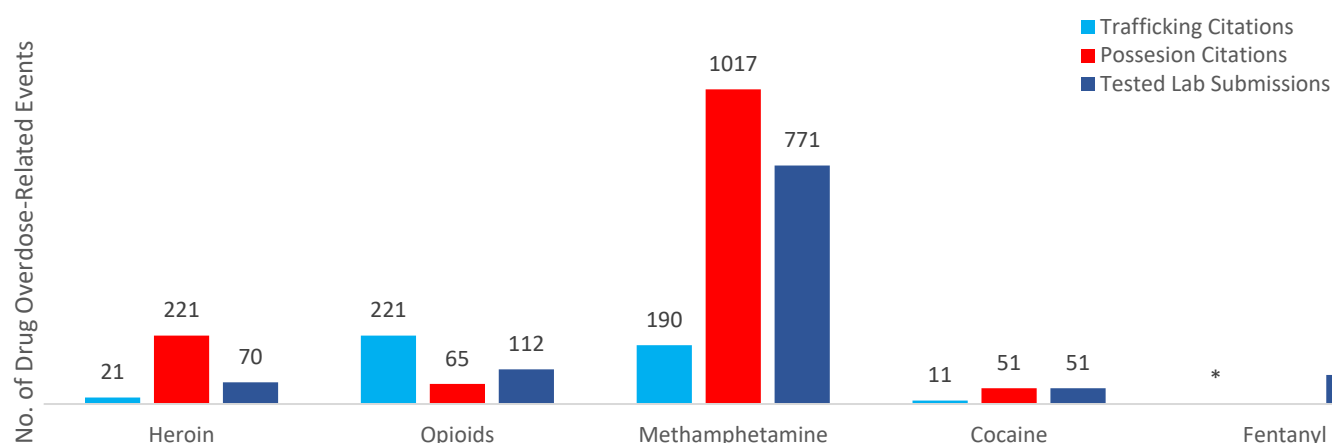
Substance Use-Related Event Change, 2017–2019

 Increasing Events	 Decreasing Events	 No Change in Events
Opioids: Deaths Methamphetamine: Possessions, Labs, and Deaths Fentanyl and fentanyl-related analogs: Trafficking, Labs, and Deaths	Heroin: Trafficking, Possessions, Labs, Deaths, ED Visits, and Hospitalizations Opioids: Trafficking, Possessions, Labs, ED Visits, and Hospitalizations Methamphetamine: Trafficking Cocaine: Trafficking, Possessions, Labs, Deaths, ED Visits, and Hospitalizations	

KSP Post 5

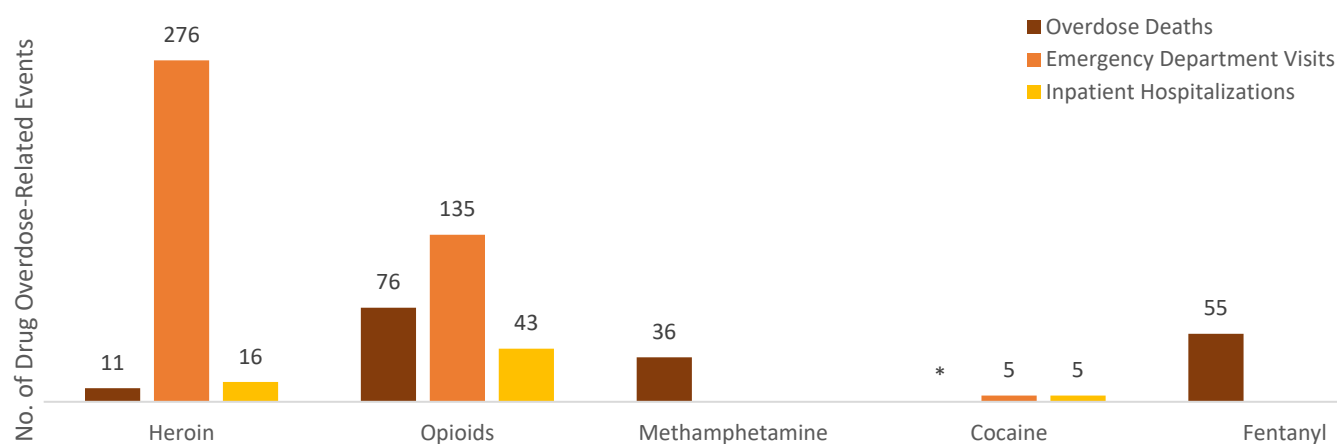
Carroll, Gallatin, Henry, Oldham, Owen, and Trimble Counties

Public Safety Indicators, 2017–2019



Notes: An asterisk (*) represents suppressed counts greater than zero but less than five, per data suppression agreements. There are no KRS codes for fentanyl possession.

Public Health Indicators, 2017–2019



Notes: An asterisk (*) represents suppressed counts greater than zero but less than five, per data suppression agreements. Emergency department and hospitalization data are not available for methamphetamine, fentanyl, and fentanyl-related analogs.

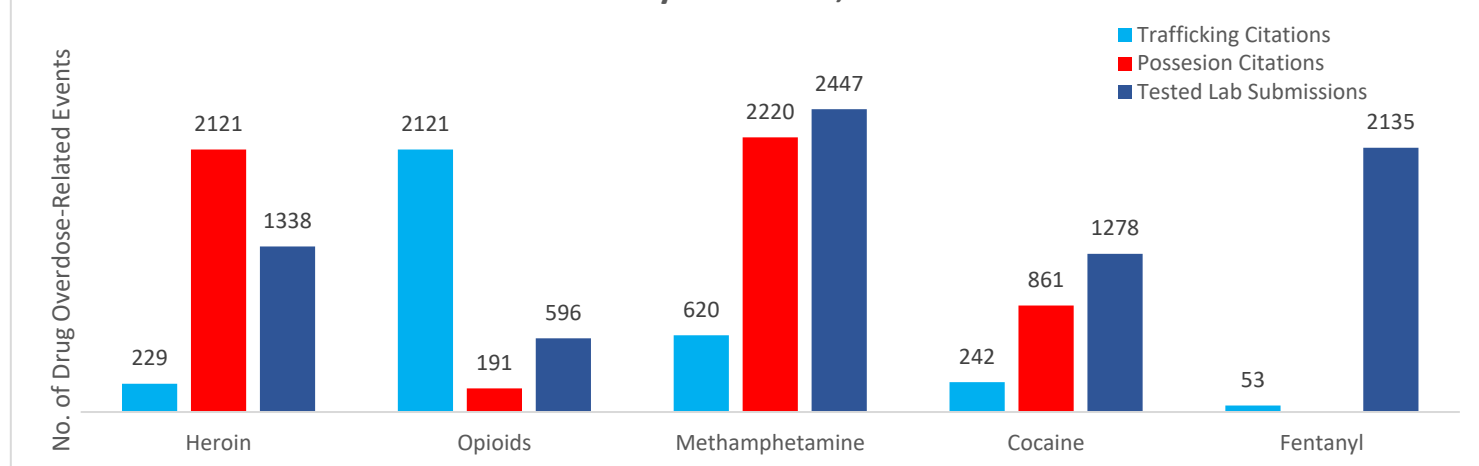
Substance Use-Related Event Change, 2017–2019

↑ Increasing Events	↓ Decreasing Events	= No Change in Events
Opioids: Deaths, ED Visits, and Hospitalizations Methamphetamine: Possessions and Deaths Cocaine: Deaths and Hospitalizations Fentanyl and fentanyl-related analogs: Trafficking and Deaths	Heroin: Trafficking, Possessions, Labs, ED Visits, and Hospitalizations Opioids: Trafficking, Possessions, and Labs Methamphetamine: Trafficking and Labs Cocaine: Possessions, and Labs Fentanyl and fentanyl-related analogs: Labs	Heroin: Deaths Opioids: Trafficking Cocaine: Trafficking and ED Visits

KSP Post 6

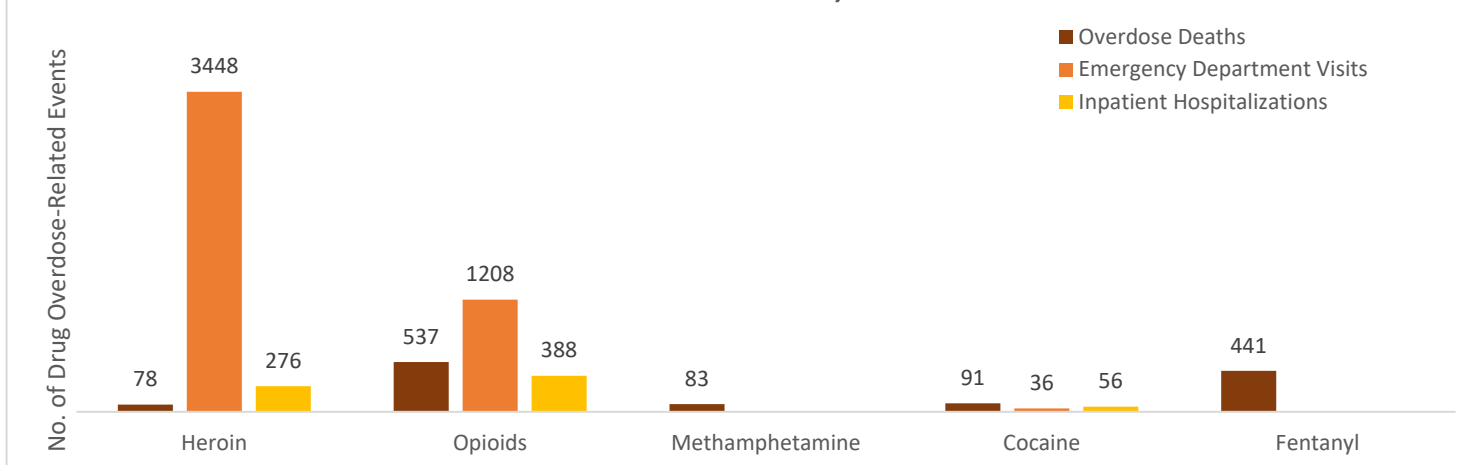
Boone, Bourbon, Bracken, Campbell, Grant, Harrison, Kenton, Nicholas, Pendleton, and Robertson Counties

Public Safety Indicators, 2017–2019



Note: There are no KRS codes for fentanyl possession.

Public Health Indicators, 2017–2019



Note: Emergency department and hospitalization data are not available for methamphetamine, fentanyl, and fentanyl-related analogs.

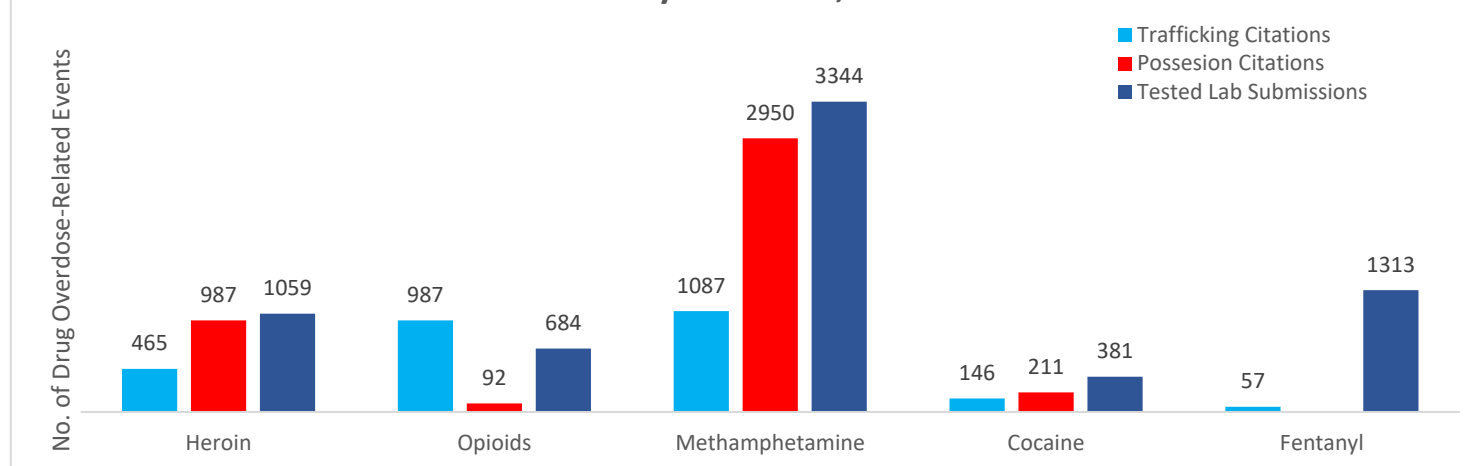
Substance Use-Related Event Change, 2017–2019

↑ Increasing Events	↓ Decreasing Events	= No Change in Events
Methamphetamine: Trafficking, Possessions, Labs, and Deaths Opioids: ED Visits Cocaine: Trafficking and Hospitalizations Fentanyl and fentanyl-related analogs: Trafficking and Labs	Heroin: Trafficking, Possessions, Labs, Deaths, ED Visits, and Hospitalizations Opioids: Trafficking, Possessions, Labs, Deaths, and Hospitalizations Cocaine: Possessions, Labs, Deaths, and ED Visits Fentanyl and fentanyl-related analogs: Deaths	

KSP Post 7

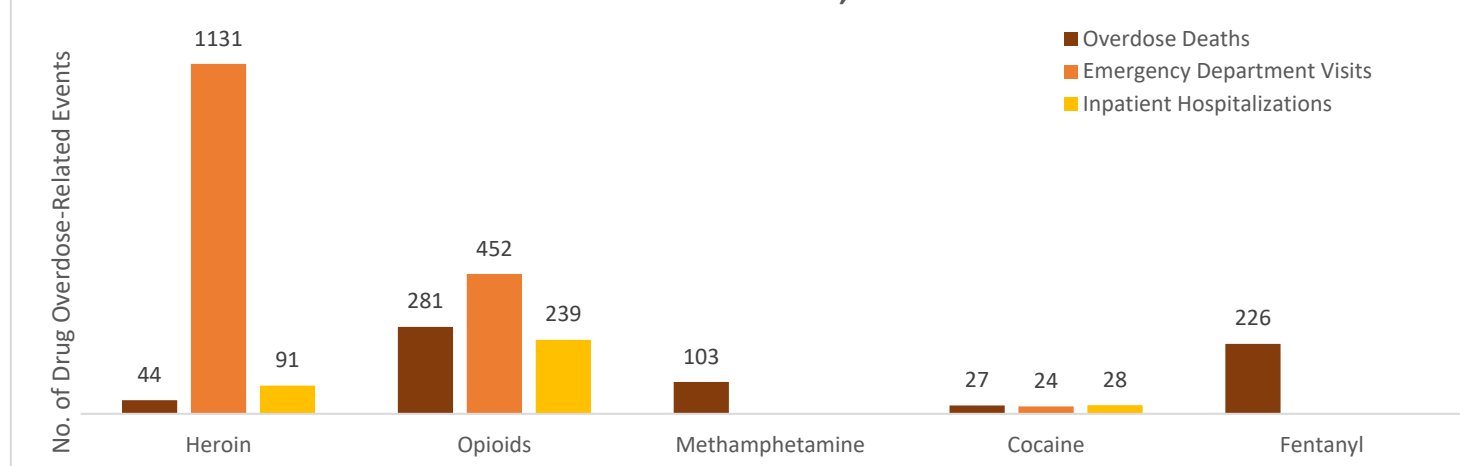
Boyle, Clark, Estill, Garrard, Jackson, Jessamine, Lee, Lincoln, Madison, Mercer, and Owsley Counties

Public Safety Indicators, 2017–2019






Note: There are no KRS codes for fentanyl possession.

Public Health Indicators, 2017–2019



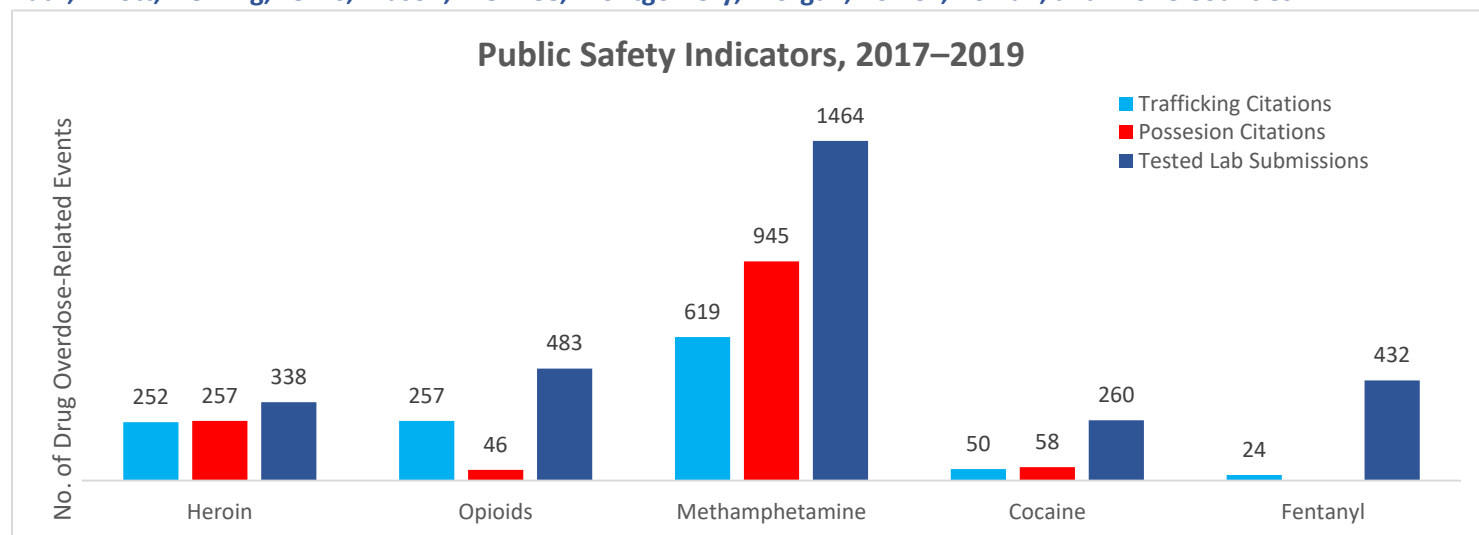
Note: Emergency department and hospitalization data are not available for methamphetamine, fentanyl and fentanyl-related analogs.

Substance Use-Related Event Change, 2017–2019

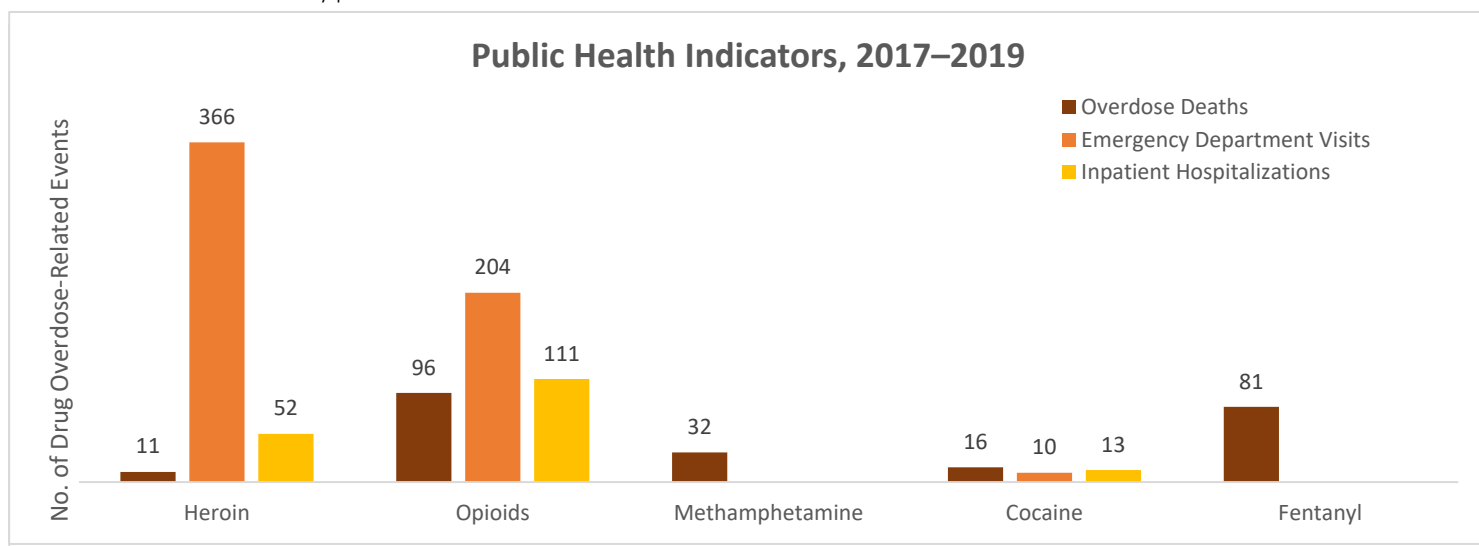
 Increasing Events	 Decreasing Events	 No Change in Events
Heroin: Labs Opioids: Possessions and ED Visits Methamphetamine: Trafficking, Possessions, and Labs Cocaine: Trafficking, Possessions, Labs, and Hospitalizations Fentanyl and fentanyl-related analogs: Labs and Deaths	Heroin: Trafficking, Possessions, Deaths, ED Visits, and Hospitalizations Opioids: Trafficking, Deaths, and Labs Methamphetamine: Deaths Cocaine: Deaths Fentanyl and fentanyl-related analogs: Trafficking	Opioids: Hospitalizations Cocaine: ED Visits

KSP Post 8

Bath, Elliott, Fleming, Lewis, Mason, Menifee, Montgomery, Morgan, Powell, Rowan, and Wolfe Counties






Note: There are no KRS codes for fentanyl possession.



Note: Emergency department and hospitalization data are not available for methamphetamine, fentanyl, and fentanyl-related analogs.

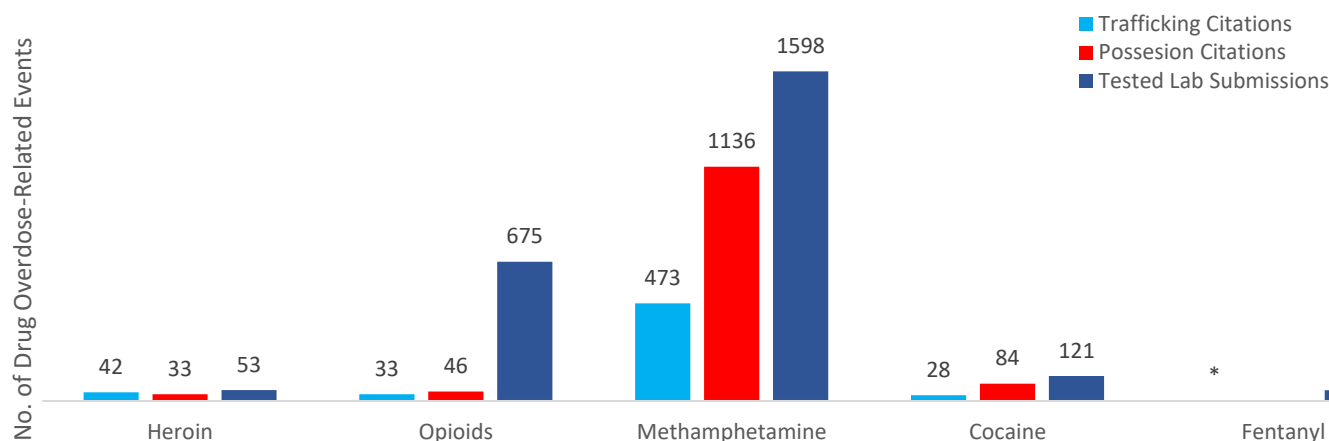
Substance Use-Related Event Change, 2017–2019

 Increasing Events	 Decreasing Events	 No Change in Events
Heroin: Possessions and Labs Opioids: Possessions Methamphetamine: Trafficking, Possessions, Labs, and Deaths Cocaine: Possessions and Labs Fentanyl and fentanyl-related analogs: Trafficking and Labs	Heroin: Trafficking, Deaths, ED Visits, and Hospitalizations Opioids: Trafficking, Labs, Deaths, ED Visits, and Hospitalizations Cocaine: Trafficking, Deaths, ED Visits, and Hospitalizations Fentanyl and fentanyl-related analogs: Deaths	

KSP Post 9

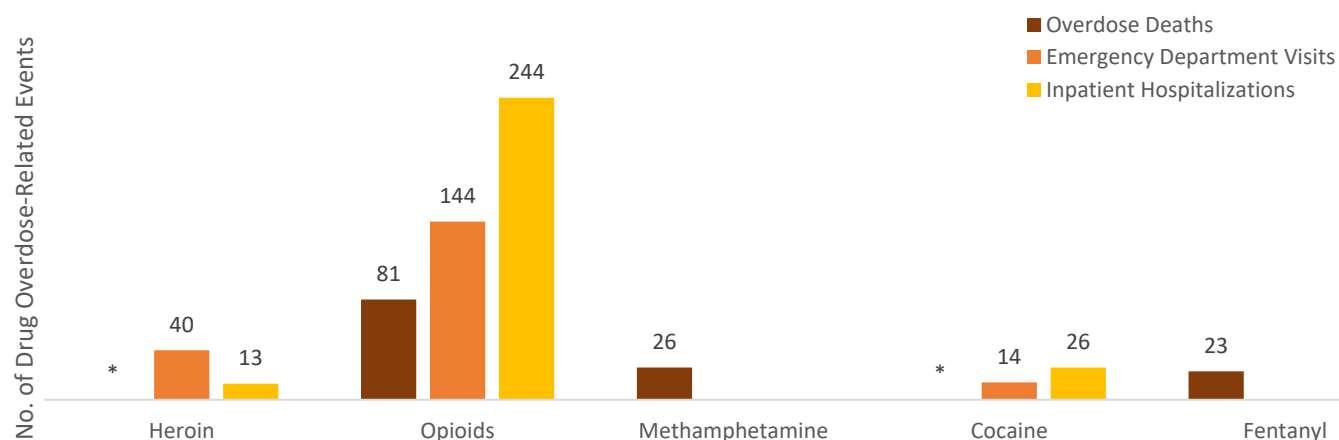
Floyd, Johnson, Magoffin, Martin, and Pike Counties

Public Safety Indicators, 2017–2019



Notes: An asterisk (*) represents suppressed counts greater than zero but less than five, per data suppression agreements. There are no KRS codes for fentanyl possession.

Public Health Indicators, 2017–2019



Notes: An asterisk (*) represents suppressed counts greater than zero but less than five, per data suppression agreements. Emergency department and hospitalization data are not available for methamphetamine, fentanyl, and fentanyl-related analogs.

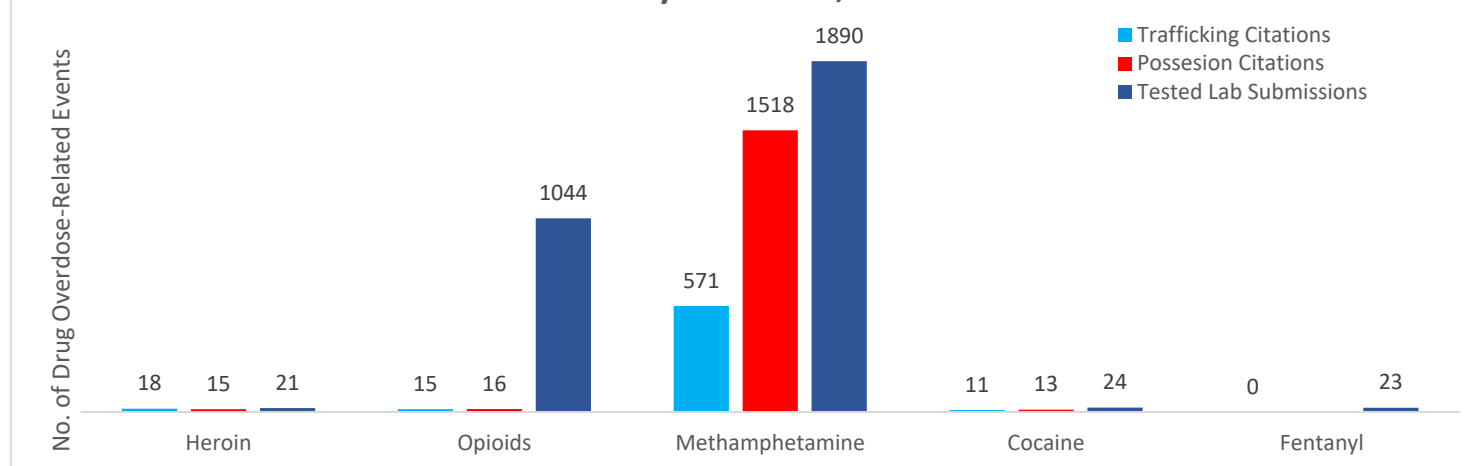
Substance Use Related Event Change, 2017–2019

↑ Increasing Events	↓ Decreasing Events	= No Change in Events
Heroin: Possessions, Labs, and ED Visits Opioids: Deaths Methamphetamine: Possessions, Labs and Deaths Cocaine: Possessions, and Deaths Fentanyl and Fentanyl related analogs: Trafficking, Labs, and Deaths	Heroin: Deaths, ED Visits, and Hospitalizations Opioids: Trafficking, Labs, ED Visits, and Hospitalizations Methamphetamine: Trafficking Cocaine: Trafficking, Labs, ED Visits, and Hospitalizations	Opioids: Possessions

KSP Post 10

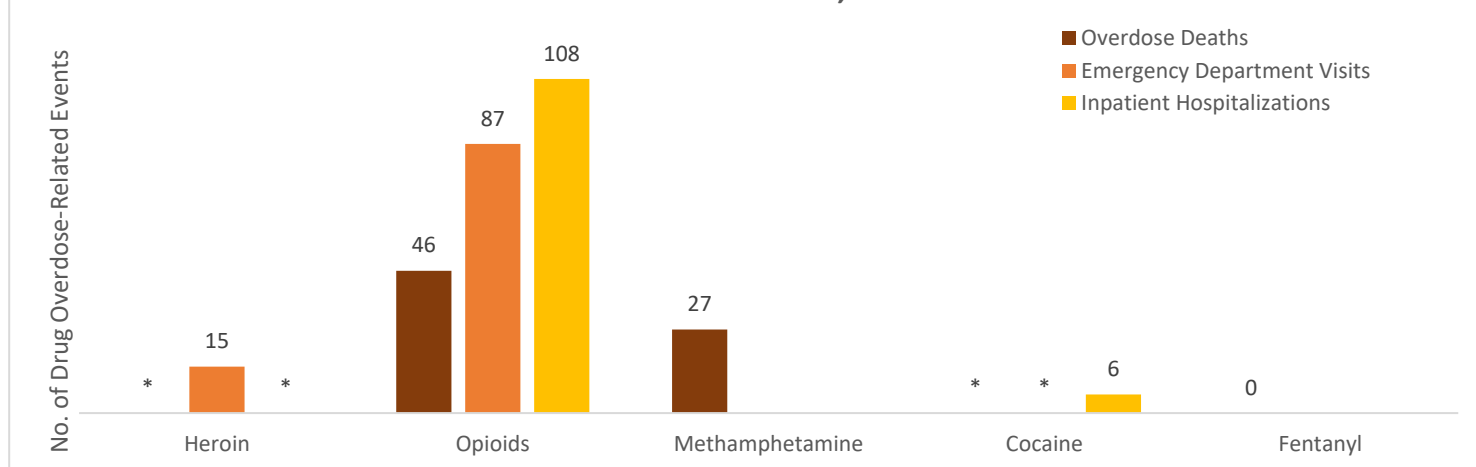
Bell, Harlan, and Knox Counties

Public Safety Indicators, 2017–2019






Note: There are no KRS codes for fentanyl possession.

Public Health Indicators, 2017–2019



Notes: An asterisk (*) represents suppressed counts greater than zero but less than five, per data suppression agreements. Emergency department and hospitalization data are not available for methamphetamine, fentanyl, and fentanyl-related analogs.

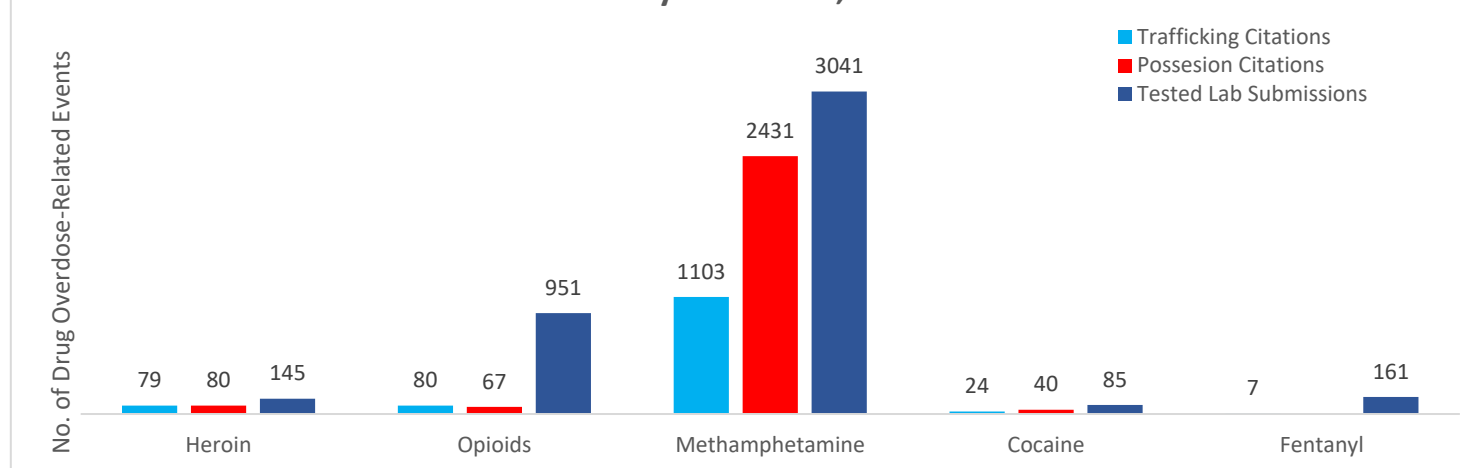
Substance Use-Related Event Change, 2017–2019

 Increasing Events	 Decreasing Events	 No Change in Events
Heroin: Possessions Opioids: Trafficking, Possessions, Labs, Deaths, ED Visits, and Hospitalizations Methamphetamine: Trafficking, Possessions, and Deaths Cocaine: Deaths Fentanyl and Fentanyl related analogs: Labs	Heroin: Trafficking, Labs, ED Visits, and Hospitalizations Methamphetamine: Labs Cocaine: Trafficking, Possessions, and Hospitalizations	Heroin: Deaths Cocaine: Labs, and ED Visits Fentanyl and Fentanyl related analogs: Trafficking, and Deaths

KSP Post 11

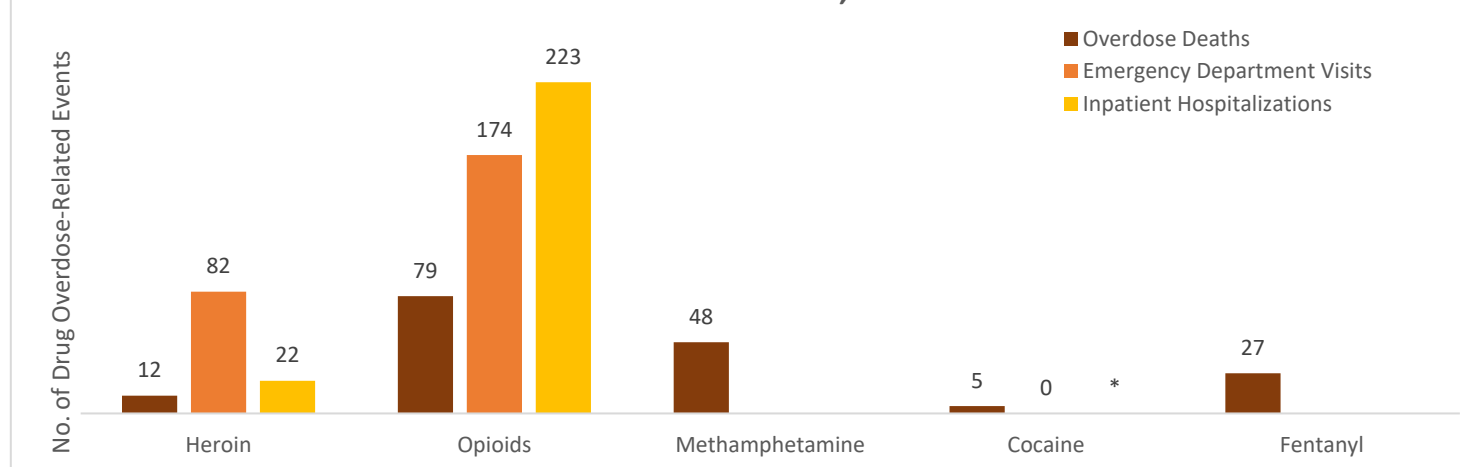
Clay, Laurel, McCreary, Pulaski, Rockcastle, Wayne, and Whitley Counties

Public Safety Indicators, 2017–2019



Note: There are no KRS codes for fentanyl possession.

Public Health Indicators, 2017–2019



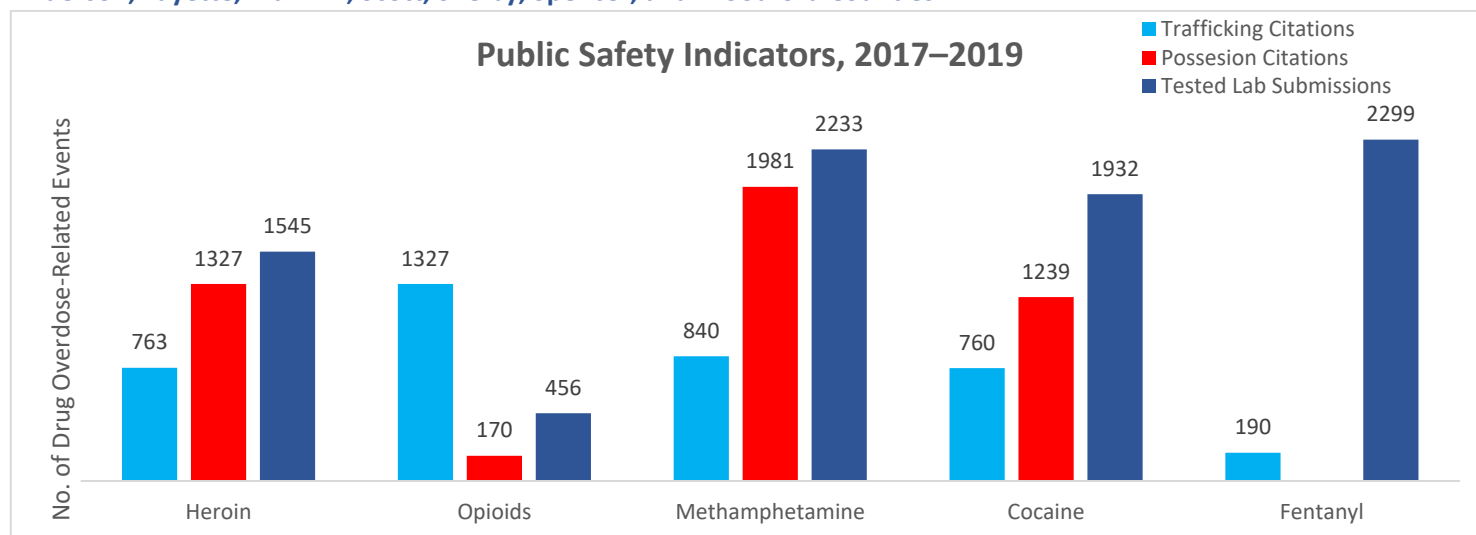
Notes: An asterisk (*) represents suppressed counts greater than zero but less than five, per data suppression agreements. Emergency department and hospitalization data are not available for methamphetamine, fentanyl, and fentanyl-related analogs.

Substance Use-Related Event Change, 2017–2019

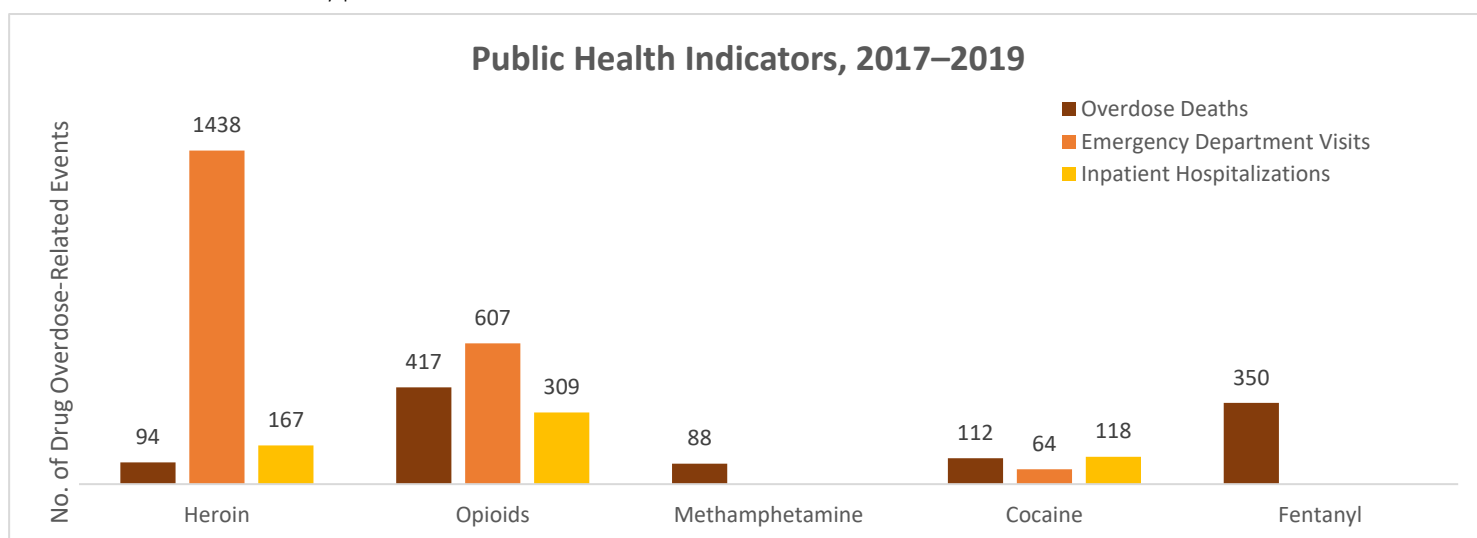
↑ Increasing Events	↓ Decreasing Events	= No Change in Events
Heroin: Trafficking, Possessions, Labs, Deaths, and Hospitalizations Methamphetamine: Possessions, and Labs Cocaine: Possessions, Labs, and Deaths Fentanyl and Fentanyl related analogs: Trafficking, Labs, and Deaths	Heroin: ED Visits Opioids: Trafficking, Possessions, Labs, Deaths, ED Visits, and Hospitalizations Methamphetamine: Trafficking and Deaths Cocaine: Trafficking and Hospitalizations	

KSP Post 12

Anderson, Fayette, Franklin, Scott, Shelby, Spencer, and Woodford Counties



Note: There are no KRS codes for fentanyl possession.



Note: Emergency department and hospitalization data are not available for methamphetamine, fentanyl, and fentanyl-related analogs.

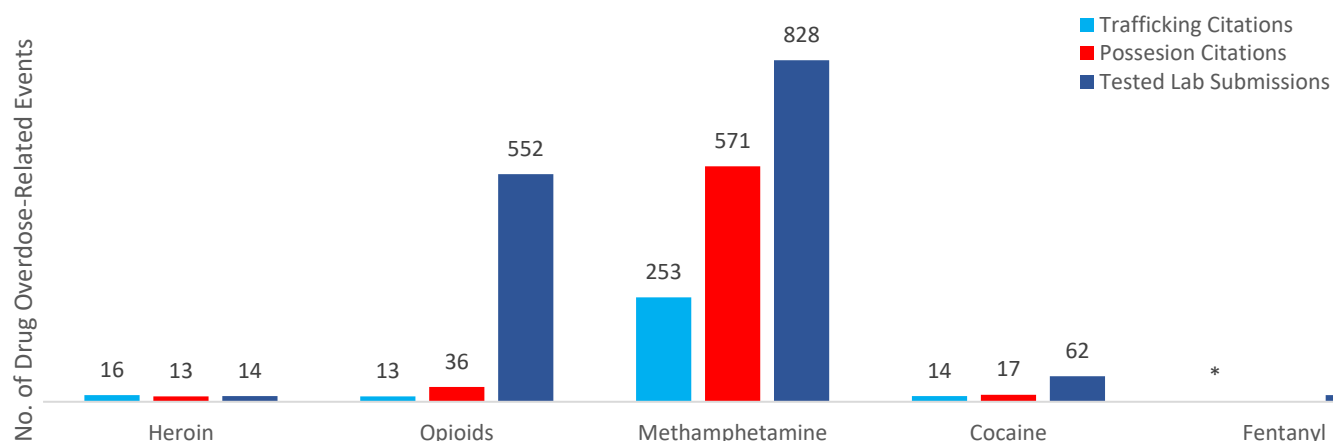
Substance Use Related Event Change, 2017–2019

Increasing Events	Decreasing Events	No Change in Events
Heroin: Possessions Methamphetamine: Trafficking, Possessions, Labs, and Deaths Cocaine: ED Visits Fentanyl and fentanyl-related analogs: Trafficking, and Labs	Heroin: Trafficking, Labs, Deaths, ED Visits, and Hospitalizations Opioids: Trafficking, Possessions, Labs, Deaths, ED Visits, and Hospitalizations Cocaine: Trafficking, Possessions, Labs, Deaths, and Hospitalizations Fentanyl and fentanyl-related analogs: Deaths	

KSP Post 13

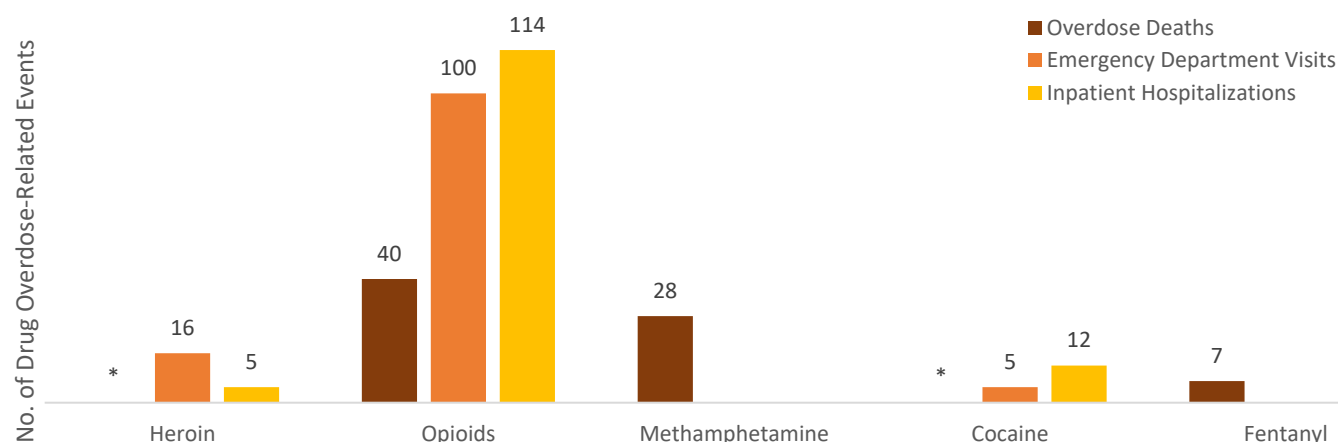
Breathitt, Knott, Leslie, Letcher, and Perry Counties

Public Safety Indicators, 2017–2019






Notes: An asterisk (*) represents suppressed counts greater than zero but less than five, per data suppression agreements. There are no KRS codes for fentanyl possession.

Public Health Indicators, 2017–2019



Notes: An asterisk (*) represents suppressed counts greater than zero but less than five, per data suppression agreements. Emergency department and hospitalization data are not available for methamphetamine, fentanyl, and fentanyl-related analogs.

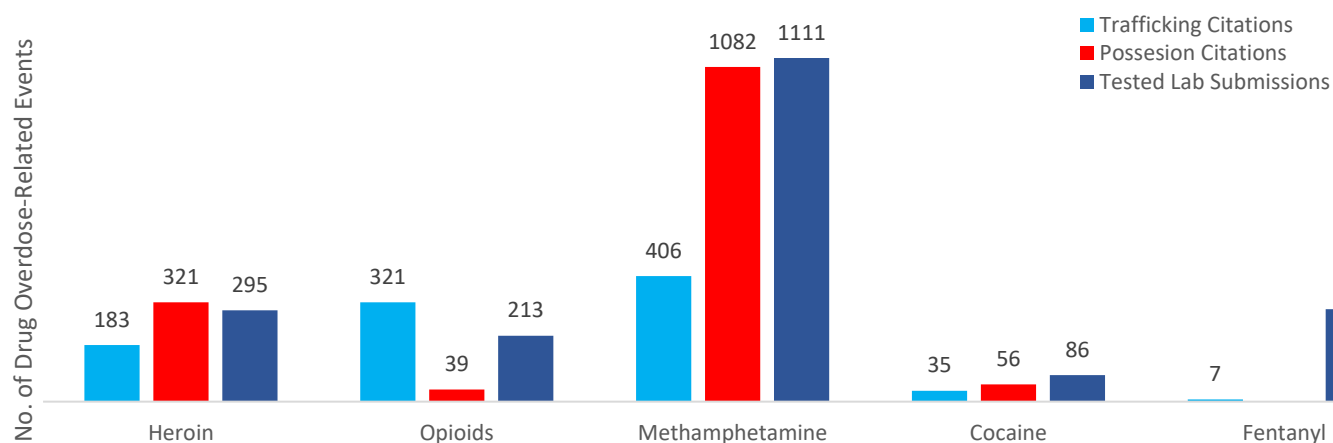
Substance Use-Related Event Change, 2017–2019

 Increasing Events	 Decreasing Events	 No Change in Events
Heroin: Trafficking, Possessions, and Deaths Opioids: Trafficking, Possessions, Labs, and Deaths Methamphetamine: Trafficking, Possessions, Labs, and Deaths Fentanyl and fentanyl-related analogs: Labs, and Deaths	Heroin: Labs and ED Visits Opioids: ED Visits and Hospitalizations Cocaine: Trafficking, Possessions, Labs, Deaths, ED Visits, and Hospitalizations Fentanyl and fentanyl-related analogs: Trafficking	Heroin: Hospitalizations

KSP Post 14

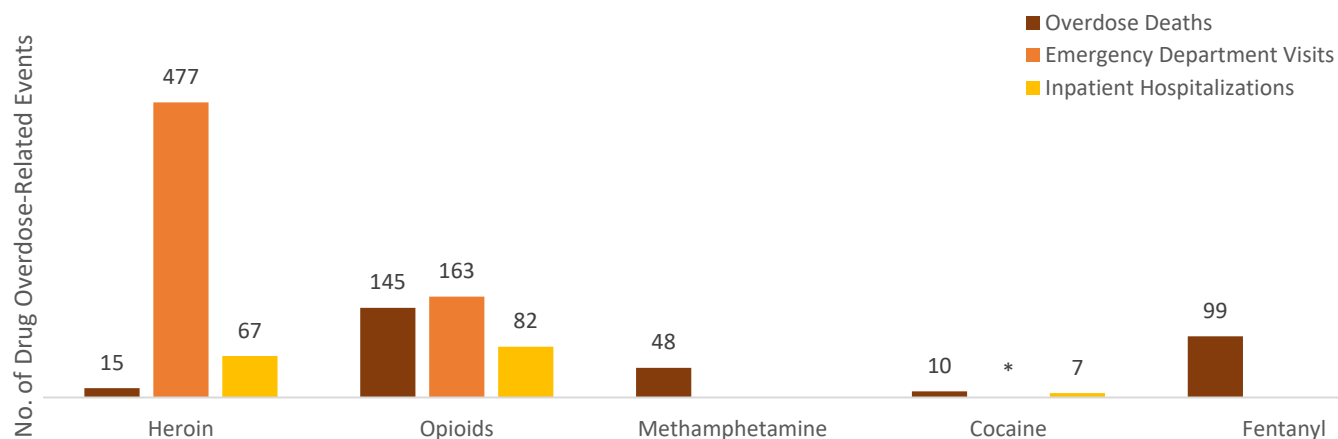
Boyd, Carter, Greenup, and Lawrence Counties

Public Safety Indicators, 2017–2019






Note: There are no KRS codes for fentanyl possession.

Public Health Indicators, 2017–2019



Notes: An asterisk (*) represents suppressed counts greater than zero but less than five, per data suppression agreements. Emergency department and hospitalization data are not available for methamphetamine, fentanyl, and fentanyl-related analogs.

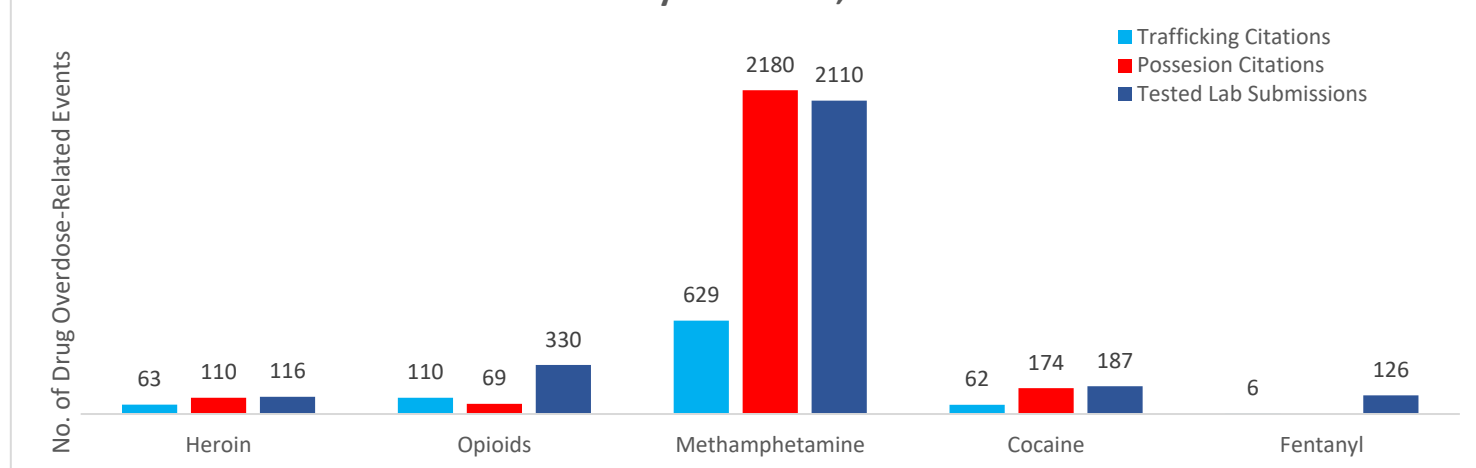
Substance Use-Related Event Change, 2017–2019

 Increasing Events	 Decreasing Events	 No Change in Events
Heroin: Trafficking, Possessions, and Labs Opioids: Trafficking and Deaths Methamphetamine: Trafficking, Possessions, Labs, and Deaths Cocaine: Trafficking, Possessions, Labs, Deaths, ED Visits, and Hospitalizations Fentanyl and fentanyl-related analogs: Deaths, Trafficking, Labs, and Deaths	Heroin: Deaths, ED Visits, and Hospitalizations Opioids: Labs, ED Visits, and Hospitalizations	Opioids: Possessions

KSP Post 15

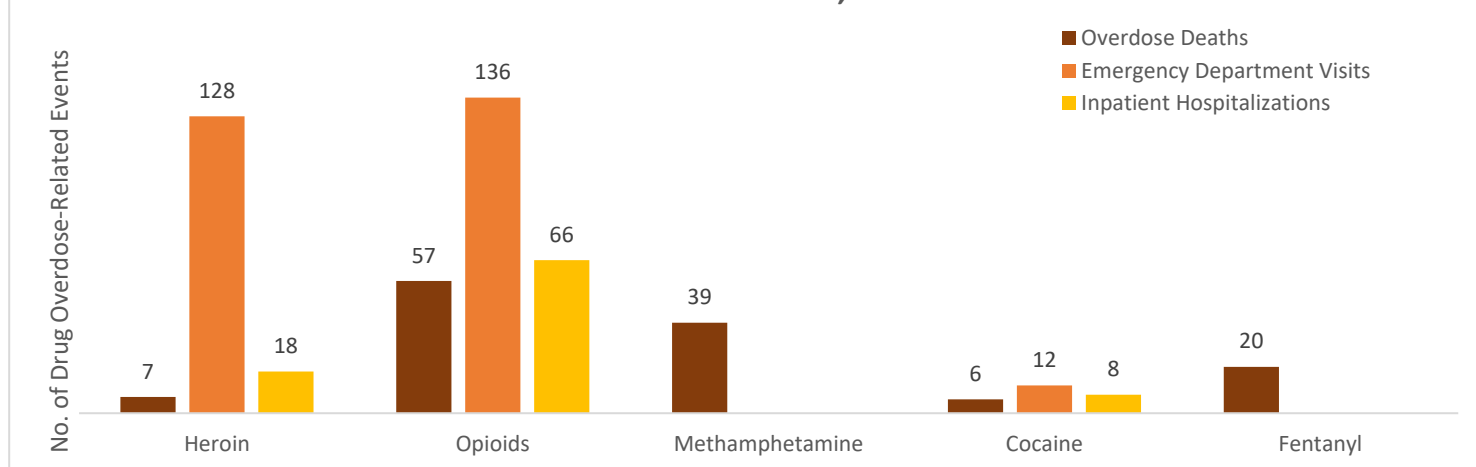
Adair, Casey, Clinton, Cumberland, Green, Marion, Metcalfe, Monroe, Russell, Taylor, and Washington Counties

Public Safety Indicators, 2017–2019






Note: There are no KRS codes for fentanyl possession.

Public Health Indicators, 2017–2019



Note: Emergency department and hospitalization data are not available for methamphetamine, fentanyl, and fentanyl-related analogs.

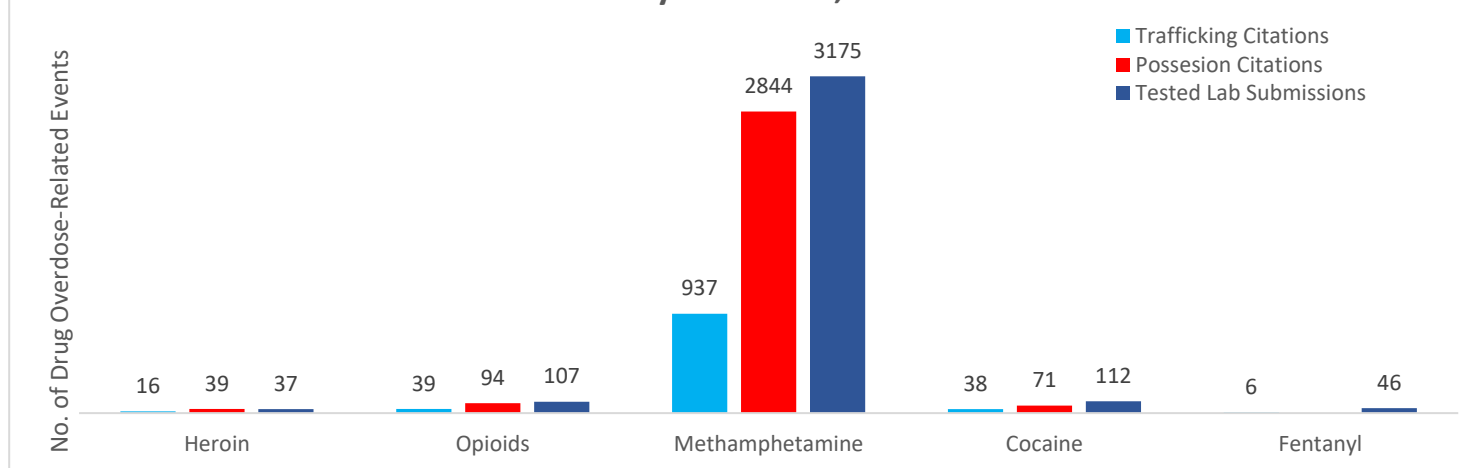
Substance Use-Related Event Change, 2017–2019

 Increasing Events	 Decreasing Events	 No Change in Events
Heroin: Possessions, Labs, ED Visits, and Hospitalizations Opioids: Hospitalizations Methamphetamine: Trafficking, Possessions, Labs, and Deaths Cocaine: Trafficking and Labs Fentanyl and fentanyl-related analogs: Trafficking and Labs	Heroin: Trafficking Opioids: Trafficking, Possessions, Labs, Deaths, and ED Visits Cocaine: Possessions, Deaths, ED Visits, and Hospitalizations	Heroin: Deaths Cocaine: Lab Submissions Fentanyl and fentanyl-related analogs: Deaths

KSP Post 16

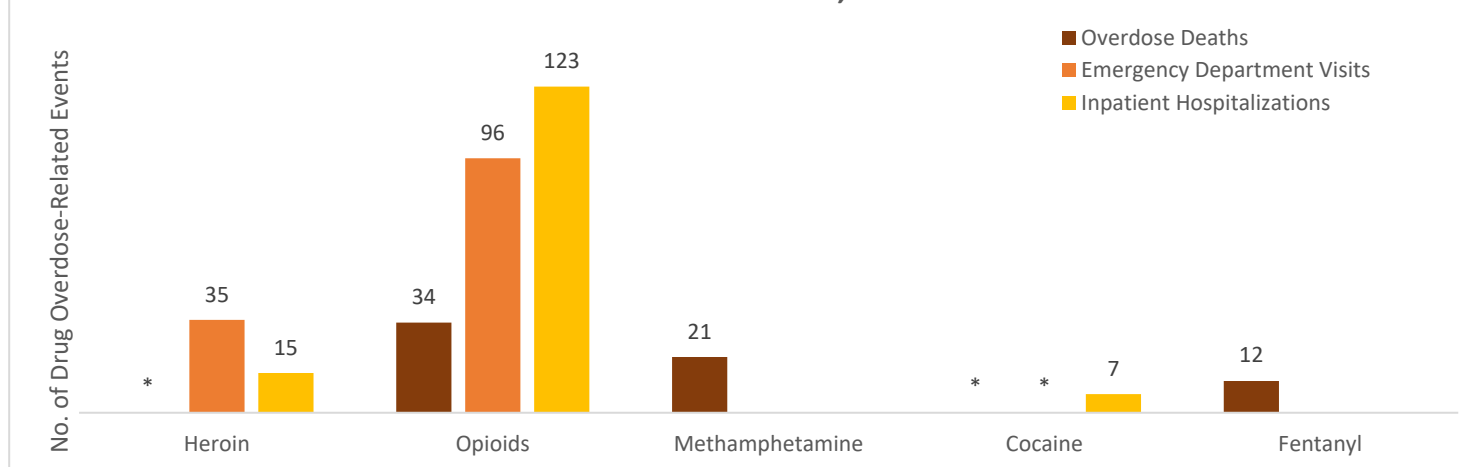
Daviess, Hancock, Henderson, McLean, Ohio, and Union Counties

Public Safety Indicators, 2017–2019






Note: There are no KRS codes for fentanyl possession.

Public Health Indicators, 2017–2019



Notes: An asterisk (*) represents suppressed counts greater than zero but less than five, per data suppression agreements. Emergency department and hospitalization data are not available for methamphetamine, fentanyl, and fentanyl-related analogs.

Substance Use Related-Event Change, 2017–2019

 Increasing Events	 Decreasing Events	 No Change in Events
Heroin: Possessions and Labs Methamphetamine: Trafficking, Possessions, and Labs Cocaine: Labs Fentanyl and fentanyl-related analogs: Trafficking and Labs	Heroin: Trafficking, Deaths, ED Visits, and Hospitalizations Opioids: Trafficking, Possessions, Labs, Deaths, ED Visits, and Hospitalizations Methamphetamine: Trafficking Cocaine: Trafficking, Possessions, Deaths, ED Visits, and Hospitalizations Fentanyl and fentanyl-related analogs: Deaths	Methamphetamine: Deaths

Data Evaluation Survey



We would like to hear your feedback on the Kentucky Substance Use and Enforcement (K-SURE) briefs and other outputs you use. This will help us improve future K-SURE briefs, stakeholder engagement, dissemination, and audience receptivity.

https://uky.az1.qualtrics.com/jfe/form/SV_bDzBAIOXZprzO85



Thank you in advance!

- The K-SURE Team -