



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 Four-Year Review of Substance Use and Distribution in Kentucky, 2017–2020

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

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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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Data Evaluation Survey



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

find the survey here:

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

Thank you in advance!

- The K-SURE Team -





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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 2017–2020. The first section of this report provides descriptions and definitions of data used to describe drug-related outcomes in Kentucky. The second section highlights annual statewide substance use-related event changes, general drug overdose outcomes, and tested lab submissions from 2017–2020. 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 2017–2020 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 direction of change in these outcomes from 2019 to 2020.



DATA SOURCES

Multi-source drug-related surveillance data were compiled for 2017–2020 and aggregated at the Kentucky State Police post level. Surveillance data sources included the Kentucky Open Portal System; Kentucky Death Certificate Database; Kentucky Outpatient Services Database; 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 (ED) visits and drug overdose related inpatient 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

	ED Visits	Inpatient Hospitalizations	Deaths	Possession Citations	Trafficking Citations	Crime Lab Submissions
Heroin	T40.1	T40.1	T40.1	KRS: 35120, 35121, 42195, 42196, 42205, 42206	KRS: 35100, 35101, 42105, 42106, 42376, 42377, 42378, 42379, 42466, 42468, 42470, 42480, 42483, 42486	Tested lab submissions represent those substances submitted to the lab for identification purposes; quantity is not reflected.
Opioid (nonheroin)	T40.0, T40.2, T40.3, T40.4, T40.60, T40.69	T40.0, T40.2, T40.3, T40.4, T40.60, T40.69	T40.0, T40.2, T40.3, T40.4, T40.6	KRS: 35220, 35221, 42197, 42198, 42209, 42210, 42237, 42238, 42246	KRS: 35200, 35201, 42109, 42110, 42372, 42373, 42374, 42375, 42435, 42436, 42437, 42438, 42137, 42138	
Methamphetamine			Text scan	KRS: 42187, 42188, 42215, 42216	KRS: 42113, 42114, 42290, 42291, 42364, 42365, 42366, 42367	
Cocaine	T40.5	T40.5	T40.5	KRS: 35320, 35321, 42193, 42194, 42203, 42204	KRS: 35300, 35301, 42103, 42104, 42368, 42369, 42370, 42371	
Fentanyl and Fentanyl Analogues			T404 and text scan; Fentanyl Analogs: Methylfentanyl, Methoxybutyrylfentan- yl, Acetylfentanyl, Acrylfentanyl, Hydroxythiofentanyl, Butyrylfentanyl, Carfentanil, Furanylfentanyl, Para_1, Para_2, U47700		KRS: 42465, 42472, 42474, 42476, 42478, 42590, 42593, 42596, 42599	
General Drug Overdose	T36--T50, T369, T379, T399, T414, T427, T439, T459, T479, T499	T36--T50, T369, T379, T399, T414, T427, T439, T459, T479, T499	X40--X44, X60-- X64, X85, Y10--Y14			



Data Sources	Kentucky Outpatient Services Database, Office of Health Data and Analytics, Cabinet for Health and Family Services	Kentucky Inpatient Hospitalization Claim Files, Kentucky Office of Health Data and Analytics, Cabinet for Health and Family Services	Kentucky Death Certificate Database, Office of Vital Statistics, Cabinet for Health and Family Services	Kentucky Open Portal System, Kentucky State Police	Kentucky Open Portal System, Kentucky State Police	Kentucky State Police Crime Laboratory
Notes	<p>Drug overdose-related ED visits represent encounters of care among Kentucky residents and could be greater than the number of individual patients treated.</p> <p>Drug-related ED visits are based on ICD-10-CM discharge billing codes. Data are provisional and subject to change.</p>	<p>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. Drug-related inpatient hospitalizations are based on ICD-10-CM discharge billing codes. Data are provisional and subject to change.</p>	<p>Deaths are based on drug overdose-related deaths among Kentucky residents. Deaths may involve more than one drug. Deaths are based on ICD-10 codes. Data are provisional and subject to change.</p>	<p>Possession citations reflect violations of Kentucky Revised Statutes. 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.</p>	<p>Trafficking citations reflect violations of Kentucky Revised Statutes. 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.</p>	<p>Lab data represent submissions tested within the corresponding time frame; submission date is not reflected. Data are provisional and subject to change.</p>



STATEWIDE SUBSTANCE USE



Statewide Substance Use-Related Event Change, 2017–2020

Substance	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 Services Database, Cabinet for Health and Family Services, Office of Health Data and Analytics; Kentucky Inpatient Hospitalization Claims Files, Cabinet for Health and Family Services, Kentucky Office of Health Data and Analytics; Kentucky State Police Crime Laboratory.

Drug-Related Trafficking Citations among Kentucky Residents, 2017–2020

Substance	2017	2018	2019	2020
Heroin-Related	1,291	1,322	1,096	846
Opioid-Related	333	269	210	134
Methamphetamine-Related	3,840	4,552	4,395	3,124
Cocaine-Related	1,038	988	775	393
Fentanyl/Fentanyl Analog-Related	73	136	211	179

Opioid-related events reflect nonheroin opioids. Data are provisional and subject to change. Trafficking citations reflect violations of Kentucky Revised Statutes. The number of citations could be greater than the number of individuals cited; citations are with over 90% of law enforcement agencies reporting. General drug-related trafficking citations are not available for reporting. Data source: Kentucky Open Portal System, Kentucky State Police.

Drug-Related Possession Citations among Kentucky Residents, 2017–2020

Substance	2017	2018	2019	2020
Heroin-Related	3,218	3,045	2,638	2,452
Opioid-Related	759	690	584	473
Methamphetamine-Related	10,185	12,591	13,544	10,526
Cocaine-Related	1,828	1,842	1,524	907
Fentanyl/Fentanyl Analog-Related	N/A	N/A	N/A	N/A

Opioid-related events reflect nonheroin opioids. Data are provisional and subject to change. Possession citations reflect violations of Kentucky Revised Statutes. The number of citations could be greater than the number of individuals cited; citations are with over 90% of law enforcement agencies reporting. General drug-related possession citations are not available for reporting. Data source: Kentucky Open Portal System, Kentucky State Police.



Drug Overdose-Related Deaths among Kentucky Residents, 2017–2020

Substance	2017	2018	2019	2020
General Overdose	1,477	1,250	1,316	1,965
Heroin-Related	242	130	143	111
Opioid-Related	1,002	905	967	1,588
Methamphetamine-Related	269	305	383	586
Cocaine-Related	169	120	112	166
Fentanyl/Fentanyl Analog-Related	685	660	731	1,344

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.

Drug Overdose-related Emergency Department Visits among Kentucky Residents, 2017–2020

Substance	2017	2018	2019	2020
General Overdose	14,354	11,932	11,418	12,957
Heroin-Related	5,313	3,646	3,279	3,759
Opioid-Related	1,783	1,525	1,655	2,587
Cocaine-Related	118	118	84	80

Opioid-related events reflect nonheroin opioids. 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 source: Kentucky Outpatient Services Database, Cabinet for Health and Family Services, Office of Health Data and Analytics.

Drug Overdose-Related Inpatient Hospitalizations among Kentucky Residents, 2017–2020

Substance	2017	2018	2019	2020
General Overdose	6,304	5,500	5,061	5,079
Heroin-Related	598	363	354	422
Opioid-Related	1,193	1,056	903	982
Cocaine-Related	203	163	132	124

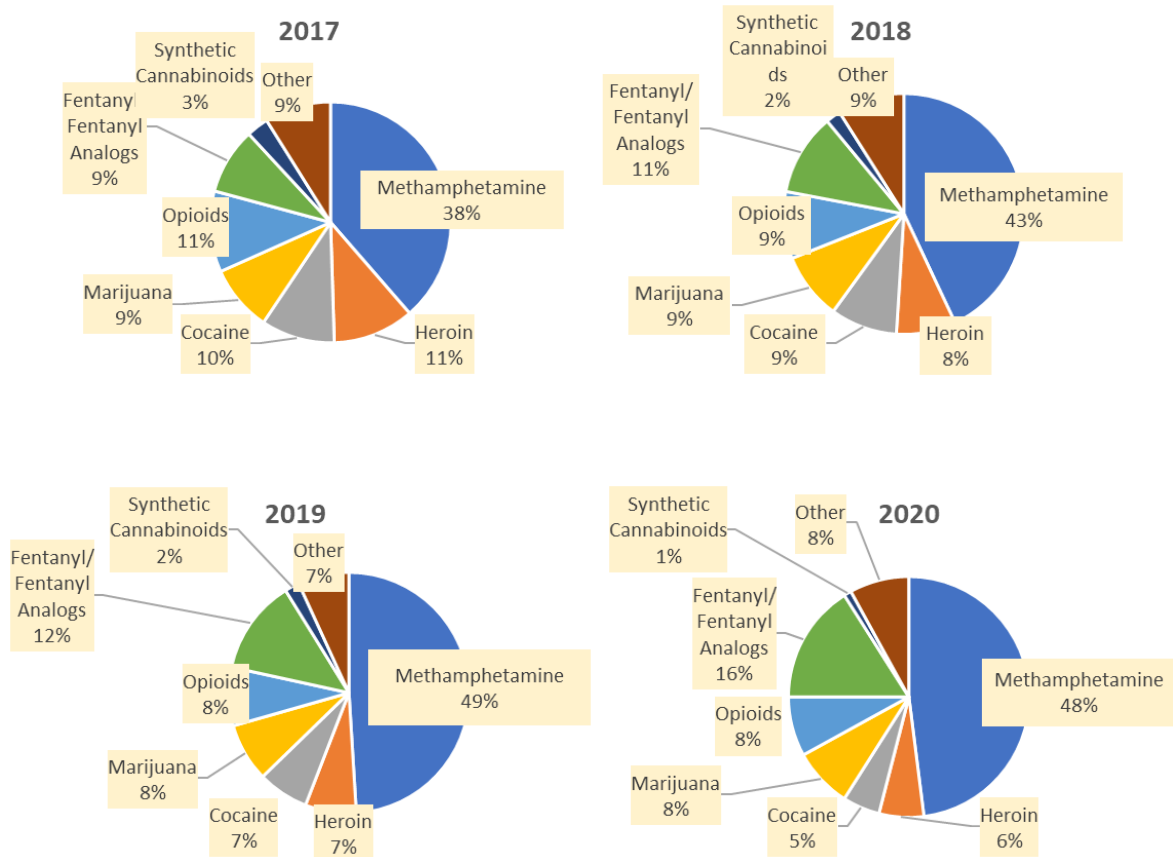
Opioid-related events reflect nonheroin opioids. Data are provisional and subject to change. Drug overdose-related hospitalizations represent encounters of care among Kentucky residents and could be greater than the number of individual patients treated in acute care facilities. Data source: Kentucky Inpatient Hospitalization Claim Files, Kentucky Office of Health Data and Analytics, Cabinet for Health and Family Services.



Tested Lab Submissions to Kentucky State Police Crime Laboratories, 2017–2020

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 2020.

KSP Tested Lab Submissions, 2017–2020



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.

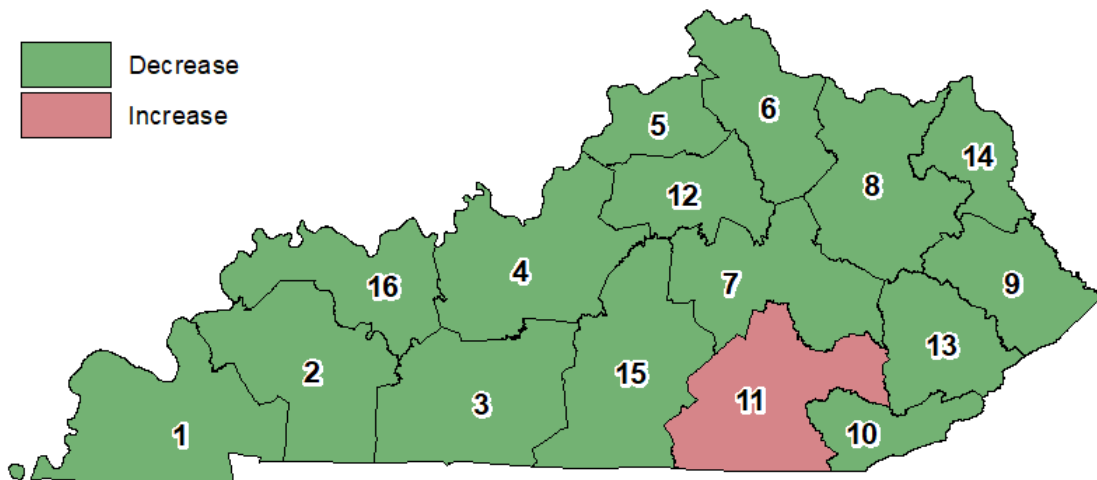
- Heroin has slightly decreased in tested lab submissions from 2017–2020.
- Slightly fewer opioids have been found in tested lab submissions from 2017 to 2020.
- Methamphetamine continues to rise and remains the most commonly found in KSP laboratories' submissions, accounting for 48% of total tested lab submissions in 2020. The crime laboratories identified several polysubstance mixtures, such as methamphetamine/gabapentin mixtures and methamphetamine/tramadol mixtures.
- Cocaine positive submissions to the laboratories have decreased to slightly over 1,400 submissions in 2020. From 2017 through 2020, the presence of cocaine has decreased in total tested lab submissions.
- Fentanyl- and fentanyl analog-positive tests have steadily increased from 9% in 2017 to 16% in 2020.
- 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 around 150 individual substances, including gabapentin, diazepam, and alprazolam.



DRUG-RELATED MAPS

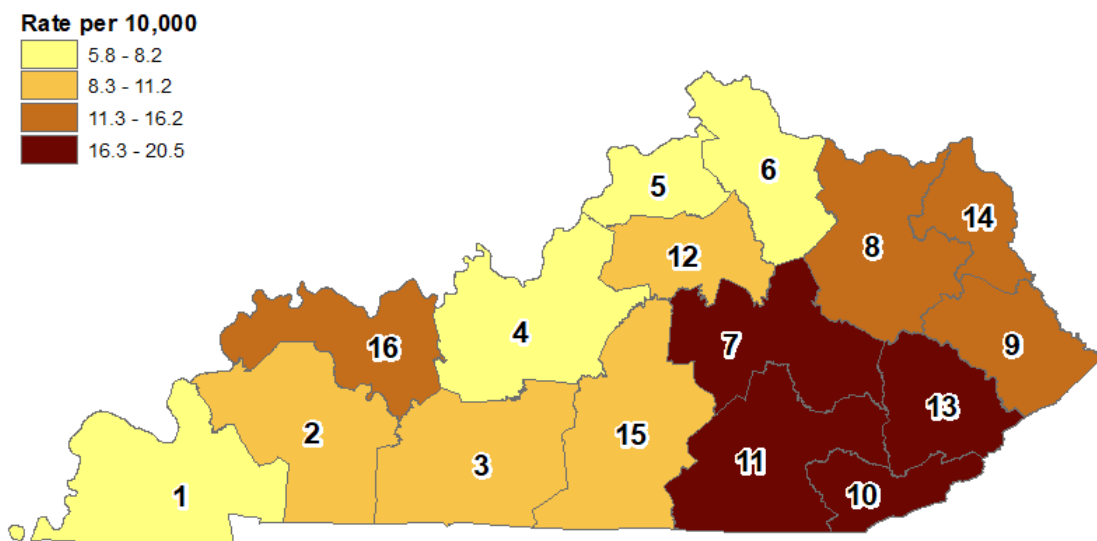


Change in Drug Trafficking Citations from 2019–2020 by Kentucky State Police Post



Data are provisional and subject to change. Produced by the Kentucky Substance Use Research & Enforcement (K-SURE) Collaborative. September 2021. Data source: Kentucky Open Portal System, Kentucky State Police.

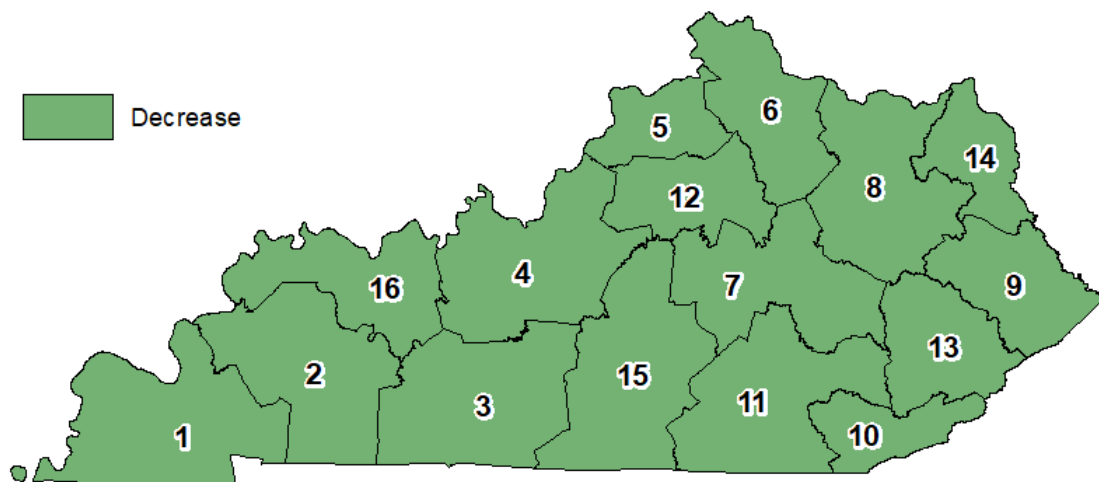
Drug Trafficking Citation Rates by Kentucky State Police Post, 2020



Trafficking citation rates are based off the violation counts for the following Kentucky Revised Statutes (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, 42137, 42138, 42113, 42114, 42290, 42291, 42364, 42365, 42366, 42367, 35300, 35301, 42103, 42104, 42368, 42369, 42370, 42371, 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. September 2021. Data sources: Kentucky Open Portal System, Kentucky State Police; 2020 Census State Redistricting Data, Kentucky State Data Center.



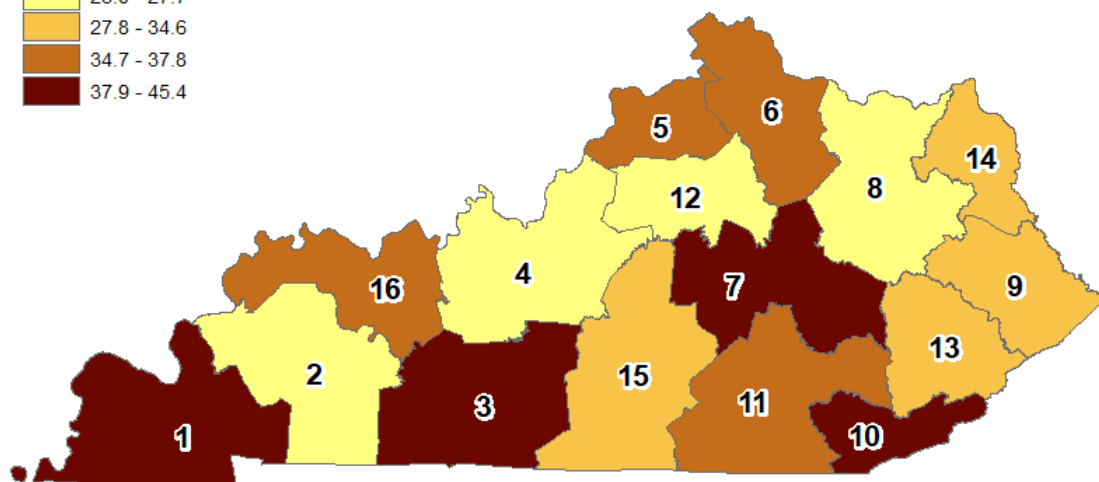
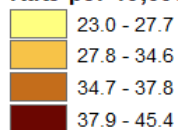
Change in Drug Possession Citations from 2019–2020 by Kentucky State Police Post



Data are provisional and subject to change. Produced by the Kentucky Substance Use Research & Enforcement (K-SURE) Collaborative. September 2021. Data source: Kentucky Open Portal System, Kentucky State Police.

Drug Possession Citation Rates by Kentucky State Police Post, 2020

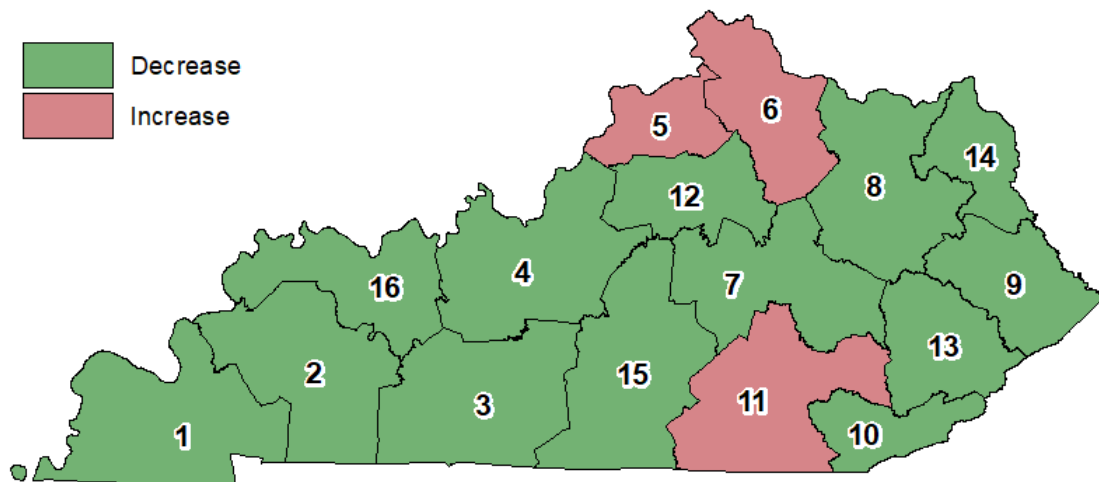
Rate per 10,000



Possession citations are based on 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. September 2021. Data sources: Kentucky Open Portal System, Kentucky State Police; 2020 Census State Redistricting Data, Kentucky State Data Center.



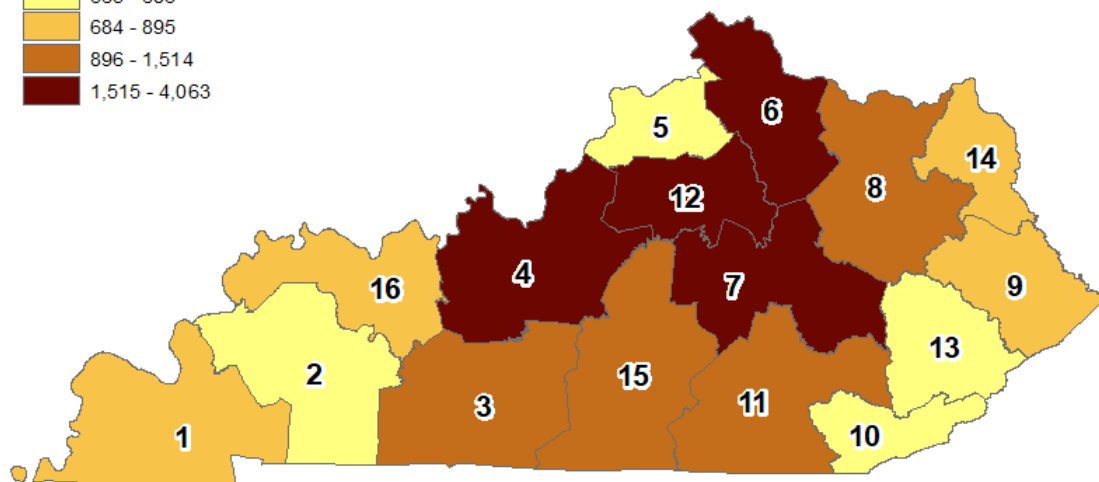
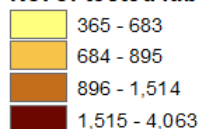
Change in Tested Lab Submissions from 2019–2020 by Kentucky State Police Post



Data are provisional and subject to change. Produced by the Kentucky Substance Use Research & Enforcement (K-SURE) Collaborative. September 2021. Data source: Kentucky State Police Crime Laboratory.

Kentucky State Police Crime Lab Tested Submissions by Kentucky State Police Post, 2020

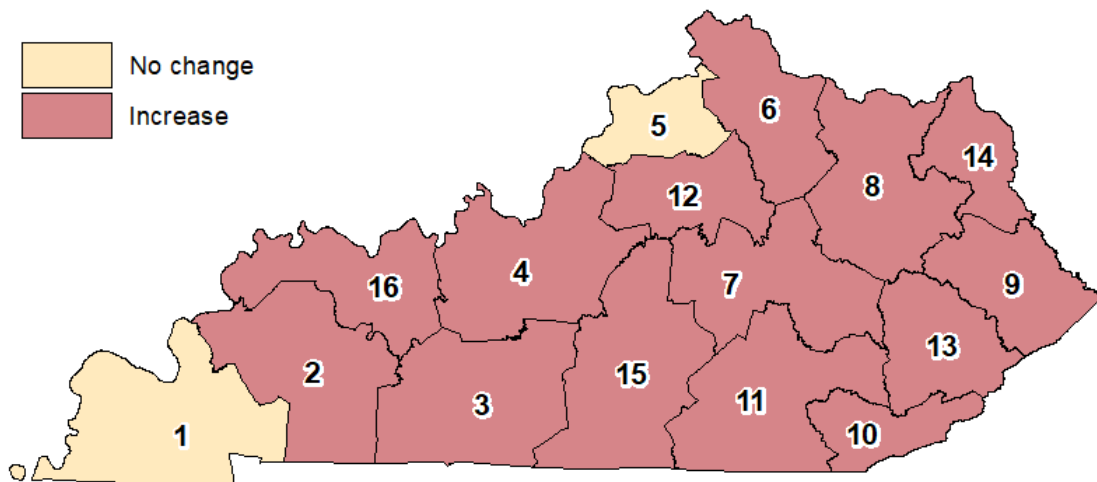
No. of tested lab submissions



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. September 2021. Data source: Kentucky State Police Crime Laboratory.

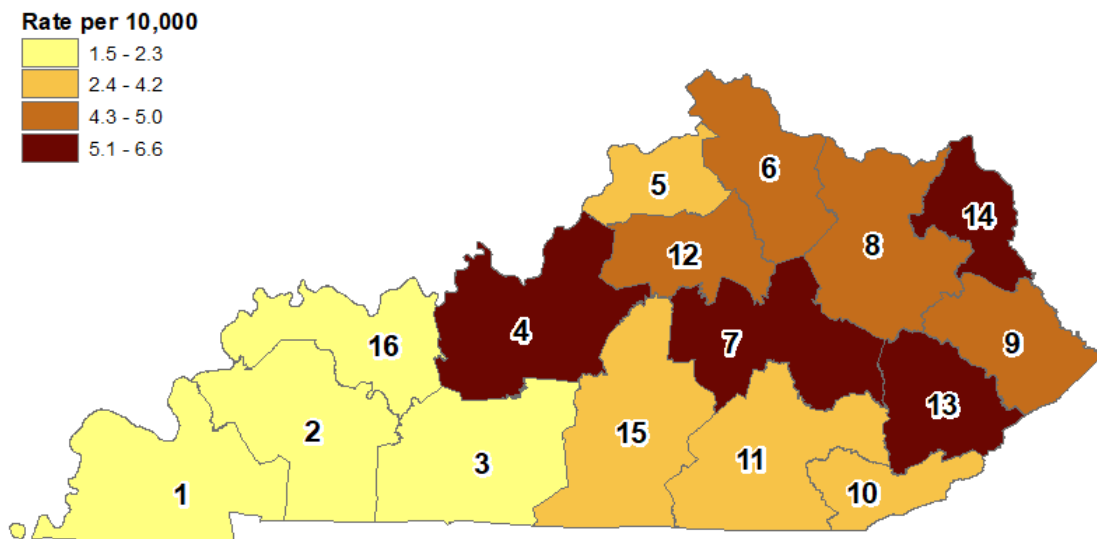


Change in Resident Drug Overdose-Related Deaths from 2019–2020 by Kentucky State Police Post



Data are provisional and subject to change. Produced by the Kentucky Substance Use Research & Enforcement (K-SURE) Collaborative. September 2021. Data source: Kentucky Death Certificate Database, Office of Vital Statistics, Cabinet for Health and Family Services.

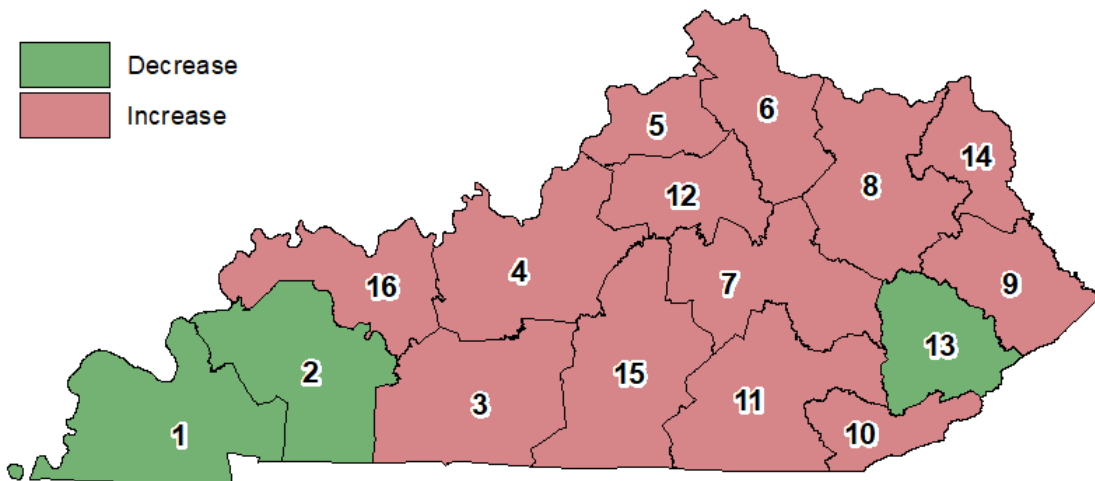
Kentucky Resident Drug Overdose-Related Death Rates by Kentucky State Police Post, 2020



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. September 2021. Data sources: Kentucky Death Certificate Database, Office of Vital Statistics, Cabinet for Health and Family Services; 2020 Census State Redistricting Data, Kentucky State Data Center.

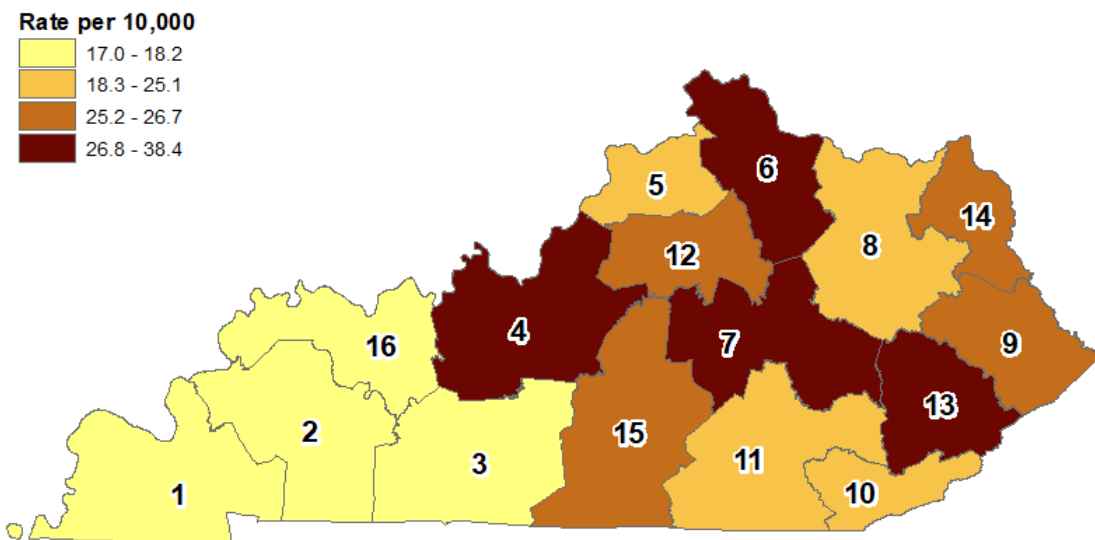


Change in Resident Drug Overdose-Related Emergency Department Visits from 2019–2020 by Kentucky State Police Post



Data are provisional and subject to change. Produced by the Kentucky Substance Use Research & Enforcement (K-SURE) Collaborative. September 2021. Data sources: Kentucky Outpatient Services Database, Office of Health Data and Analytics, Cabinet for Health and Family Services.

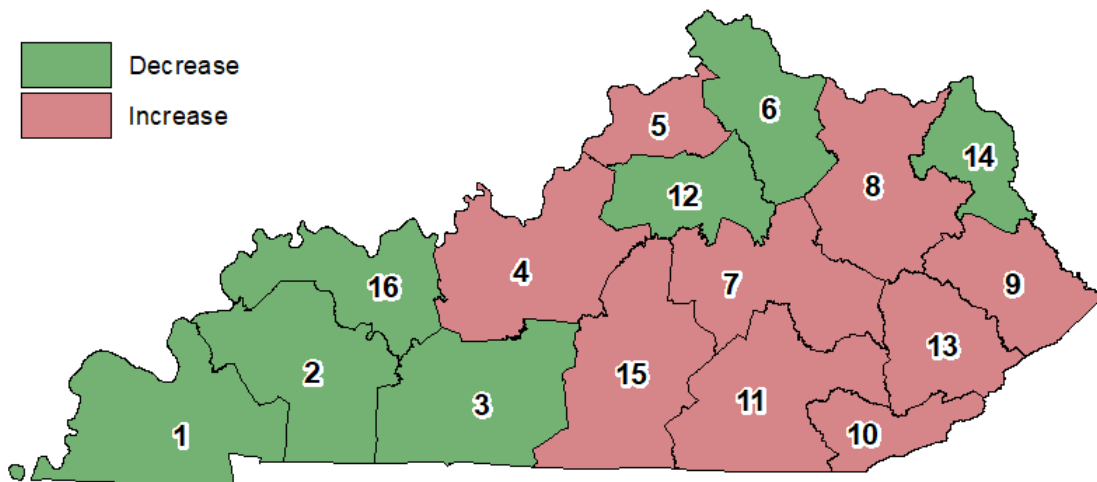
Kentucky Resident Drug Overdose-Related Emergency Department Visits Rates by Kentucky State Police Post, 2020



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. September 2021. Data sources: Kentucky Outpatient Services Database, Office of Health Data and Analytics, Cabinet for Health and Family Services; 2020 Census State Redistricting Data, Kentucky State Data Center.

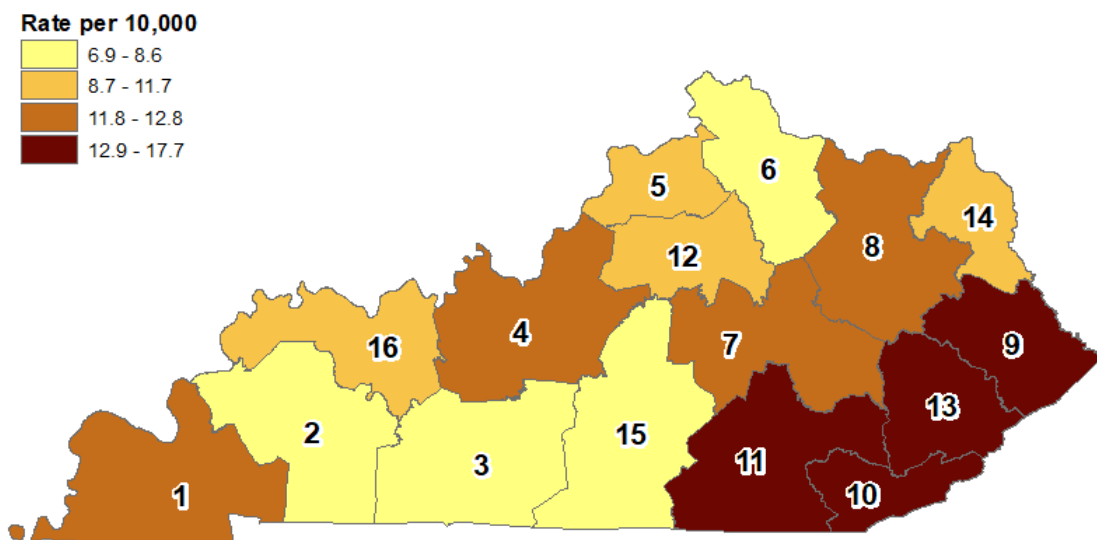


Change in Resident Drug-Overdose Related Inpatient Hospitalizations from 2019–2020 by Kentucky State Police Post.



Data are provisional and subject to change. Produced by the Kentucky Substance Use Research & Enforcement (K-SURE) Collaborative. September 2021. Data source: Kentucky Inpatient Hospitalization Claim Files, Kentucky Office of Health Data and Analytics, Cabinet for Health and Family Services.

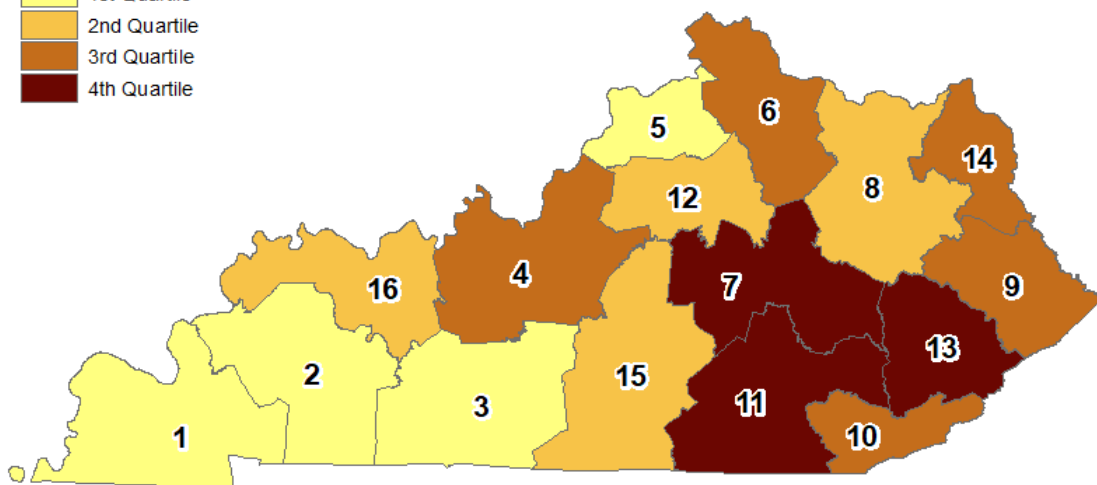
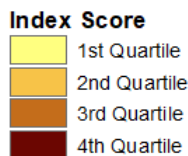
Kentucky Resident Drug Overdose-Related Inpatient Hospitalization Rates by Kentucky State Police Post, 2020



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. September 2021. Data sources: Kentucky Inpatient Hospitalization Claim Files, Kentucky Office of Health Data and Analytics, Cabinet for Health and Family Services; 2020 Census State Redistricting Data, Kentucky State Data Center.



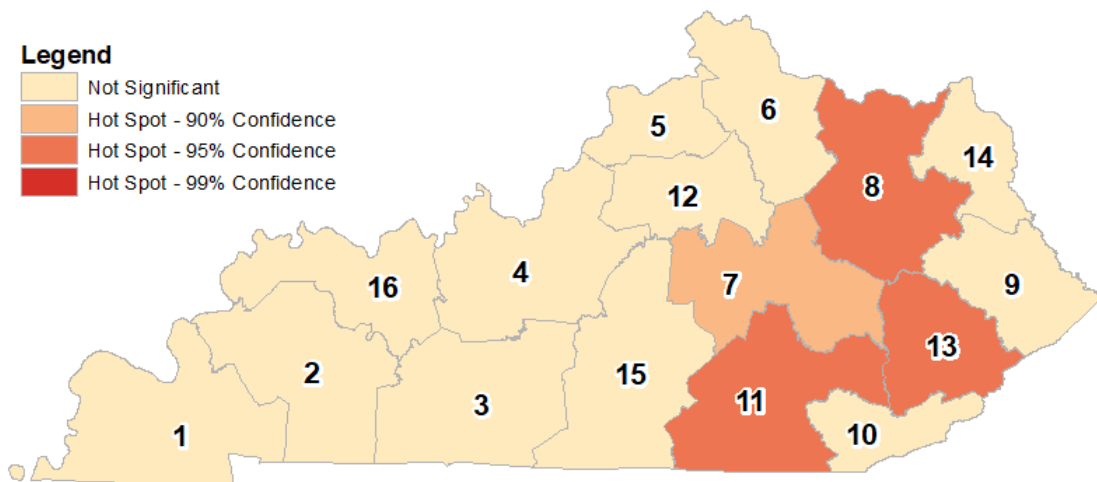
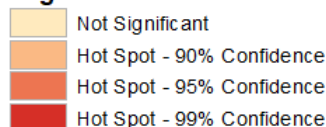
Drug Burden Risk Index Scores by Kentucky State Police Post, 2020



Index Scores are calculated by averaging the 2020 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. September 2021. 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 Services Database, Office of Health Data and Analytics, Cabinet for Health and Family Services; Kentucky Inpatient Hospitalization Claim Files, Kentucky Office of Health Data and Analytics, Cabinet for Health and Family Services; 2020 Census State Redistricting Data, Kentucky State Data Center.

Drug Burden Risk Hot Spots by Kentucky State Police Post, 2020

Legend



Hot spots are derived from Index Scores. Index Scores are calculated by averaging the 2020 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. September 2021. 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 Services Database, Office of Health Data and Analytics, Cabinet for Health and Family Services; Kentucky Inpatient Hospitalization Claim Files, Kentucky Office of Health Data and Analytics, Cabinet for Health and Family Services; 2020 Census State Redistricting Data, Kentucky State Data Center.

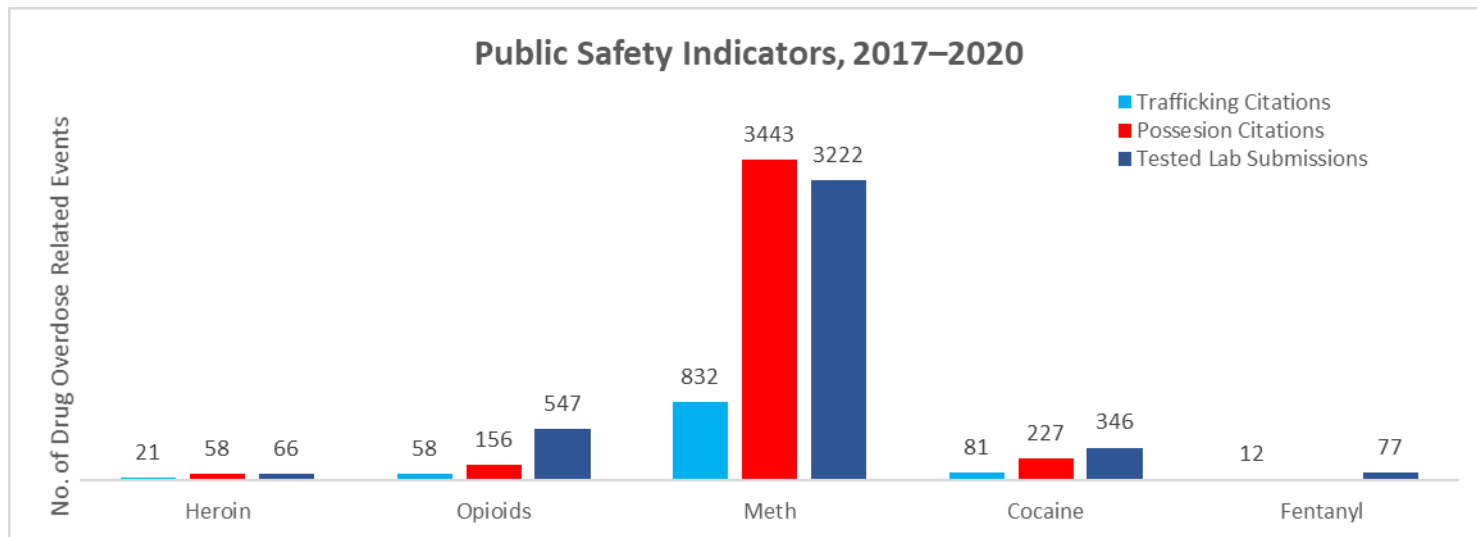


PUBLIC SAFETY AND PUBLIC HEALTH INDICATORS BY KENTUCKY STATE POLICE POST

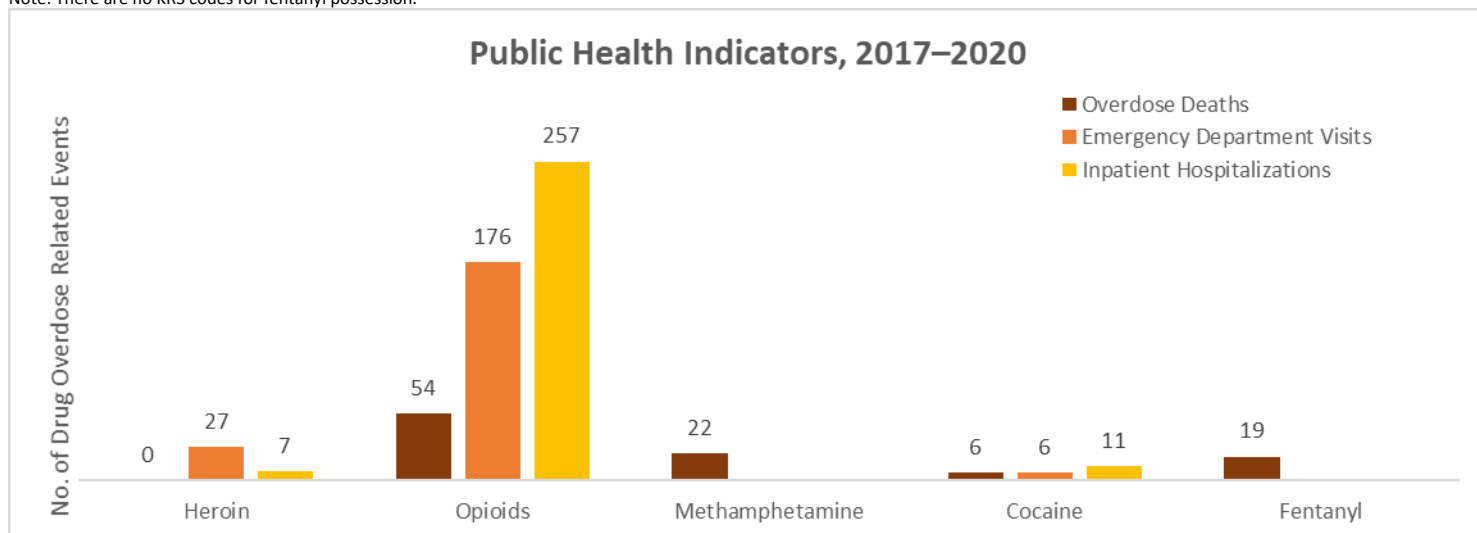


KSP Post 1

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



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.

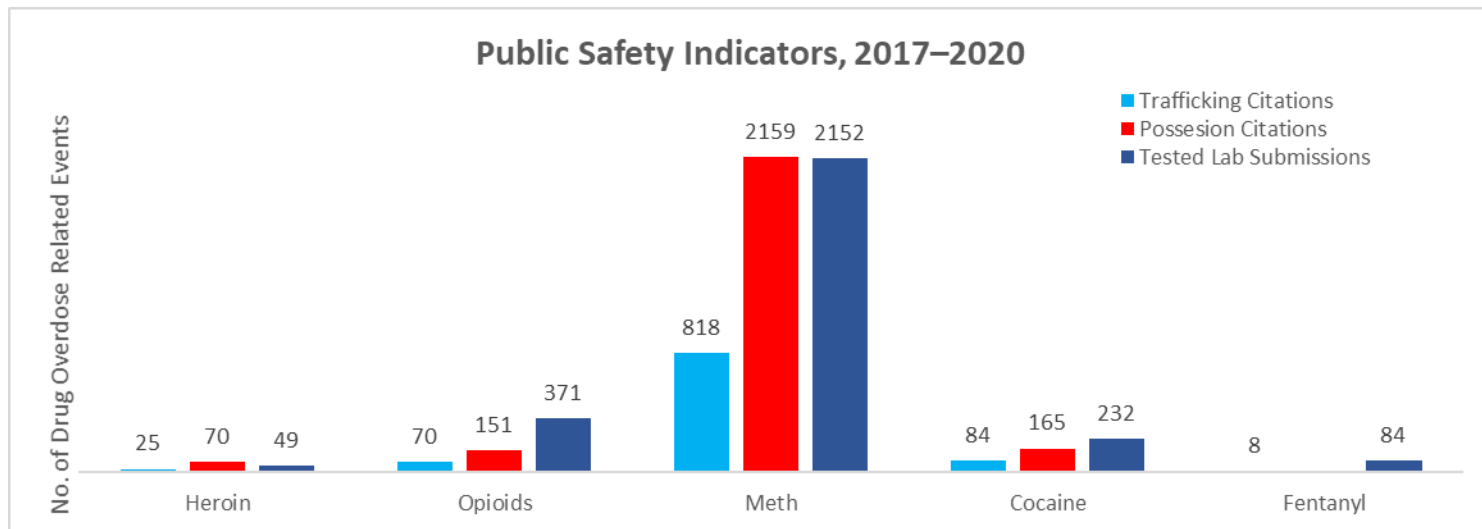
Substance Use-Related Event Change, 2019–2020

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

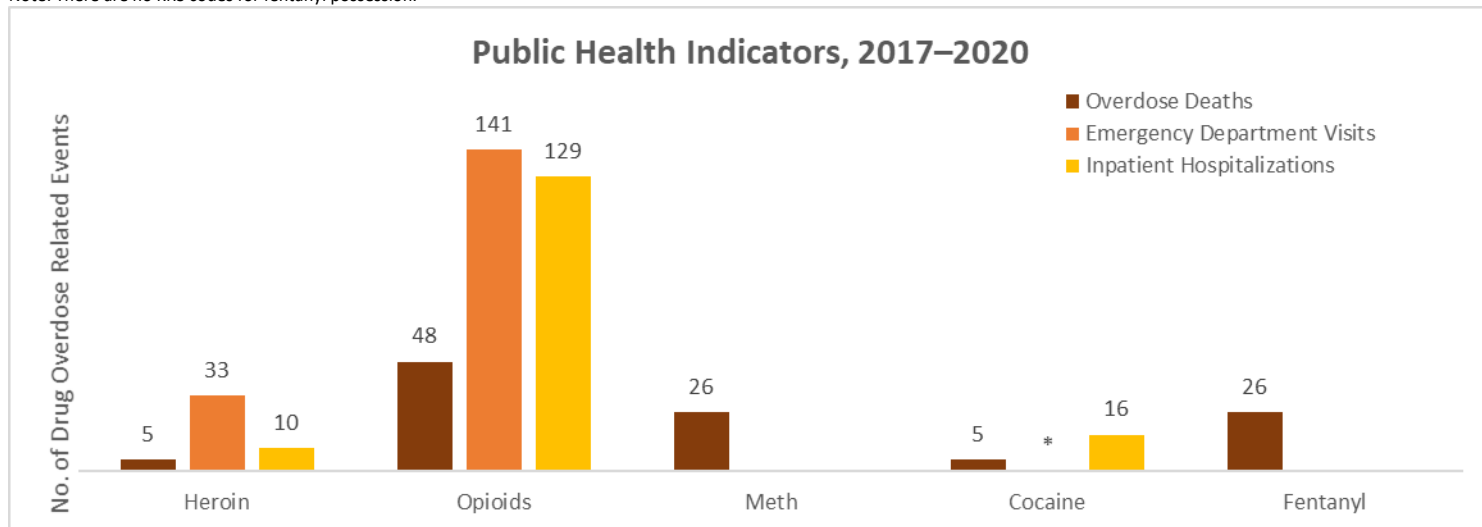


KSP Post 2

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



Note: There are no KRS codes for fentanyl possession.



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.

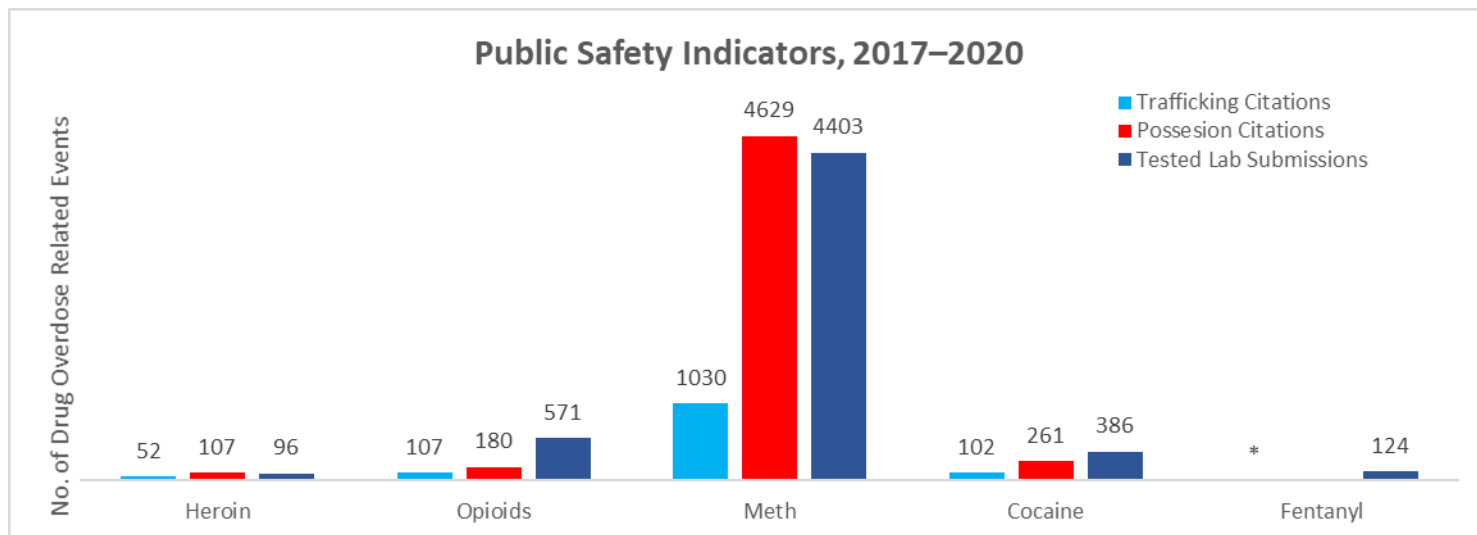
Substance Use-Related Event Change, 2019-2020

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

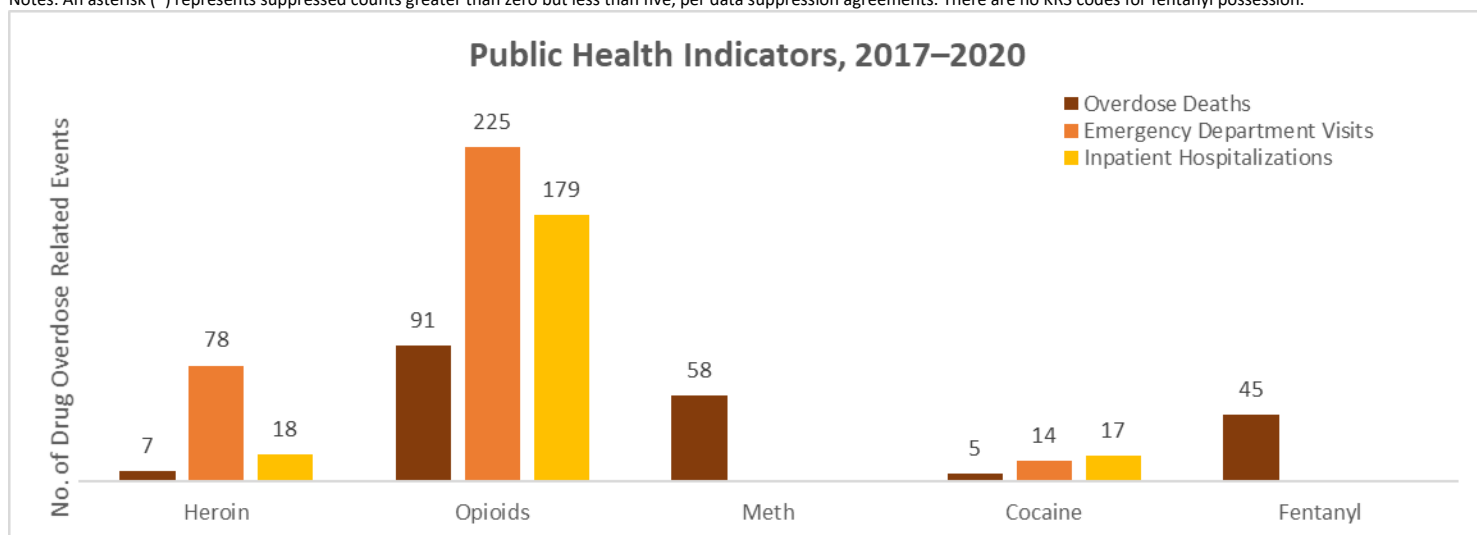


KSP Post 3

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



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.



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

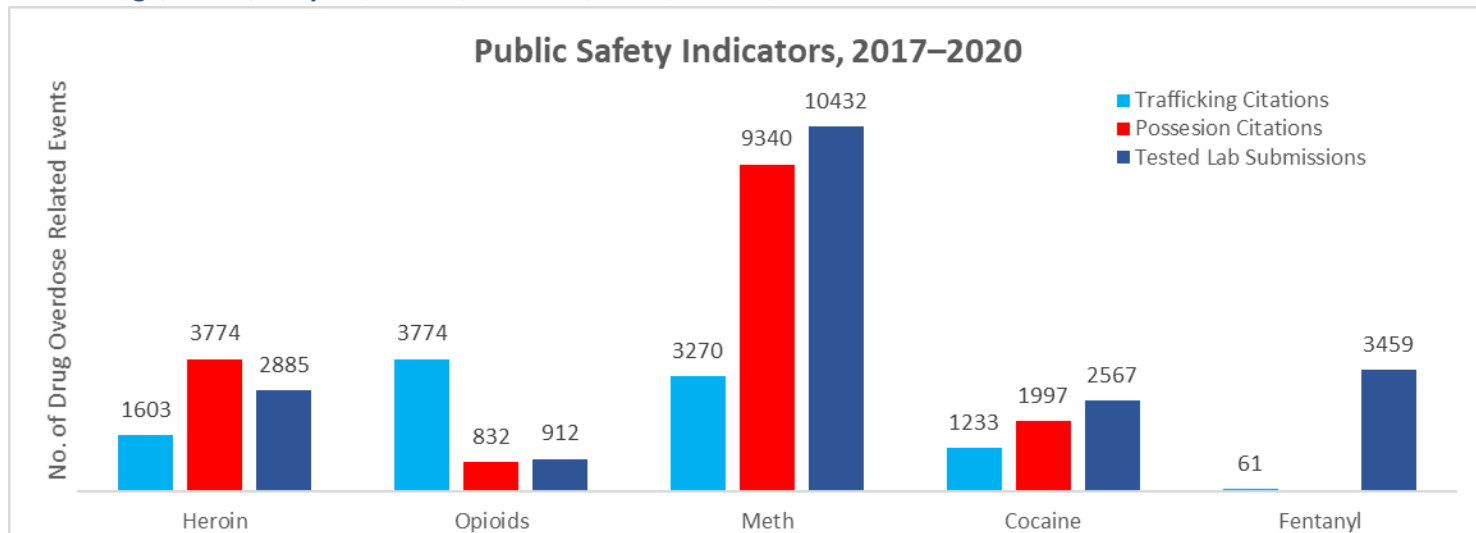
Substance Use-Related Event Change, 2019–2020

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

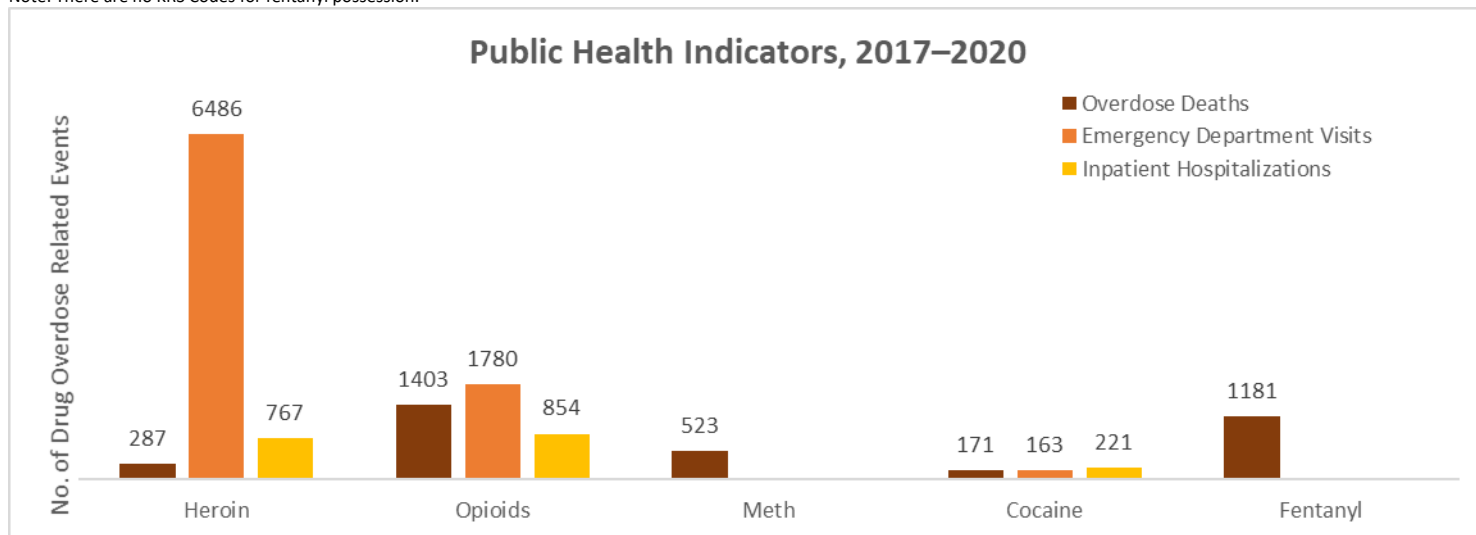


KSP Post 4

Breckinridge, Bullitt, Grayson, Hardin, Jefferson, Larue, Meade, and Nelson 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, 2019–2020

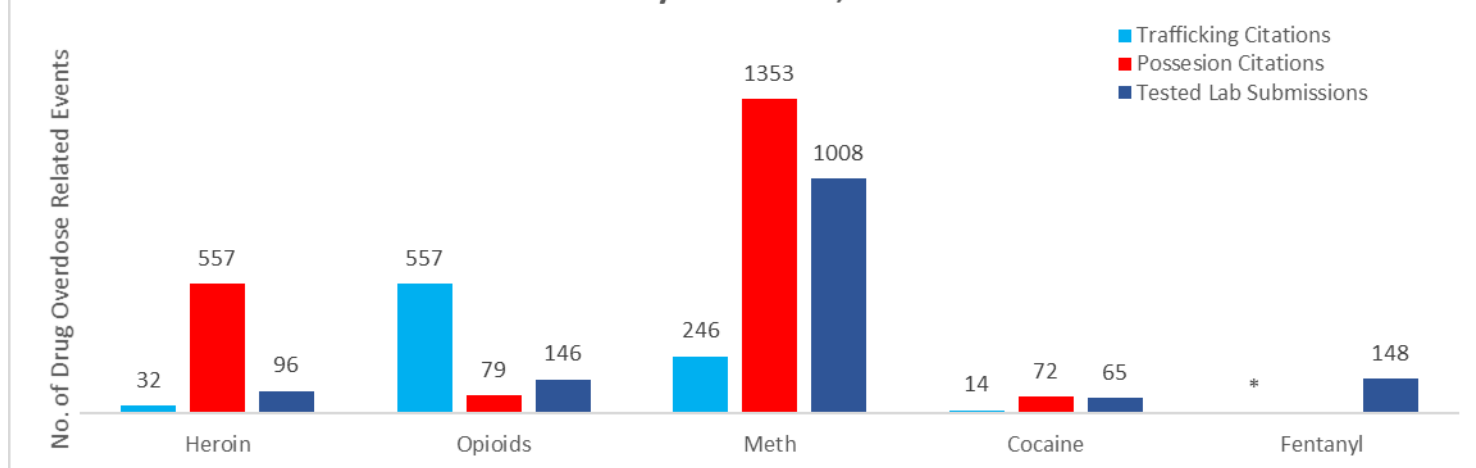
↑ Increasing Events	↓ Decreasing Events	= No Change in Events
Heroin: ED Visits and Hospitalizations Opioids: Trafficking, Possessions, and Labs Methamphetamine: Deaths Fentanyl and Fentanyl-Related Analogs: Deaths Cocaine: Deaths, ED Visits, and Hospitalizations	Heroin: Trafficking, Possessions, Labs,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



KSP Post 5

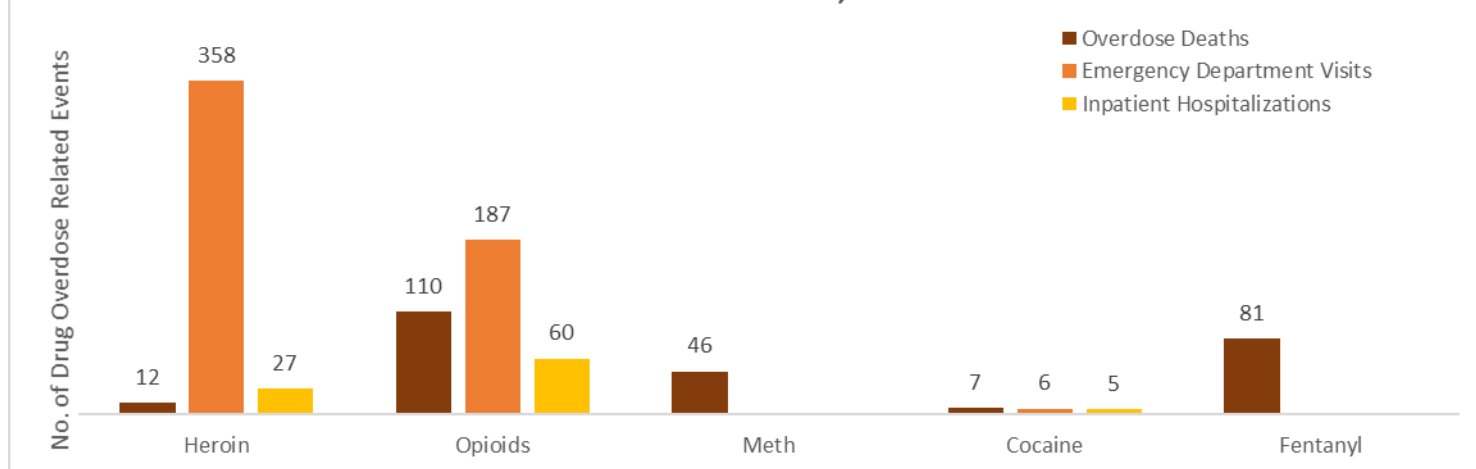
Carroll, Gallatin, Henry, Oldham, Owen, and Trimble Counties

Public Safety Indicators, 2017–2020



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, 2017–2020



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, 2019–2020

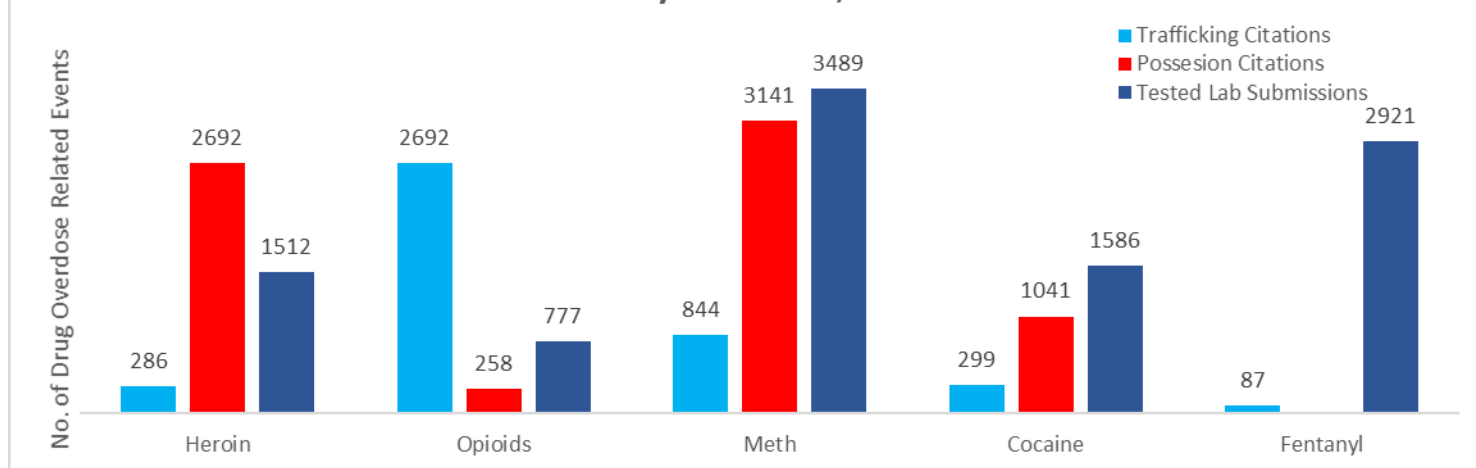
↑ Increasing Events	↓ Decreasing Events	= No Change in Events
Heroin: Trafficking, Possessions, Labs, ED Visits, and Hospitalizations Opioids: Deaths, ED Visits, and Labs Methamphetamine: Possessions, Trafficking, and Deaths Cocaine: Possessions and Labs Fentanyl and Fentanyl-Related Analogs: Deaths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



KSP Post 6

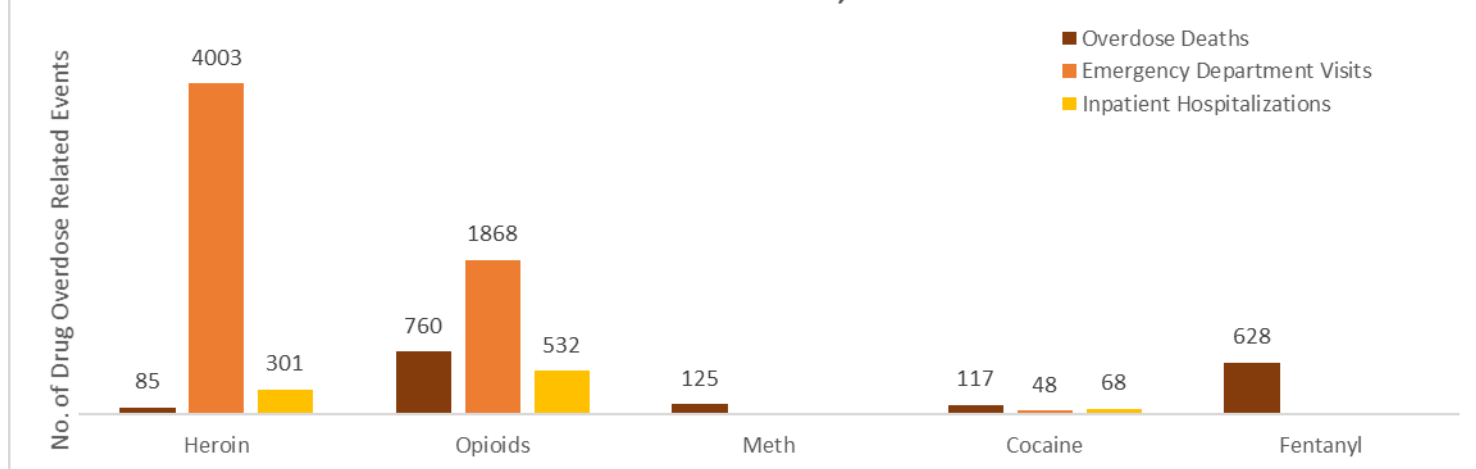
Boone, Bourbon, Bracken, Campbell, Grant, Harrison, Kenton, Nicholas, Pendleton, and Robertson Counties

Public Safety Indicators, 2017–2020



Note: There are no KRS codes for fentanyl possession.

Public Health Indicators, 2017–2020



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

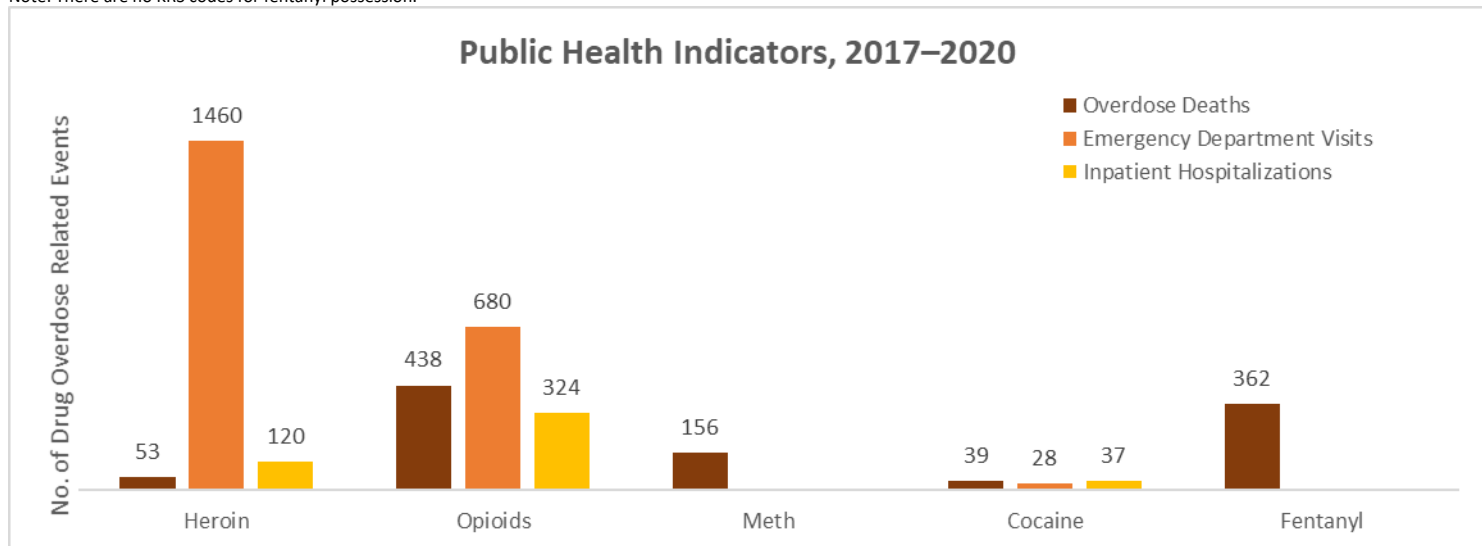
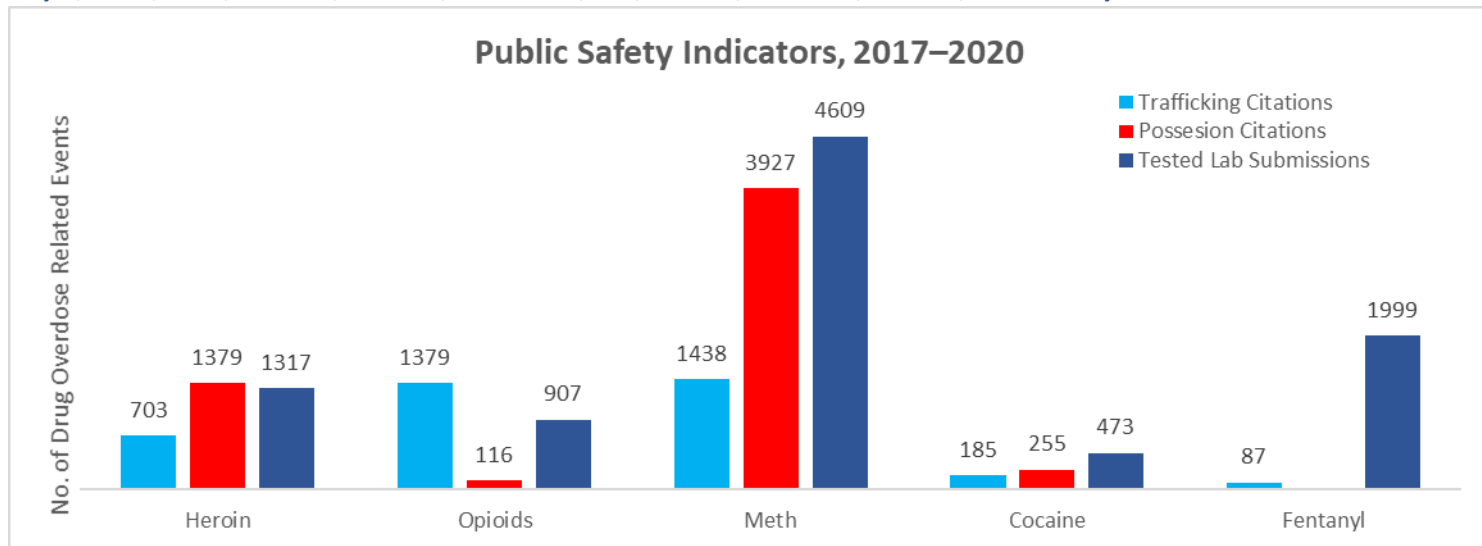
Substance Use-Related Event Change, 2019–2020

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



KSP Post 7

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



Substance Use-Related Event Change, 2019–2020

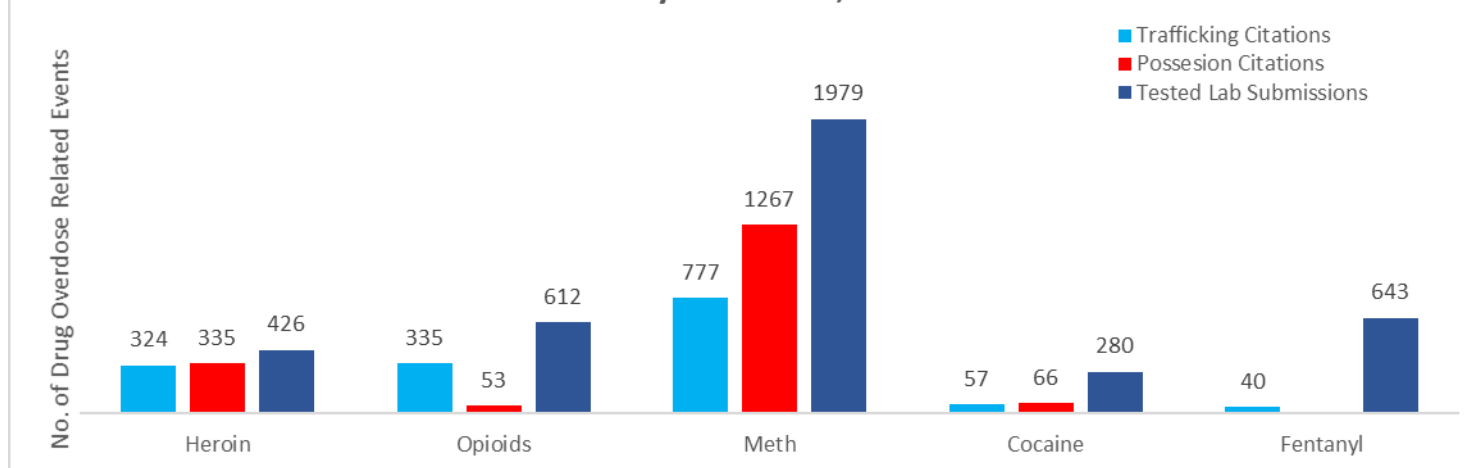
Increasing Events	Decreasing Events	No Change in Events
Heroin: Trafficking, Possessions, Deaths, ED Visits, and Hospitalizations Opioids: Deaths, ED Visits, Hospitalizations, and Labs Methamphetamine: Deaths and Labs Cocaine: Hospitalizations Fentanyl and Fentanyl-Related Analogs: Trafficking, Labs,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



KSP Post 8

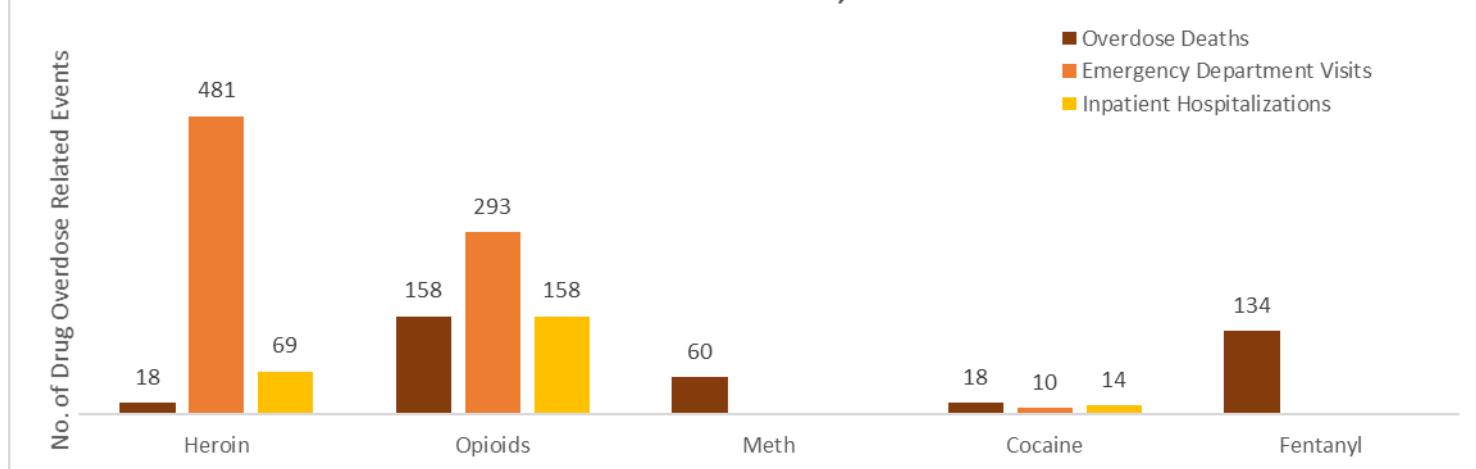
Bath, Elliott, Fleming, Lewis, Mason, Menifee, Montgomery, Morgan, Powell, Rowan, and Wolfe Counties

Public Safety Indicators, 2017–2020



Note: There are no KRS codes for fentanyl possession.

Public Health Indicators, 2017–2020



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

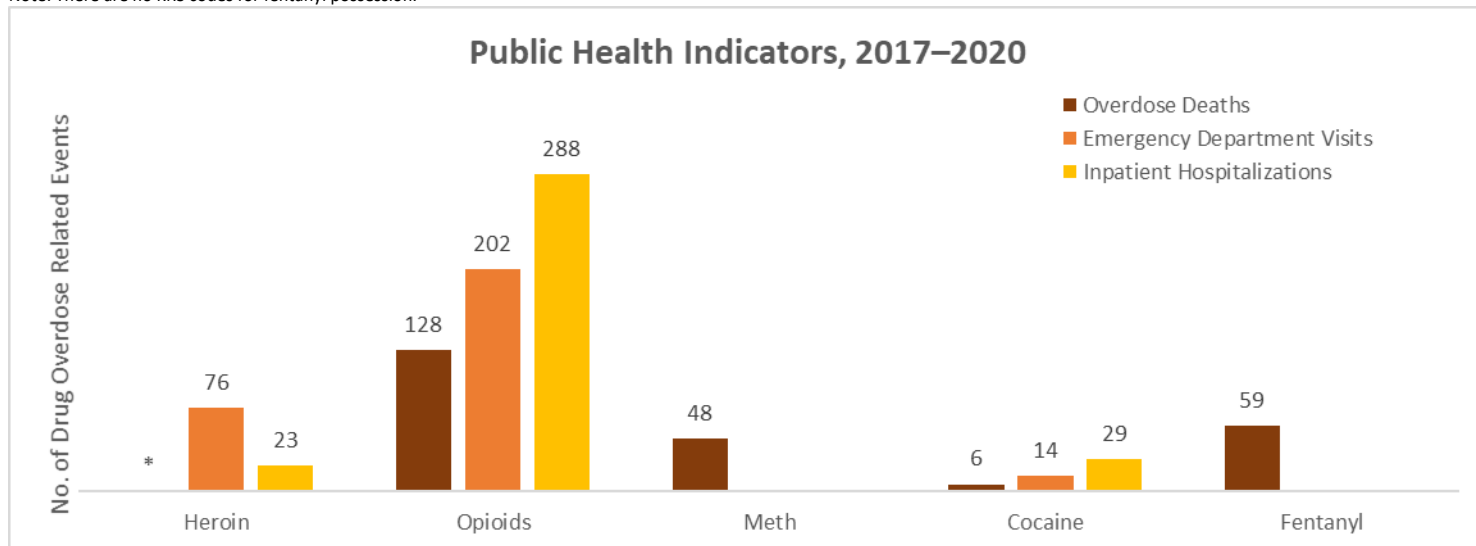
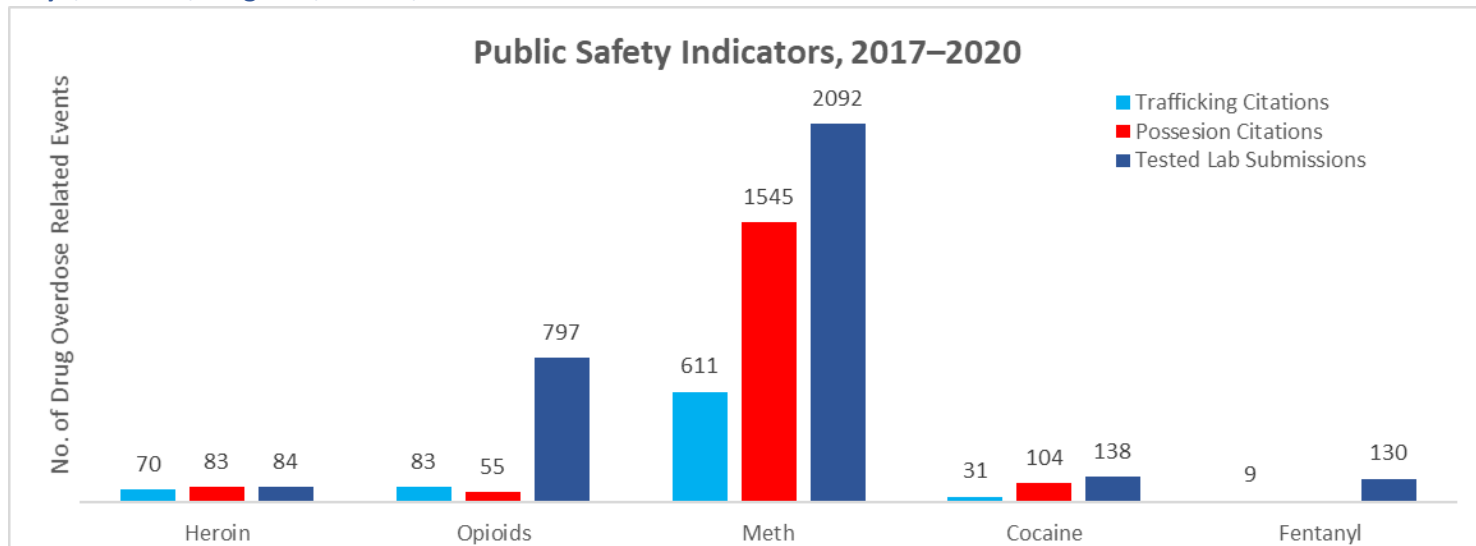
Substance Use-Related Event Change, 2019–2020

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



KSP Post 9

Floyd, Johnson, Magoffin, Martin, and Pike Counties



Substance Use-Related Event Change, 2019–2020

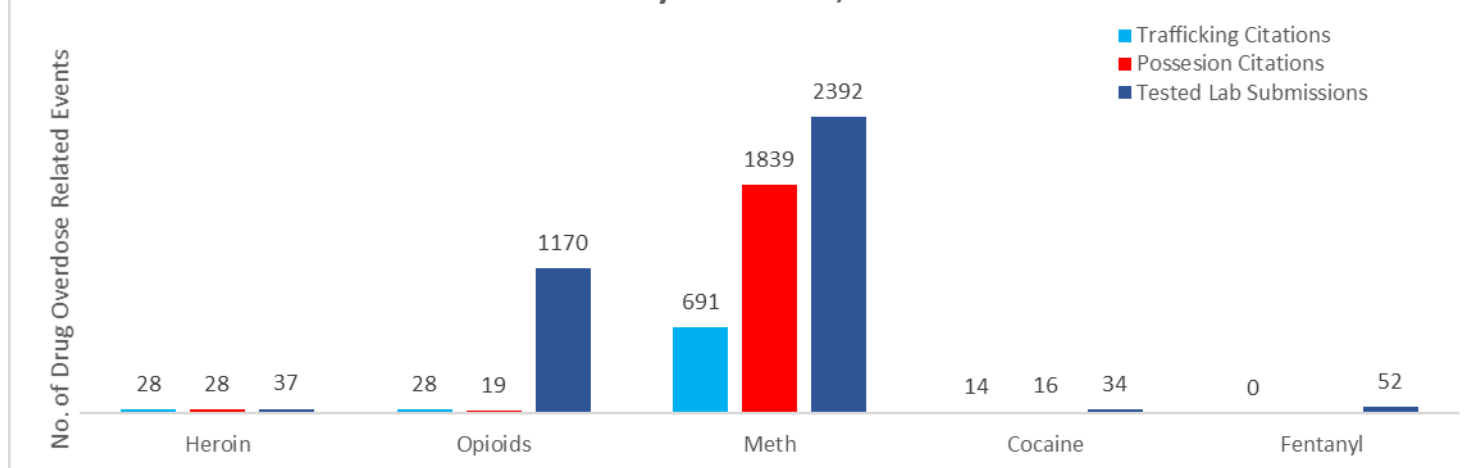
Increasing Events	Decreasing Events	No Change in Events
Heroin: Possessions, Trafficking, Labs, Deaths, ED Visits, and Hospitalizations Opioids: Deaths and ED Visits Methamphetamine: Deaths Cocaine: Deaths Fentanyl and Fentanyl related analogs: Trafficking, Labs, and Deaths	Opioids: Possessions, Trafficking,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



KSP Post 10

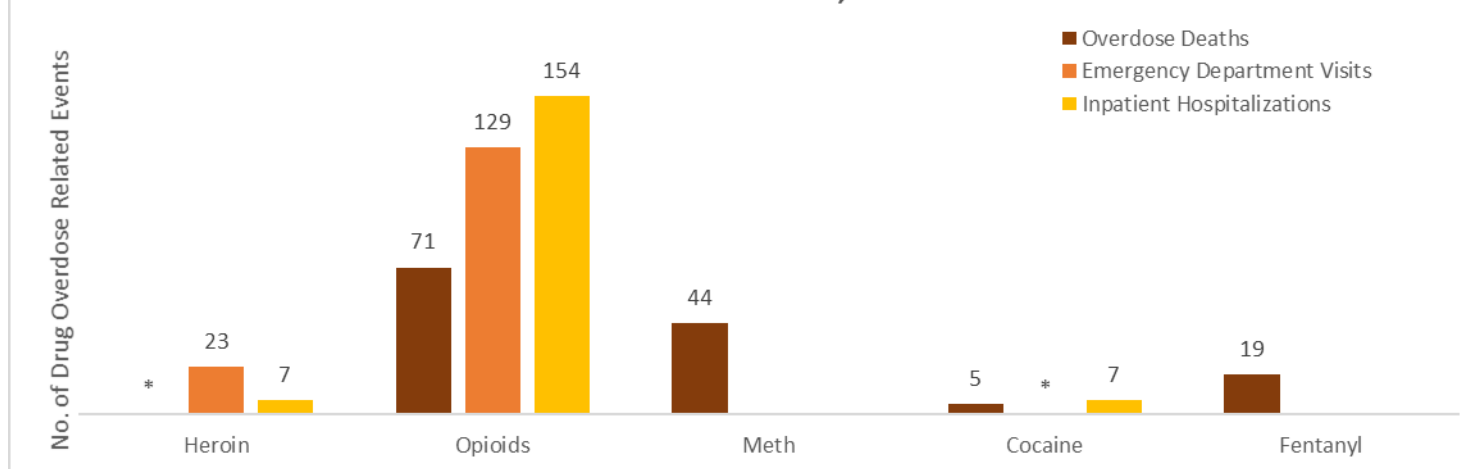
Bell, Harlan, and Knox Counties

Public Safety Indicators, 2017–2020



Note: There are no KRS codes for fentanyl possession.

Public Health Indicators, 2017–2020



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.

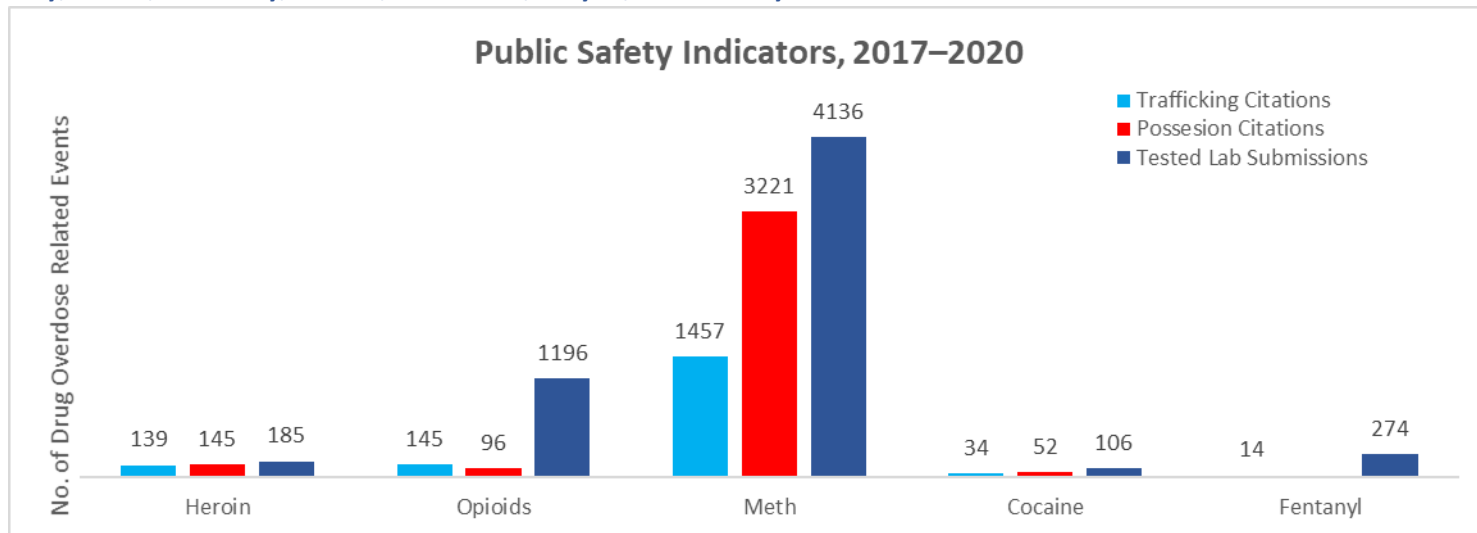
Substance Use-Related Event Change, 2019–2020

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

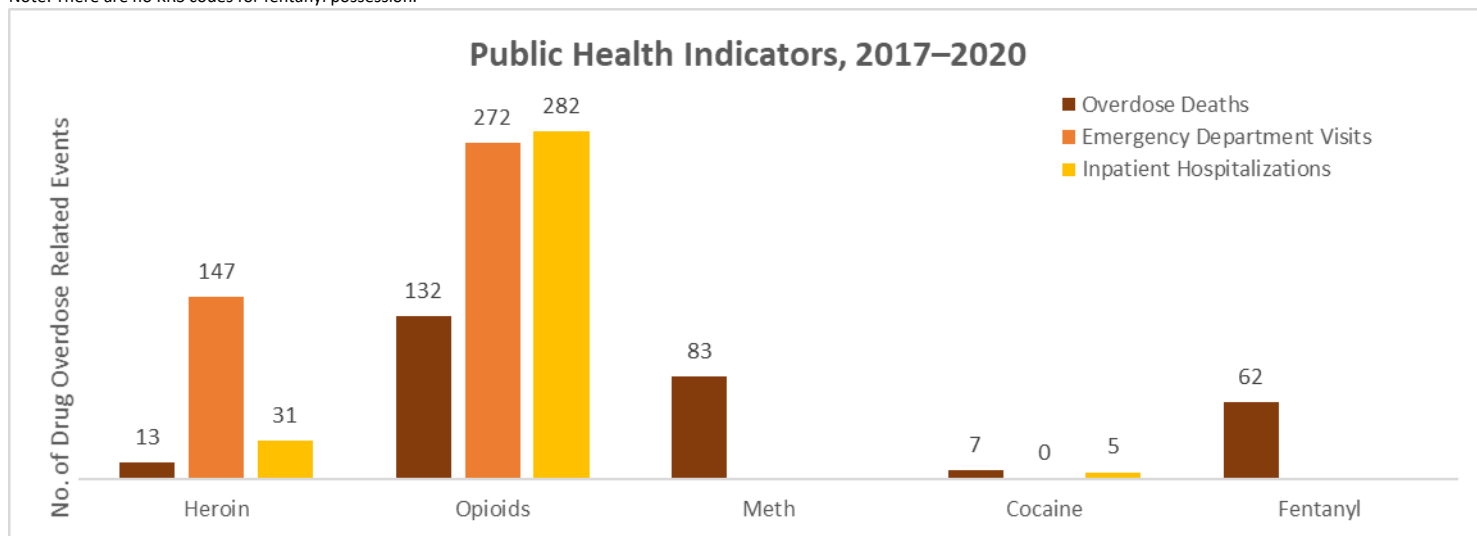


KSP Post 11

Clay, Laurel, McCreary, Pulaski, Rockcastle, Wayne, and Whitley 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, 2019–2020

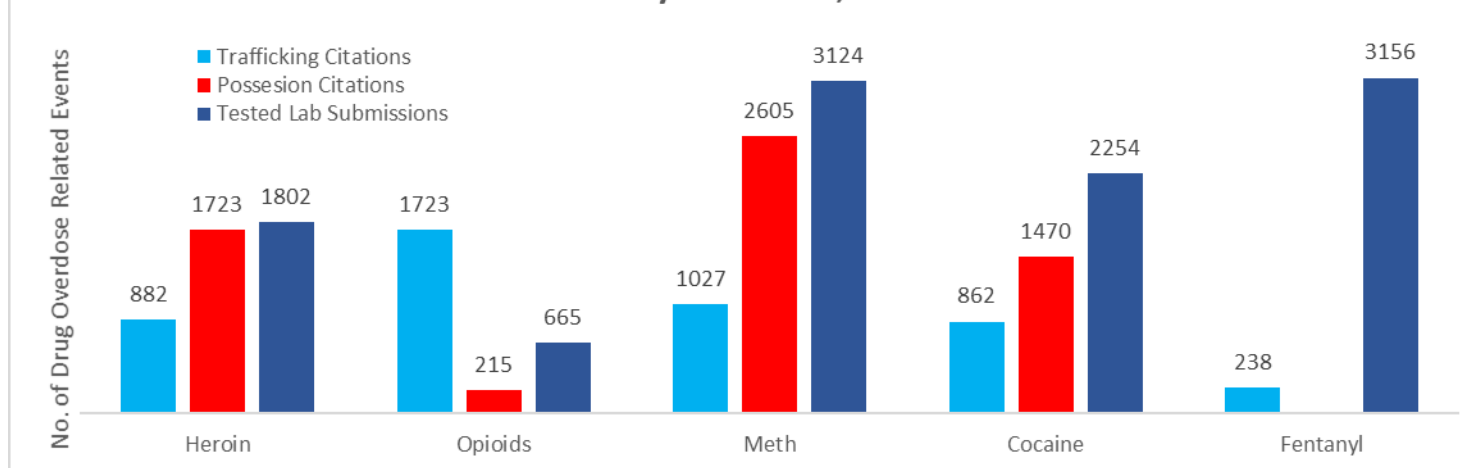
Increasing Events	Decreasing Events	No Change in Events
Heroin: Trafficking, Possessions, and ED Visits Opioids: Possessions, Trafficking, Deaths, and ED Visits Methamphetamine: Deaths Fentanyl and Fentanyl related analogs: Trafficking, Labs, and Deaths	Heroin: Deaths Opioids: Labs and Hospitalizations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



KSP Post 12

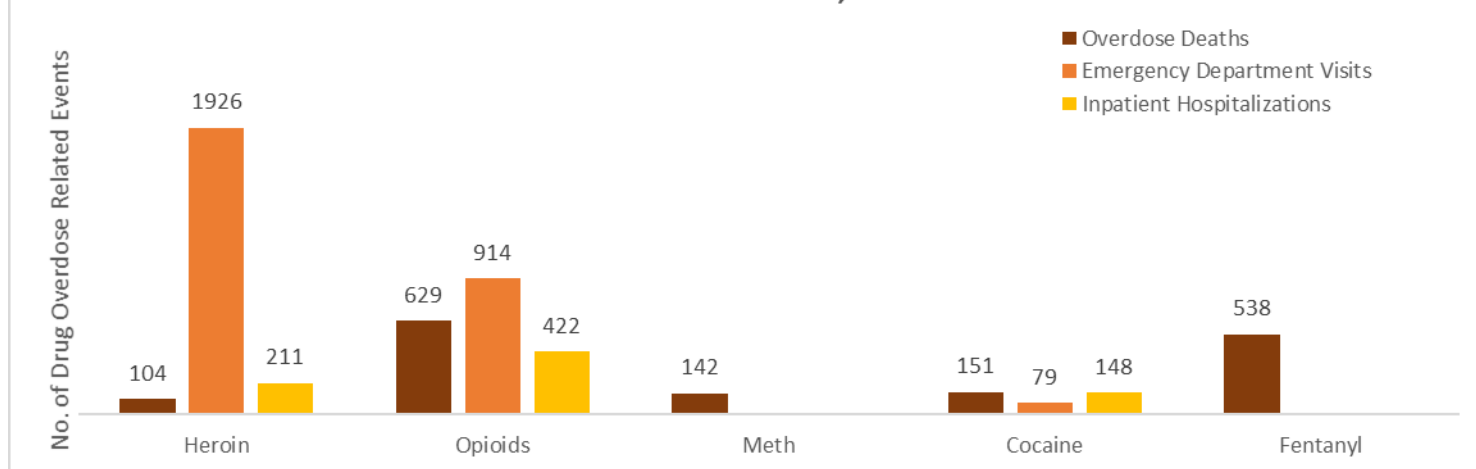
Anderson, Fayette, Franklin, Scott, Shelby, Spencer, and Woodford Counties

Public Safety Indicators, 2017–2020



Note: There are no KRS codes for fentanyl possession.

Public Health Indicators, 2017–2020



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

Substance Use-Related Event Change, 2019–2020

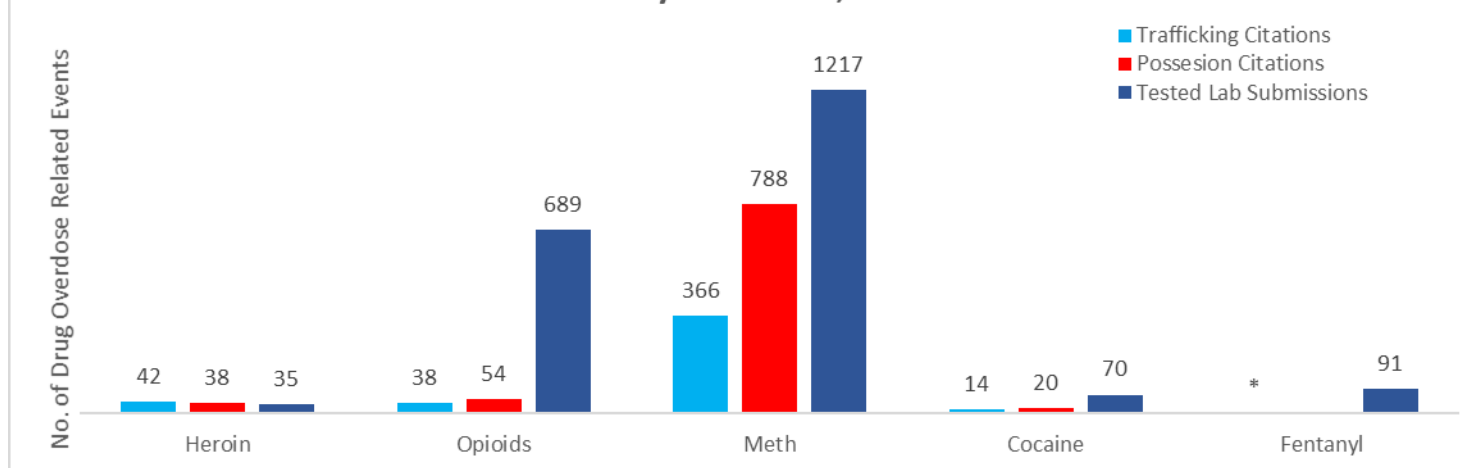
↑ Increasing Events	↓ Decreasing Events	= No Change in Events
Heroin: ED Visits and Hospitalizations Opioids: Trafficking, Possessions, Labs, Deaths, ED Visits, and Hospitalizations Methamphetamine: Labs and Deaths Cocaine: Deaths Fentanyl and Fentanyl-Related Analogs: Deaths	Heroin: Trafficking, Possessions,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



KSP Post 13

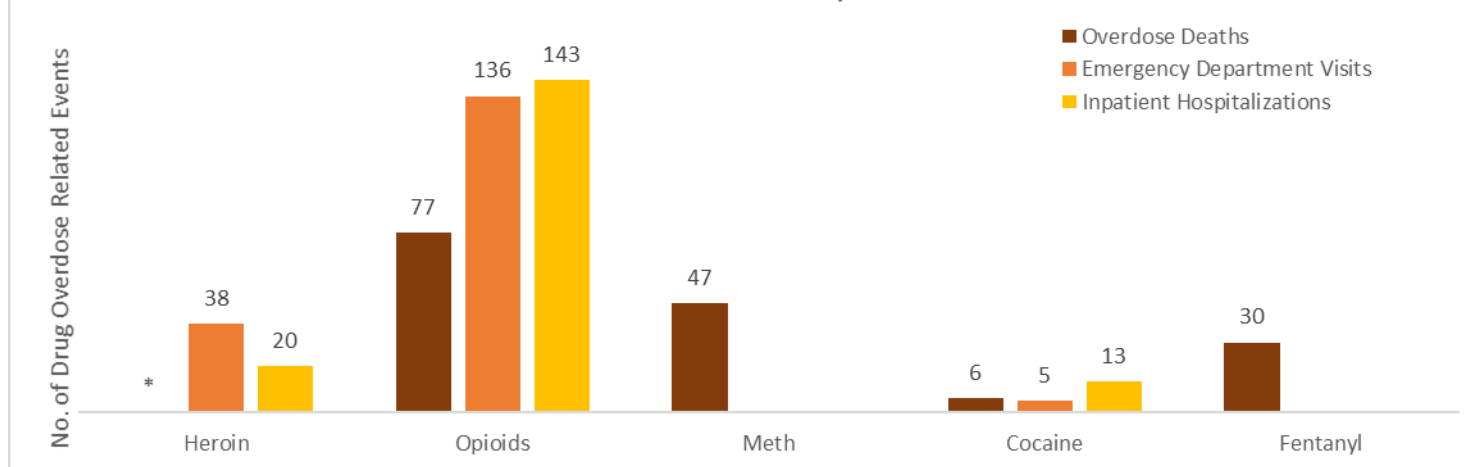
Breathitt, Knott, Leslie, Letcher, and Perry Counties

Public Safety Indicators, 2017–2020



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, 2017–2020



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, 2019–2020

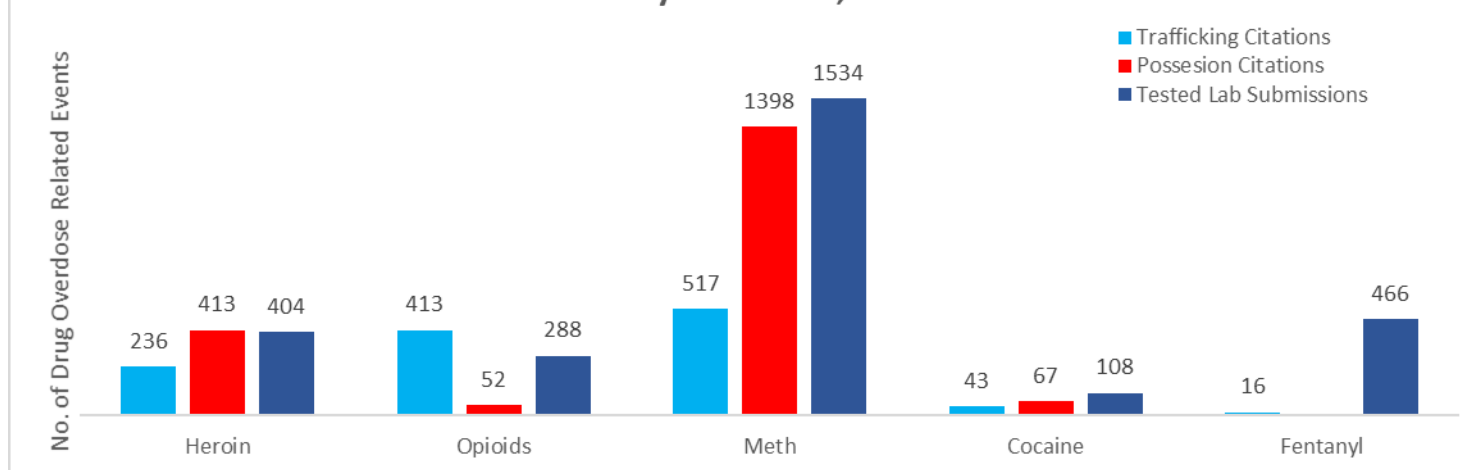
↑ Increasing Events	↓ Decreasing Events	= No Change in Events
Heroin: Trafficking, Possessions, Labs, ED Visits, and Hospitalizations Opioids: Deaths and ED Visits Methamphetamine: Deaths Cocaine: Deaths Fentanyl and Fentanyl-Related Analogs: Trafficking, Labs, and Deaths	Opioids: Trafficking, Possessions,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



KSP Post 14

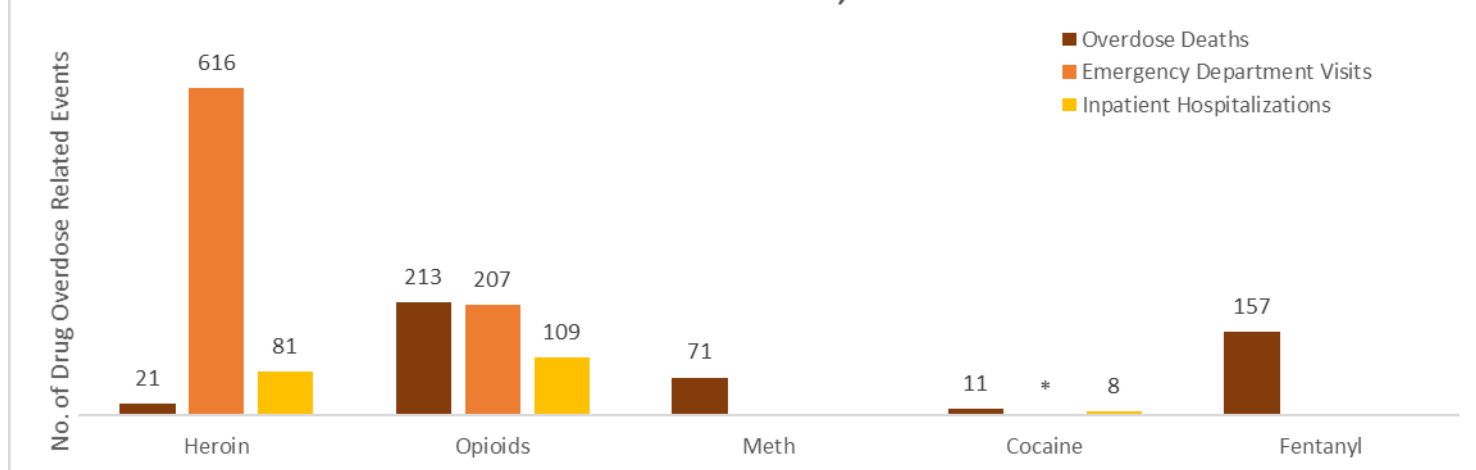
Boyd, Carter, Greenup, and Lawrence Counties

Public Safety Indicators, 2017–2020



Note: There are no KRS codes for fentanyl possession.

Public Health Indicators, 2017–2020



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, 2019–2020

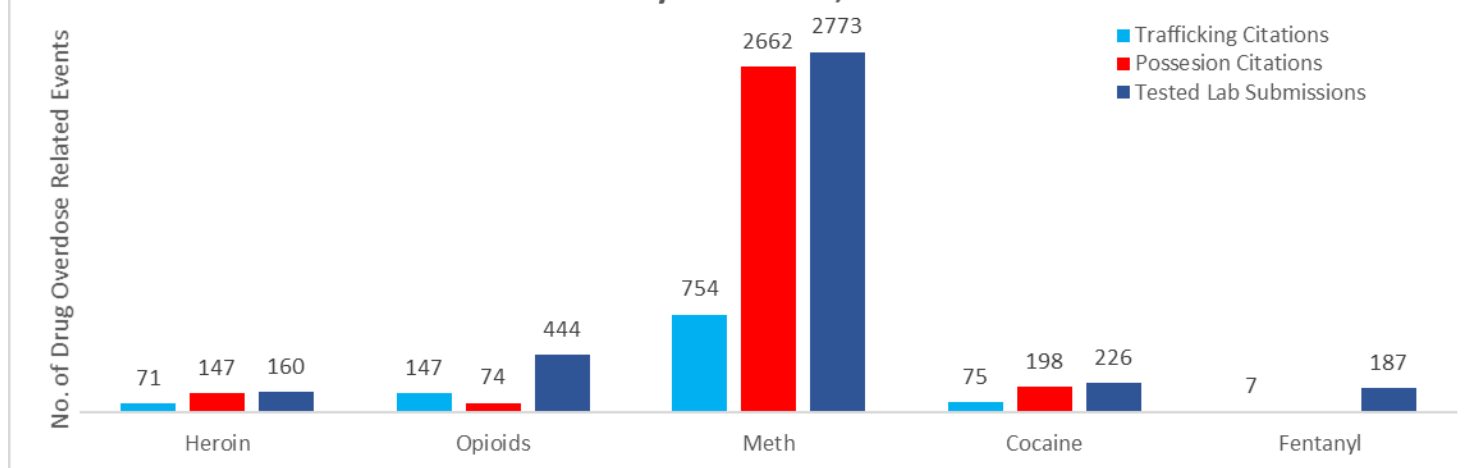
↑ Increasing Events	↓ Decreasing Events	= No Change in Events
Heroin: Deaths and ED Visits Opioids: Deaths, ED Visits and Labs Methamphetamine: Deaths Cocaine: Possessions Fentanyl and Fentanyl-Related Analogs: Trafficking, Labs, and Deaths	Heroin: Trafficking, Possessions, Labs, and Hospitalizations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



KSP Post 15

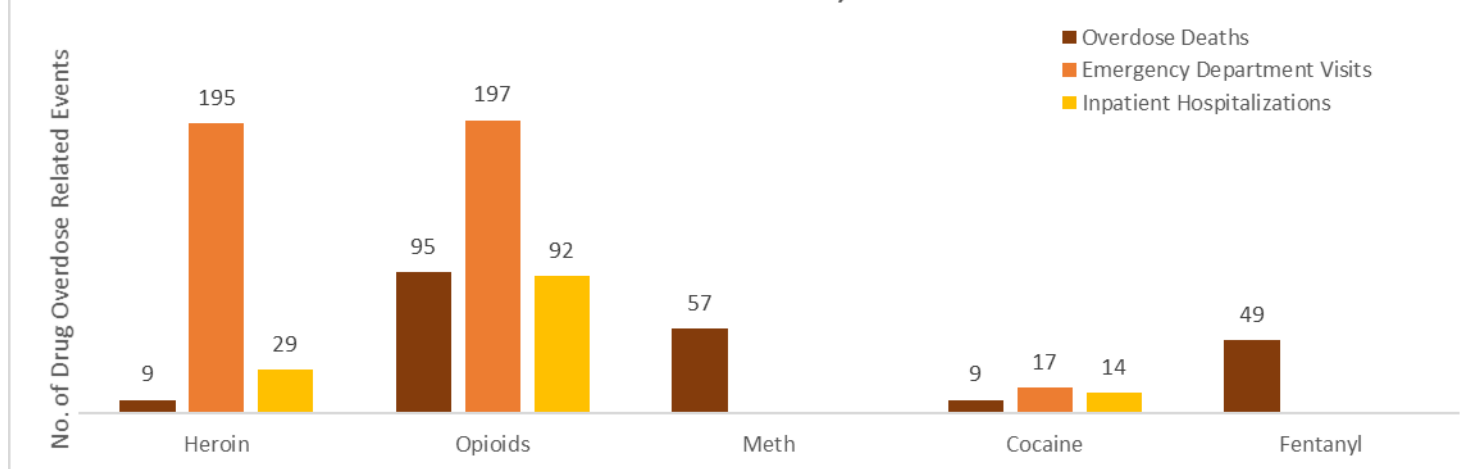
Adair, Casey, Clinton, Cumberland, Green, Marion, Metcalfe, Monroe, Russell, Taylor, and Washington Counties

Public Safety Indicators, 2017–2020



Note: There are no KRS codes for fentanyl possession.

Public Health Indicators, 2017–2020



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

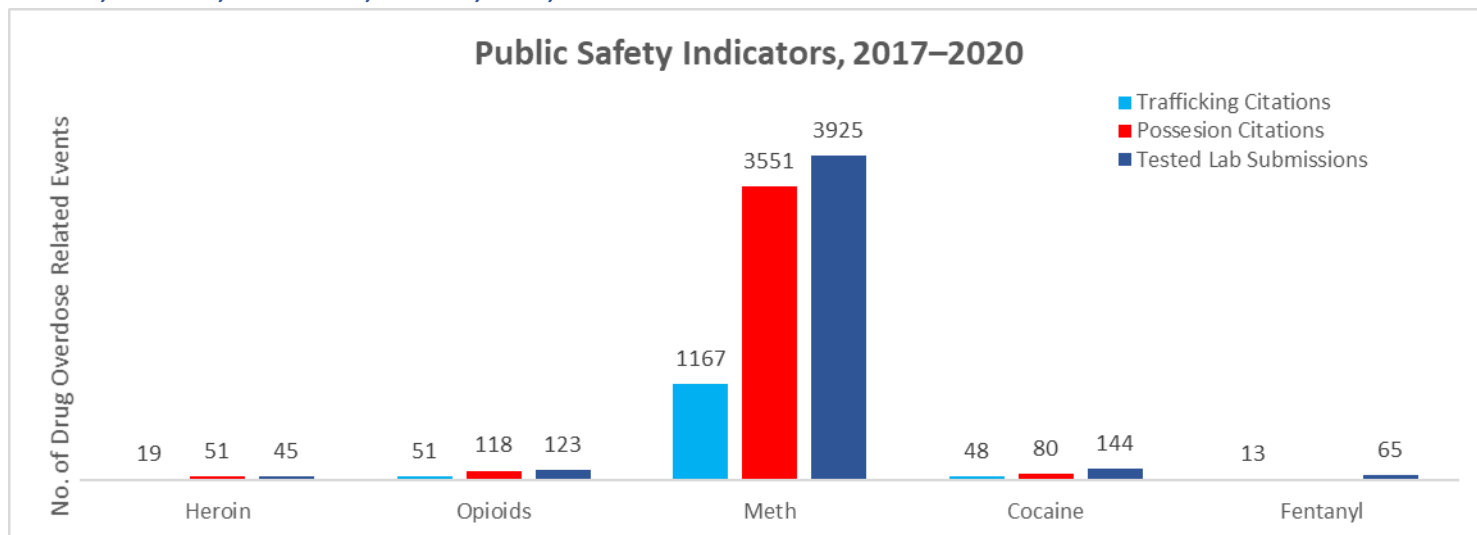
Substance Use-Related Event Change, 2019–2020

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

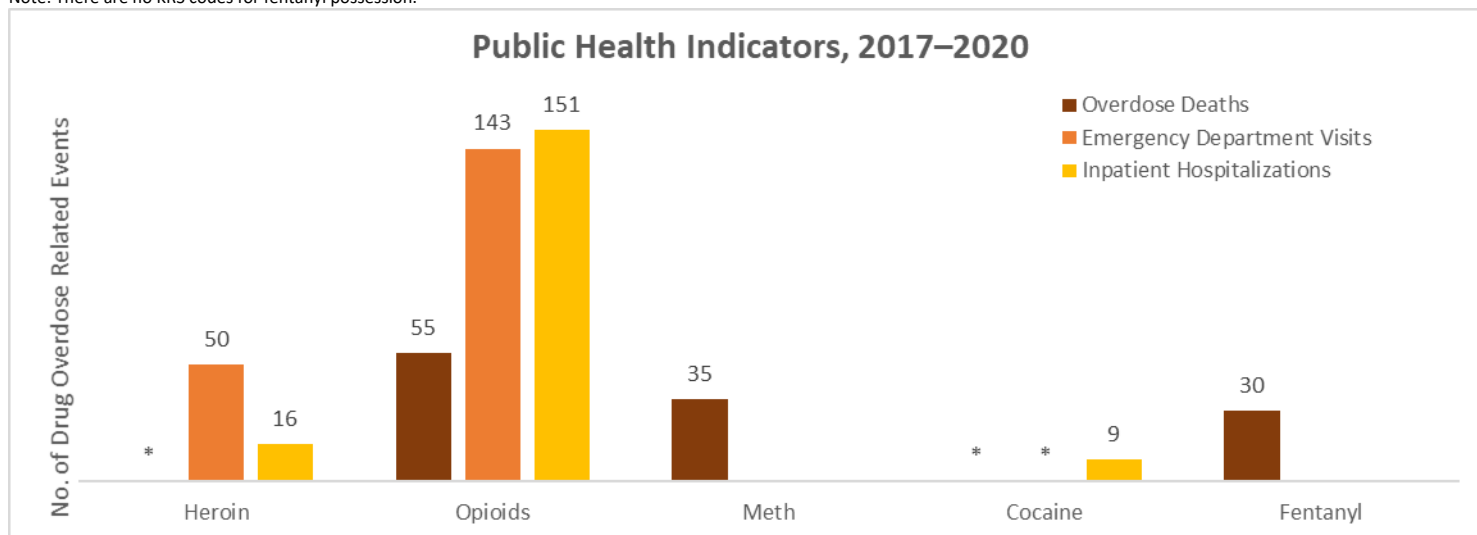


KSP Post 16

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



Note: There are no KRS codes for fentanyl possession.



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, 2019–2020

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