

Kentucky's Opioid Use Disorder Crisis: A Focus on Rural Populations

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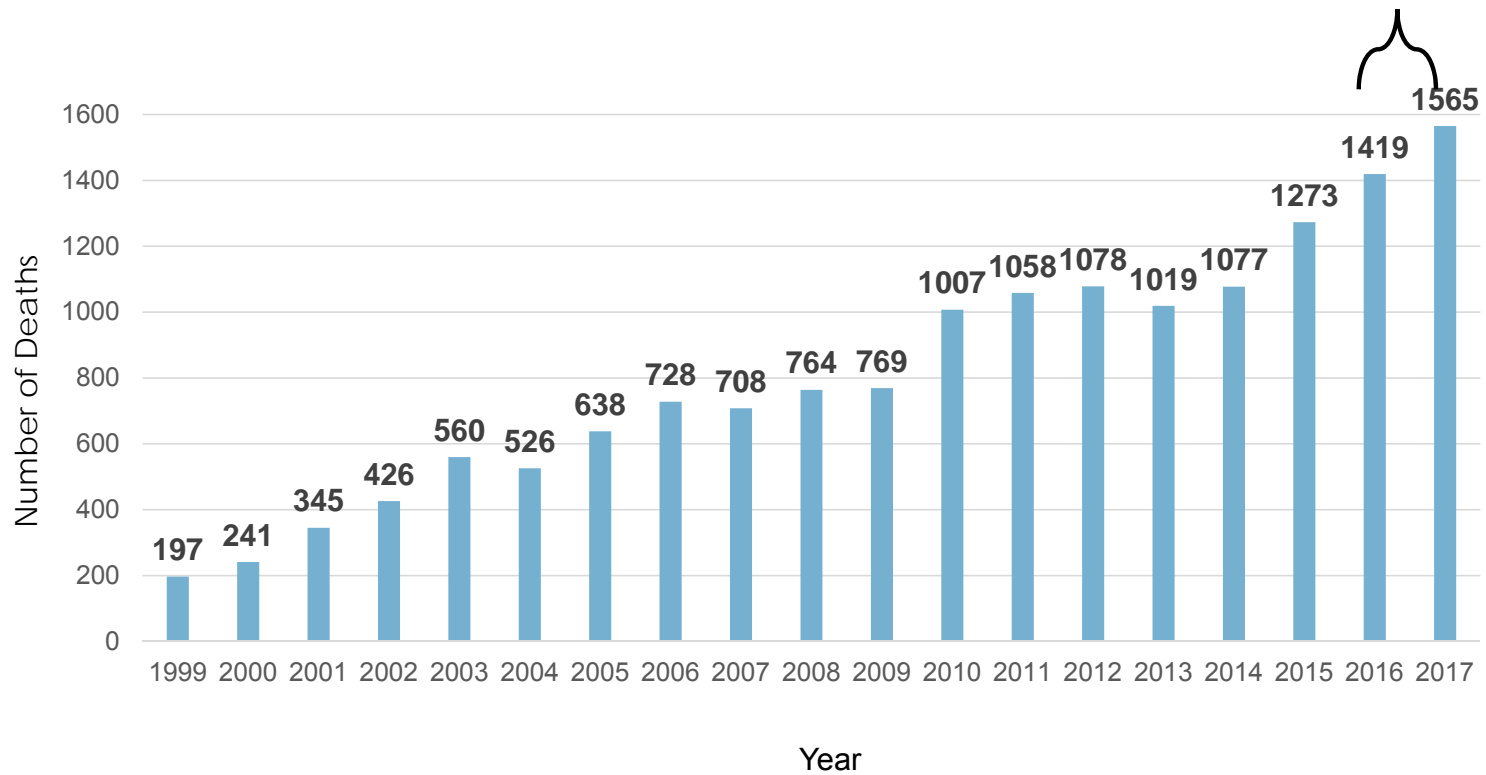
Kentucky - Context

- Population 4.4 million
- Economic Status
 - 47th in average annual income (\$41,141)
- Rural State
 - More than 50 percent live in rural setting
- Medicaid Expansion State
 - 1.4 million Kentuckians on Medicaid
 - 500 thousand of those are Expansion
- Center of the Opioid Crisis

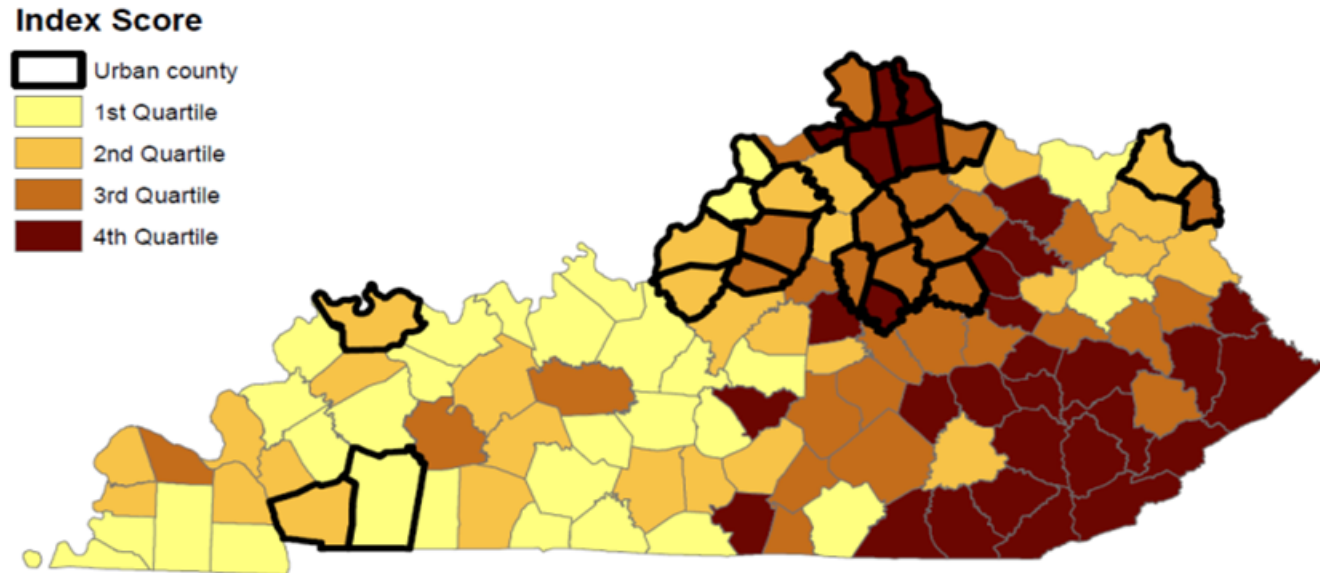
AGE-ADJUSTED OVERDOSE DEATH RATE BY STATE, 2016

State	Deaths	Population	Crude Rate per 100,000	Age-Adjusted Rate per 100,000
West Virginia	884	1,831,102	48.3	52.0
Ohio	4,329	11,614,373	37.3	39.1
New Hampshire	481	1,334,795	36.0	39.0
Pennsylvania	4,627	12,784,227	36.2	37.9
Kentucky	1,419	4,436,974	32.0	33.5
Maryland	2,044	6,016,447	34.0	33.2
Massachusetts	2,227	6,811,779	32.7	33.0
Rhode Island	326	1,056,426	30.9	30.8

KY RESIDENT DRUG OVERDOSE DEATHS (all drugs) 10.3% increase



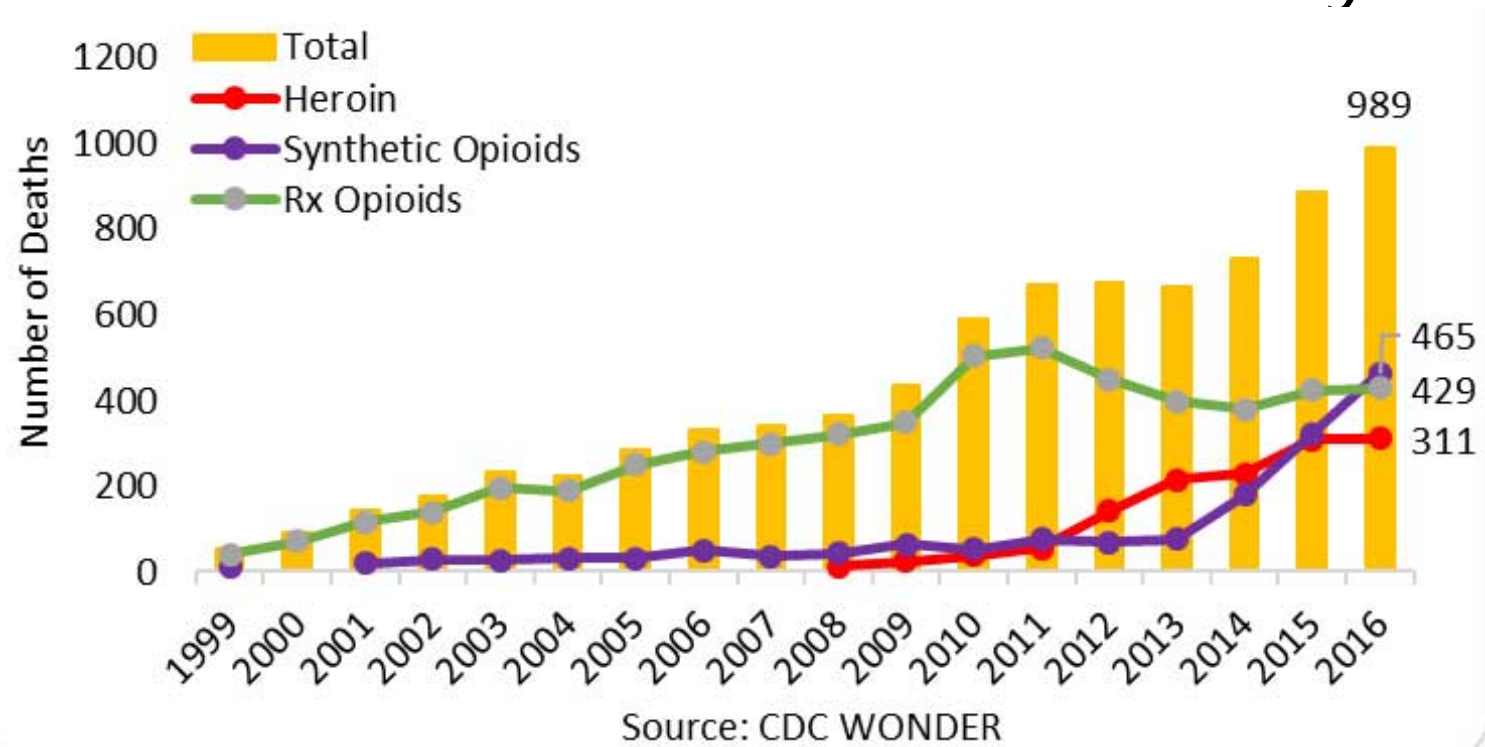
Composite Risk Index for Opioid Overdose



Index score calculated by averaging county ranks in 1) fatal opioid overdose rate; 2) opioid overdose emergency department visit rate; 3) opioid overdose hospitalization rate; 4) MME ≥ 100 rate; 5) neonatal abstinence syndrome rate

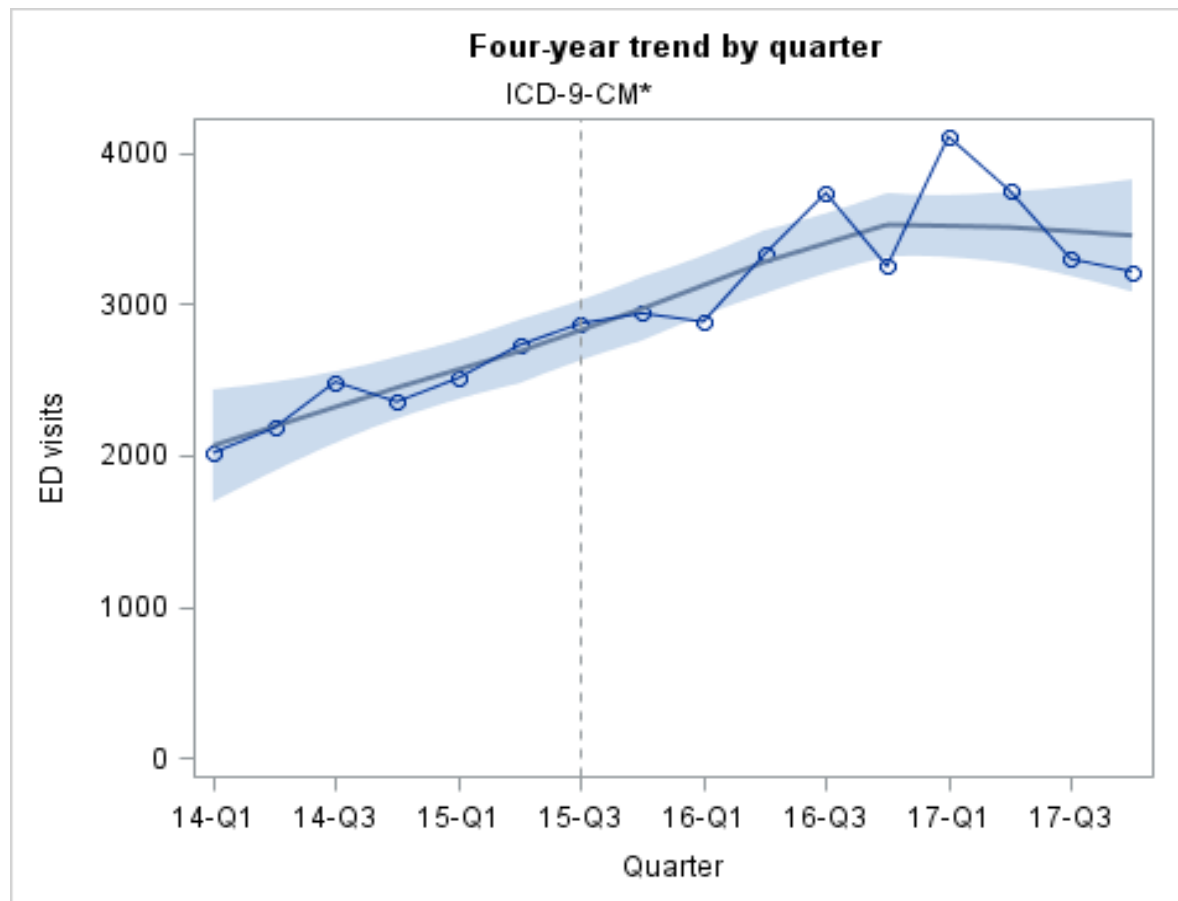
Data sources: Kentucky Inpatient and Outpatient Hospitalization Claims Files, Frankfort, KY; Cabinet for Health and Family Services, Office of Health Policy; Kentucky Death Certificate Database, Kentucky Office of Vital Statistics, Cabinet for Health and Family Services; KASPER Quarterly Trend Report, Third Quarter 2015, Kentucky Department for Public Health. Data are provisional and subject to change.

Number of Opioid-Related Overdose Deaths in Kentucky

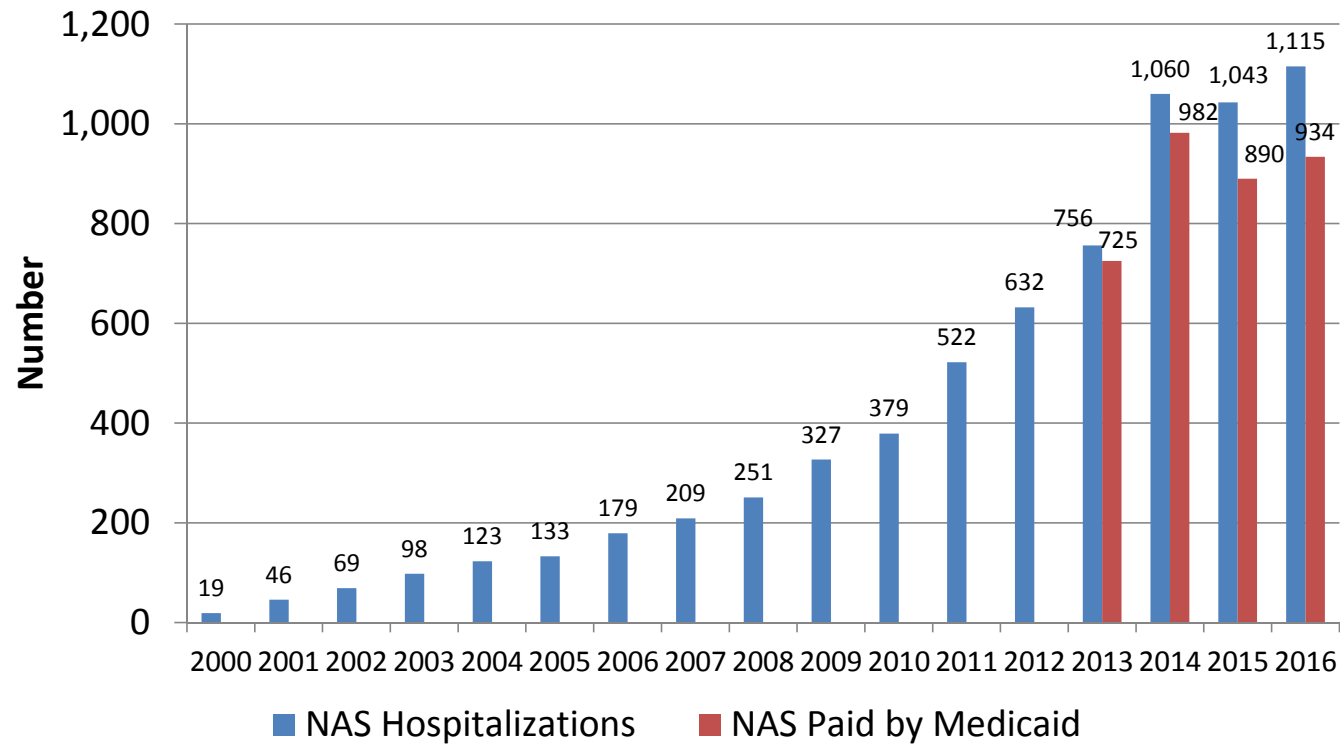


2017 Synthetic opioids increased to 763

E/D Overdose Visits All Drugs



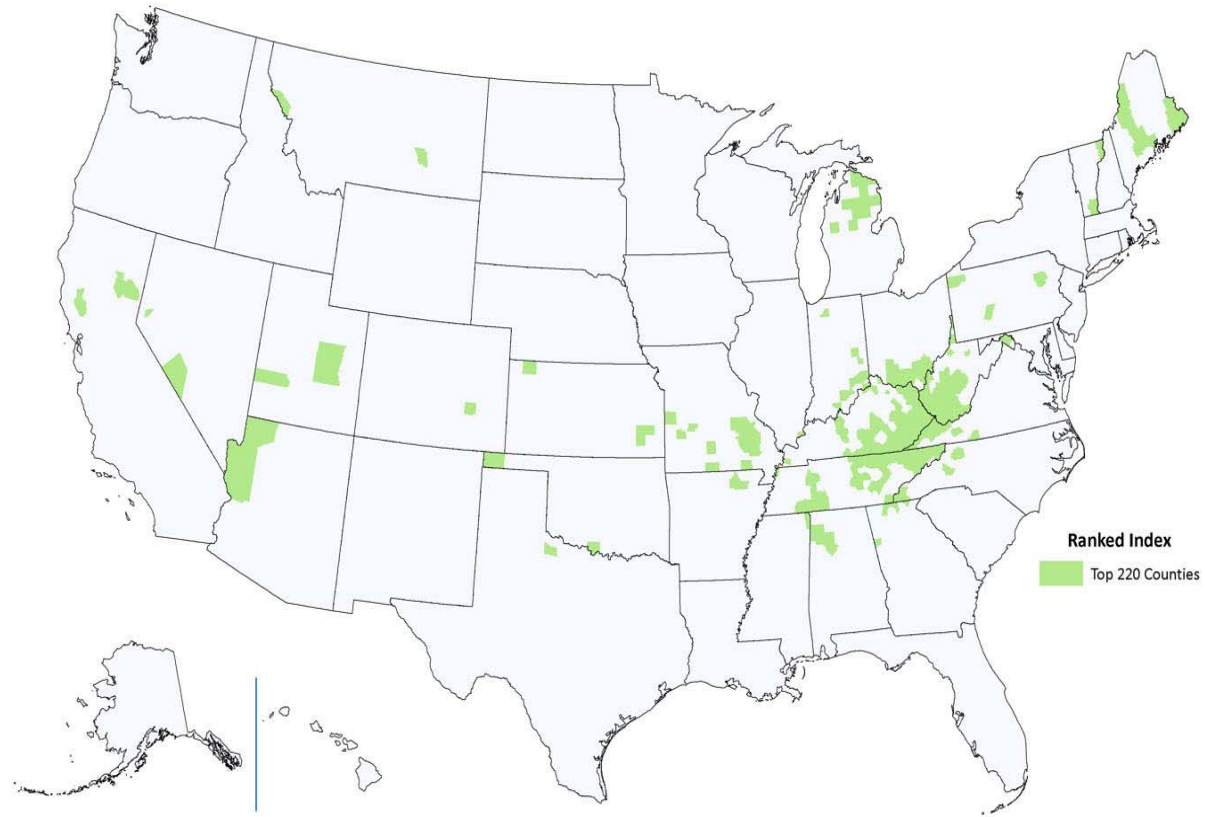
Neonatal Opioid Withdrawal



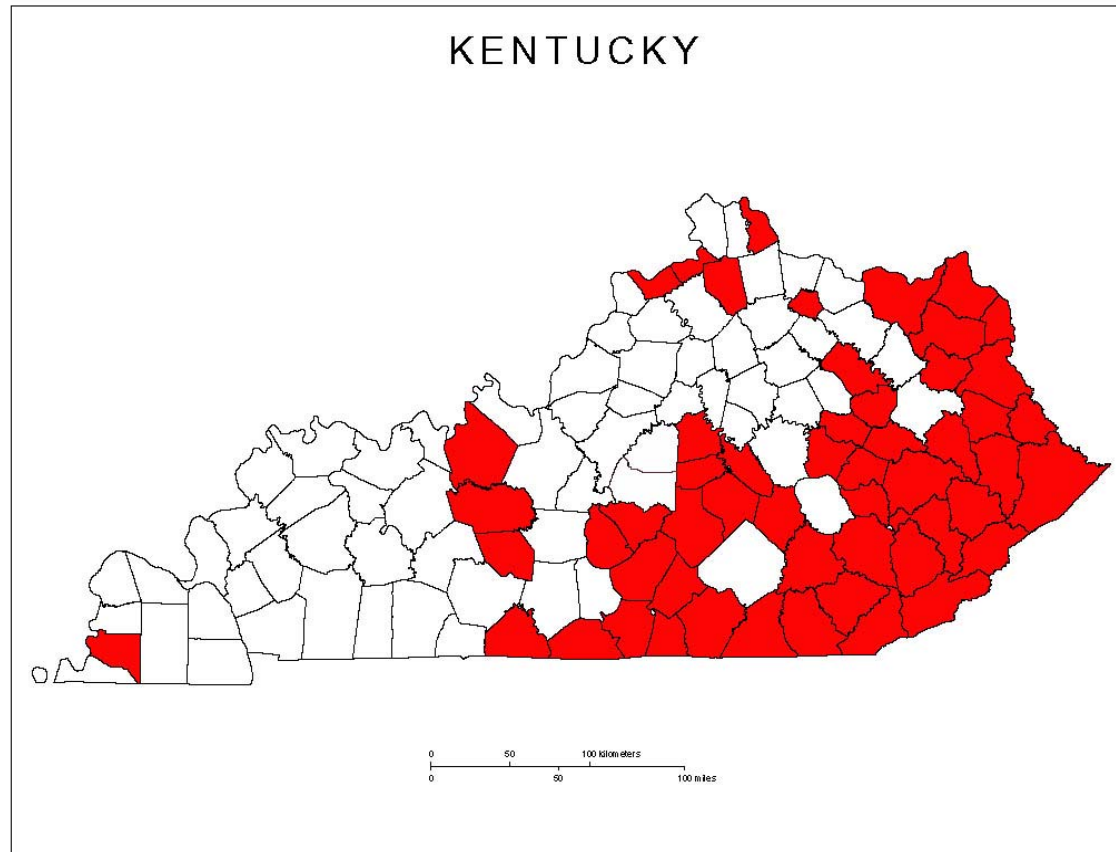
Consequences of Opioid Crisis

- Crisis in number of individuals incarcerated in state correctional system (25,000)
- More than 9600 children in state custody
- Exploding healthcare cost for OUD related health care complications
 - OD E/R and admissions
 - Hepatitis/HIV Risk
 - Cellulitis/endocarditis/brain abscesses

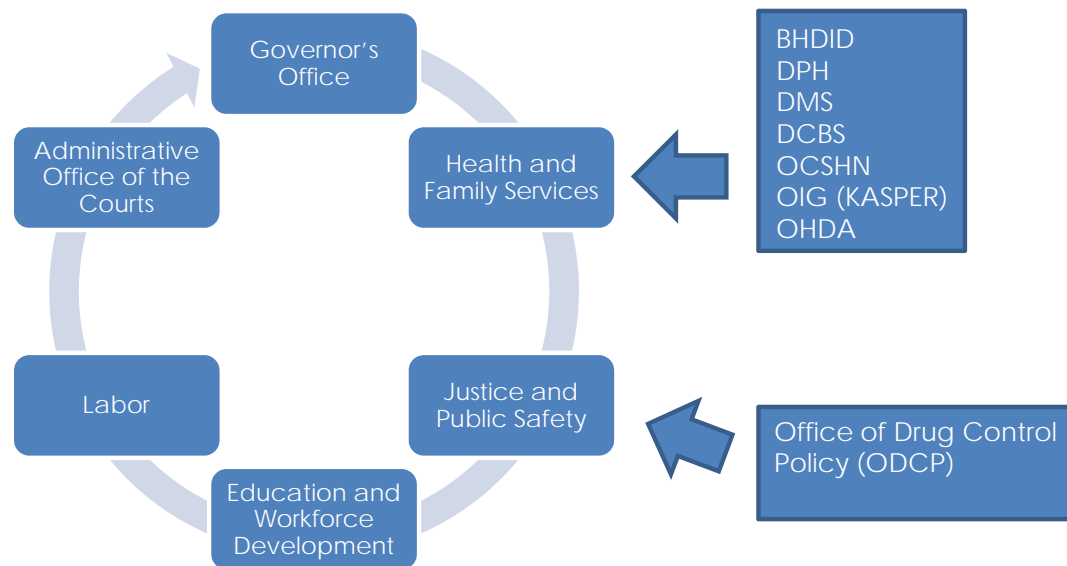
**Counties most vulnerable to rapid HIV spread if HIV introduced:
220 counties in 26 states**



Over 50 counties in KY vulnerable to rapid Hep C/HIV spread



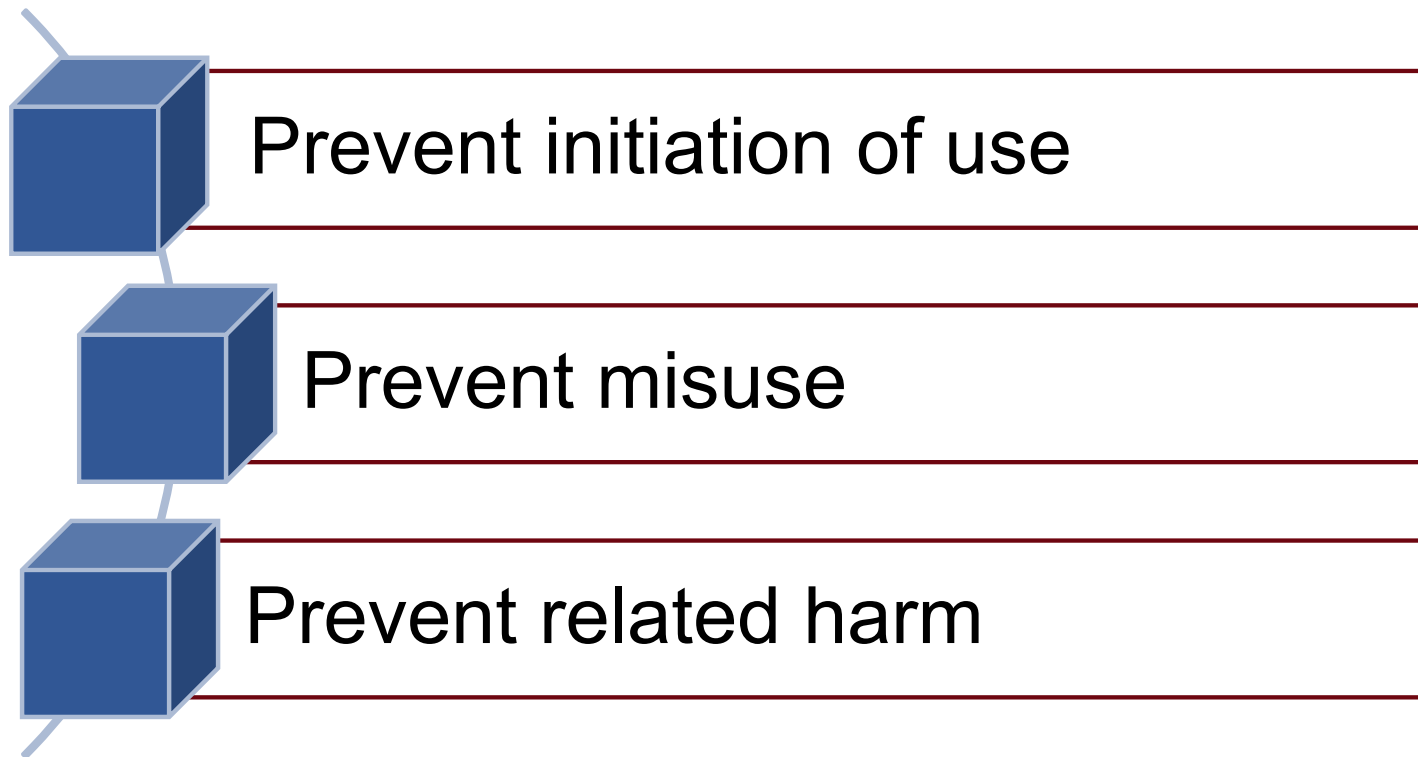
Kentucky Opioid Response Effort



Building Blocks of the Action Plan



Prevention



Opioid Response – Focus on Rural

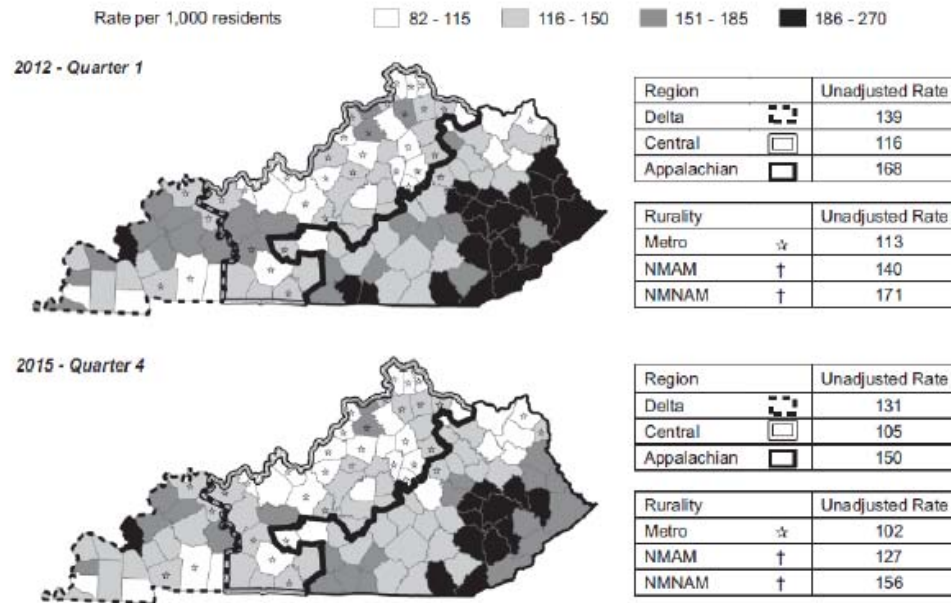
- Rural opioid prescribing trends
- Harm reduction/engagement
- Access to quality treatment

Opioid Prescribing

Trends & Patterns of Opioid Analgesic Prescribing

Luu et al.

Figure 1 Unadjusted Rates of Residents With Dispensed Opioid Analgesic Prescriptions per 1,000 Residents by County, Region and Rurality: Kentucky 2012 and 2015.



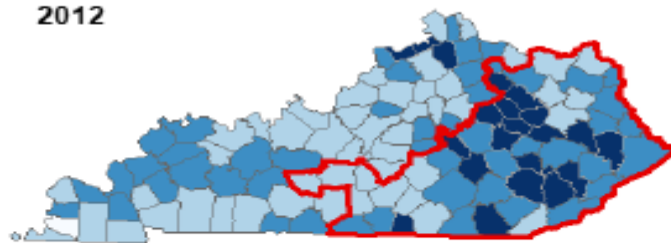
† Counties that are non-metropolitan, adjacent to a metro area (NMAM) or counties that are non-metropolitan, not adjacent to a metro area (NMNAM) cannot be identified easily on these maps. Please refer to the Appendices, Figure 3 (available online only).

Figure 2. Unadjusted Annual Rates of Residents With High-Risk Opioid Analgesic Prescribing by County, Kentucky 2012 and 2016

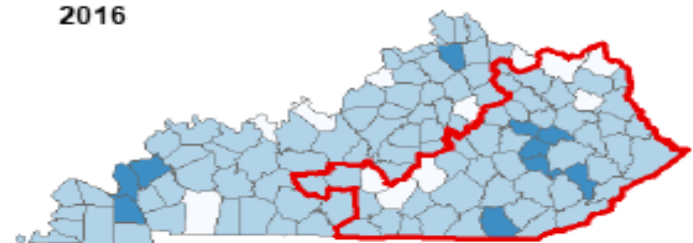
HDOAP

- ≤ 8
- >8 and <16
- >16 and ≤ 24
- >24

2012

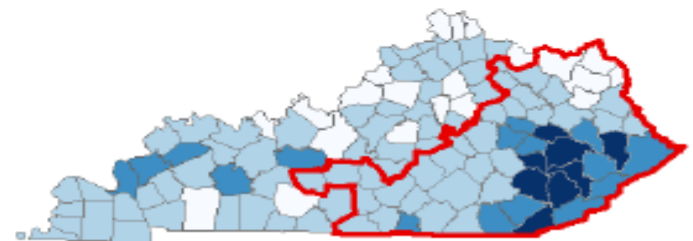
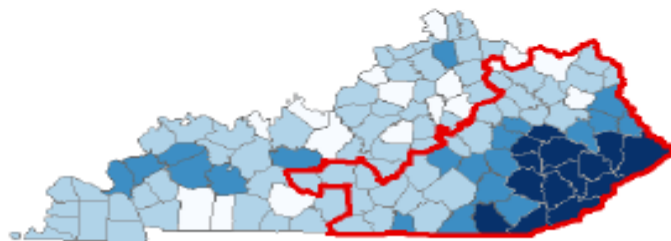


2016



LTOAP

- ≤ 25
- >25 and ≤ 50
- >50 and ≤ 75
- >75



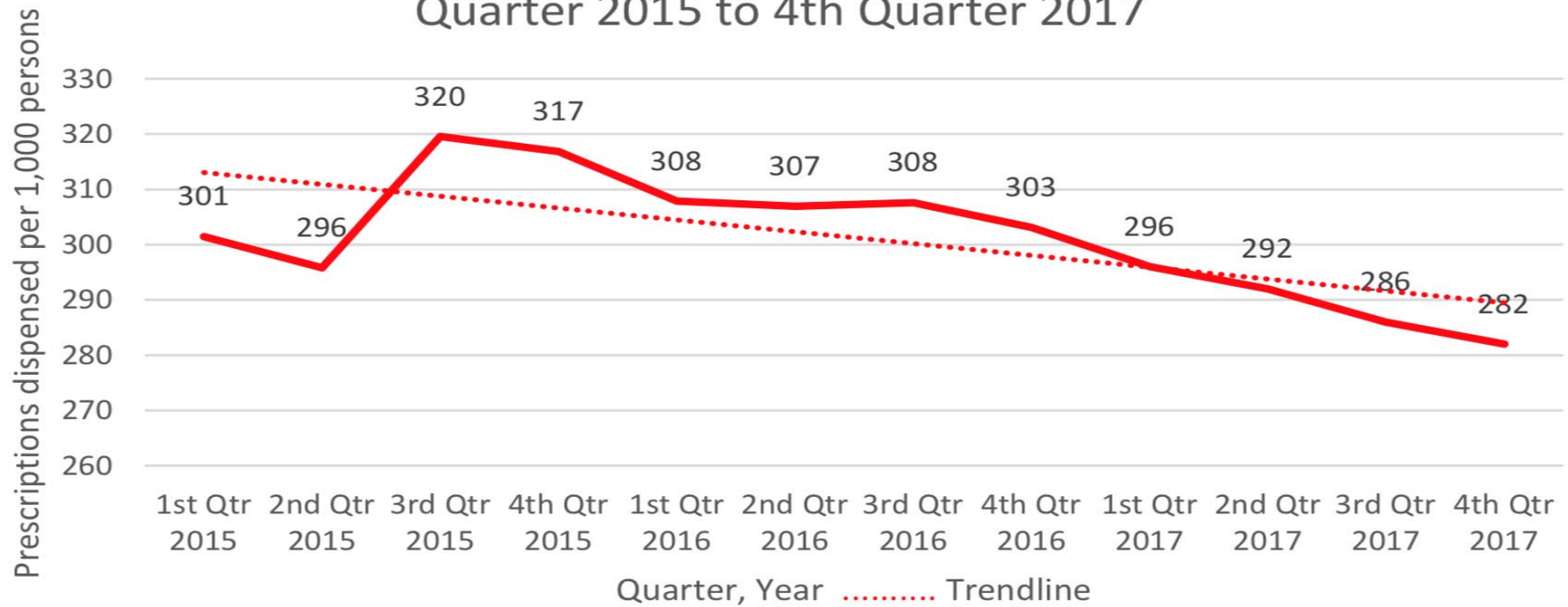
Produced by the Kentucky Injury Prevention and Research Center, a bona fide agent for the Kentucky Department for Public Health. Data Source: The Kentucky All Schedule Prescription Electronic Reporting (KASPER), Office of Inspector General (OIG), Cabinet for Health and Family Services.



Strategies

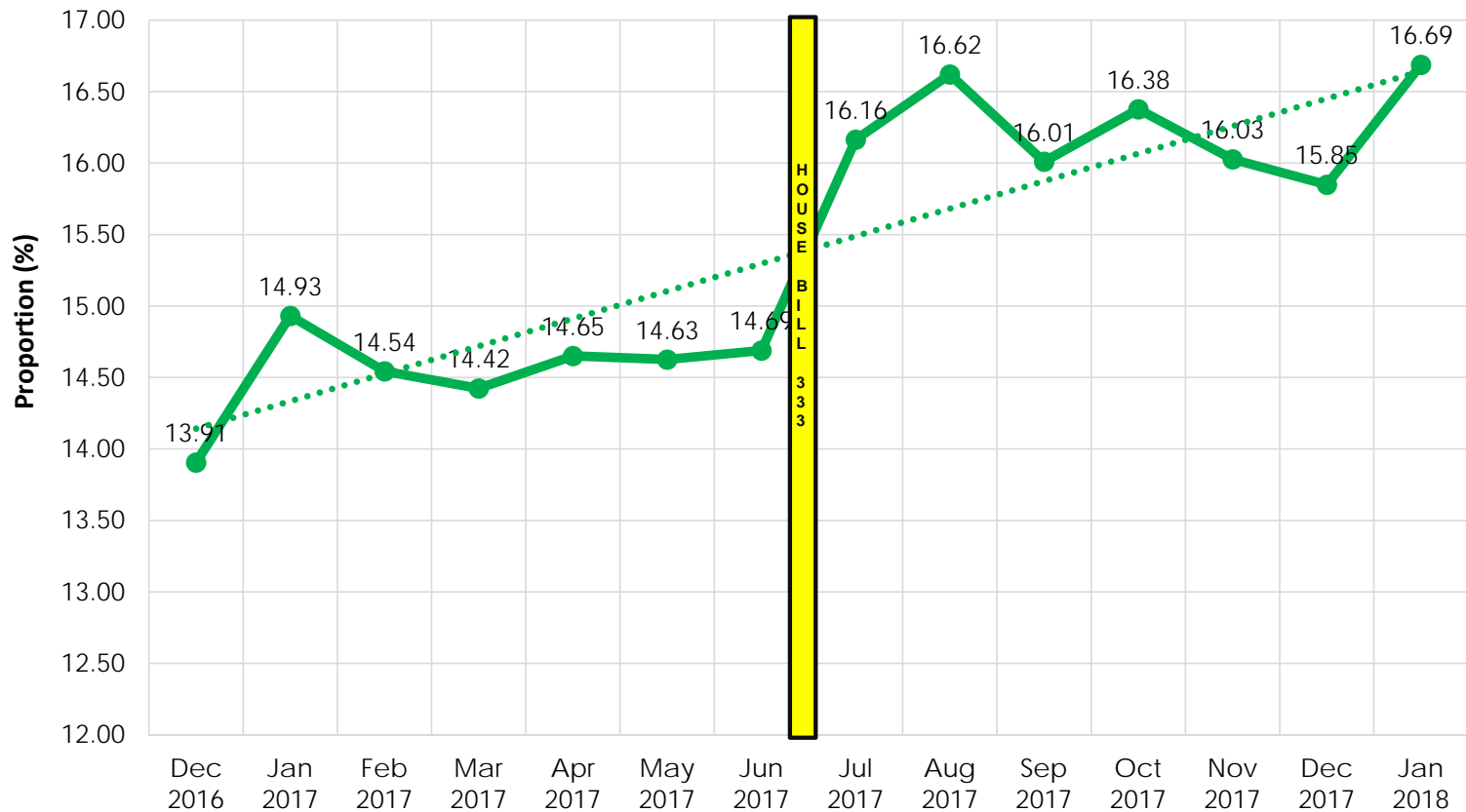
- Mandatory utilization of PDMP (KASPER)
- Regulation of pain clinic (“pill mills”)
- Provider/Public Education
- Drug take back and pill disposal
- Enhanced PDMP
- Three day limit for acute pain
- Opioid Stewardship

Rates of Opioid Prescription Dispensing in Kentucky, 1st Quarter 2015 to 4th Quarter 2017

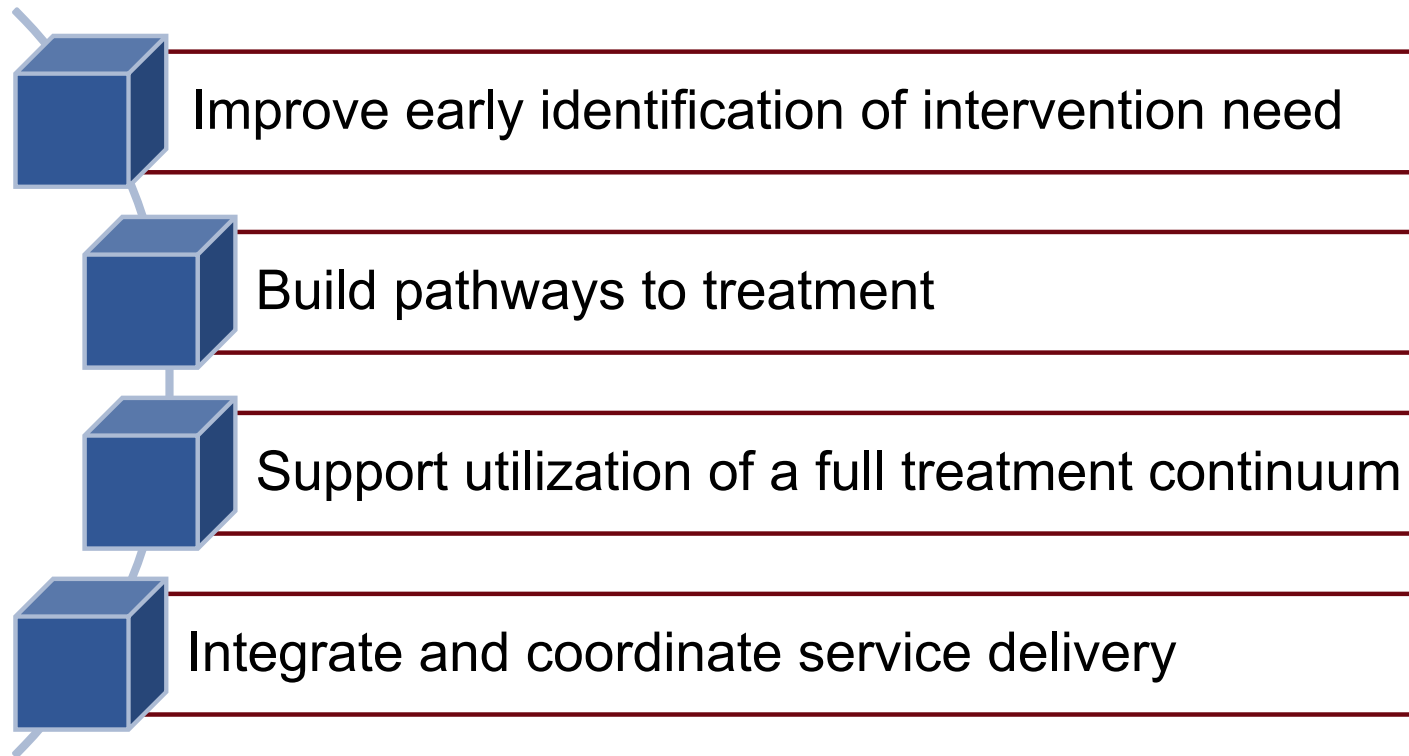


Quesinberry, D. *KASPER Quarterly Threshold Analysis Report, Fourth Quarter 2017*. Kentucky Injury Prevention and Research Center, 2018.

**PERCENT OF TOTAL: THE PERCENTAGE OF ALL
DISPENSED C-II OPIOID ANALGESIC DRUG
PRESCRIPTIONS WHERE DAY'S SUPPLY IS ≤ 3**



Treatment



Treatment Rural Focus

- Treatment Locator and Call Line
- Increased Access to MAT
- Improvement of Network Adequacy
- Workforce
- Telehealth
- 1115 Waiver

Increase access to and awareness of treatment resources for clients and providers

Start here to find treatment openings in Kentucky for drug use.

Who Needs Help? Not Sure ▾

Gender ----- ▾


Location [Use My Location](#)
City, county or zip code


Type of Treatment Not Sure ▾

Payment Not Sure ▾

Pregnant Under 18 LGBTQ

[Start Search](#)
[Advanced Search](#)

 **Need help, or want to talk to someone about treatment?**
1-833-8KY-HELP (1-833-859-4357)

 **If you are having a medical emergency, call 911 now.**

findhelpnowky.org

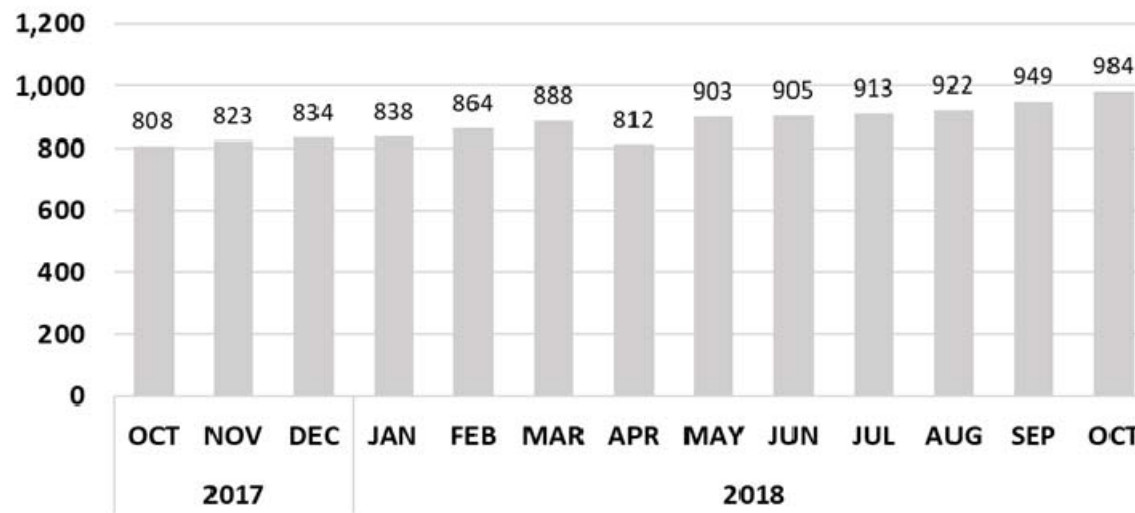
Pathways to treatment

Improved Access to Medication Assisted Therapy (MAT)

- Methadone
- Buprenorphine
- Naltrexone

Medications in combination with
evidence based therapies and
psychosocial supports

NUMBER OF MEDICATION-ASSISTED TREATMENT (MAT) DATA WAIVED PRACTITIONERS IN KENTUCKY BY YEAR, MONTH

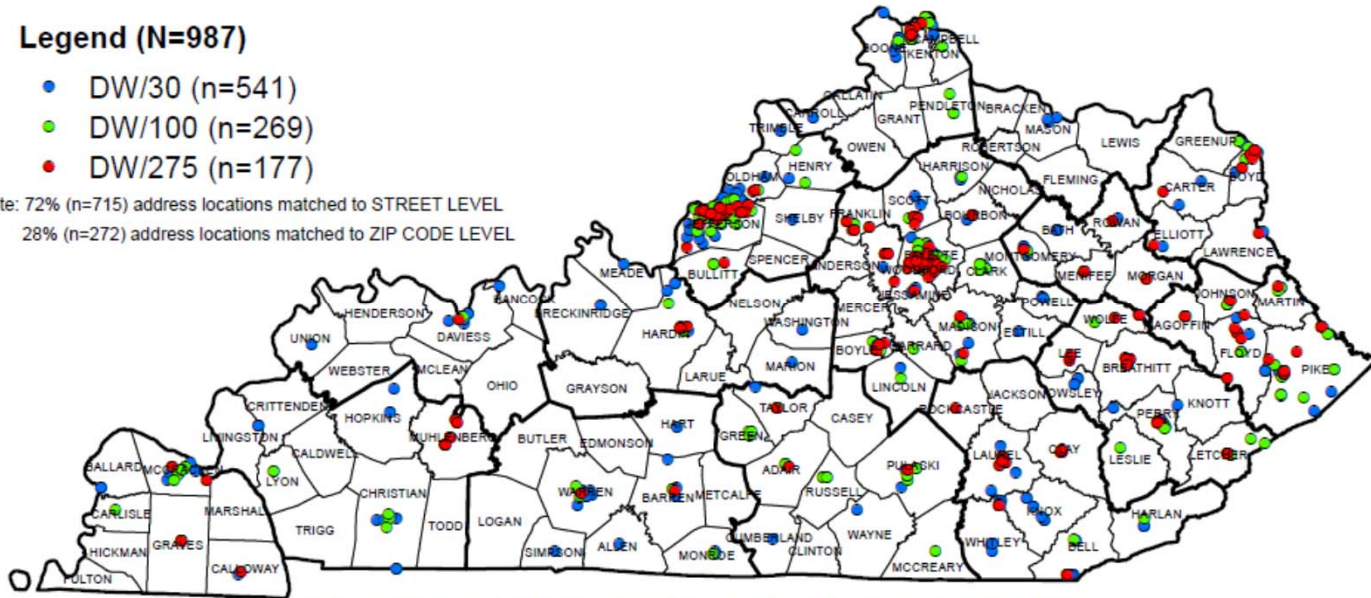


GEOLOCATIONS OF MEDICATION-ASSISTED TREATMENT (MAT) DATA WAIVED PRACTITIONERS

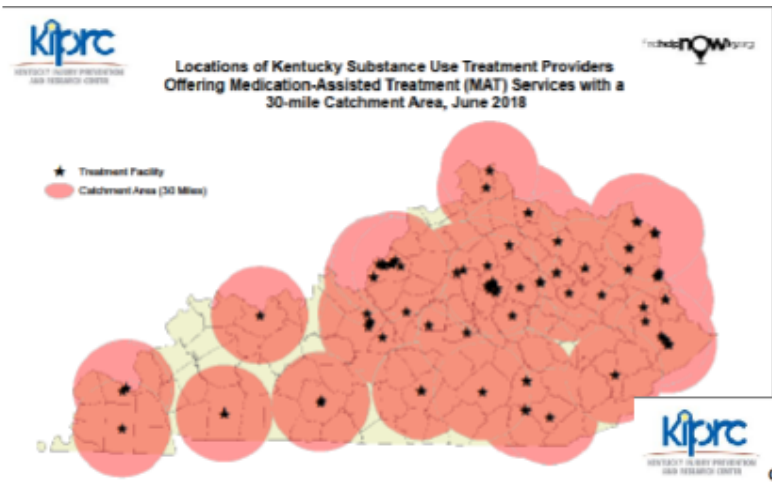
Legend (N=987)

- DW/30 (n=541)
- DW/100 (n=269)
- DW/275 (n=177)

Note: 72% (n=715) address locations matched to STREET LEVEL
28% (n=272) address locations matched to ZIP CODE LEVEL



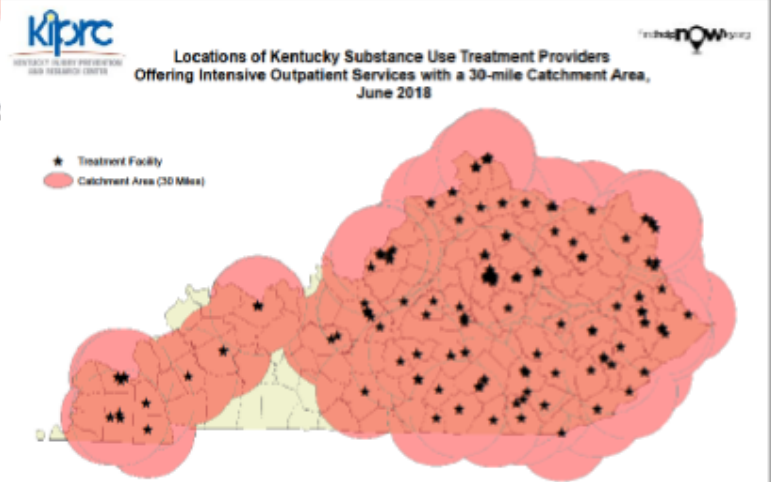
Data Source: Office of Inspector General, Kentucky All Schedule Electronic Reporting (KASPER)
Created By: Adam J. Berrones (aberrones@ky.gov)



Locations of Kentucky Substance Use Treatment Providers Offering Medication-Assisted Treatment (MAT) Services with a 30-mile Catchment Area, June 2018



Data Source: InchesNOW.org Treatment Provider Database, accessed June 2018. Data is provided by providers participating in the treatment availability locator project as InchesNOW.org established by the Kentucky Injury Prevention and Research Center, as their data agent for the Kentucky Department for Public Health, and supported by Cooperative Agreement Number: 5 NU117CE8273D-03, funded by the Centers for Disease Control and Prevention.



Locations of Kentucky Substance Use Treatment Providers Offering Intensive Outpatient Services with a 30-mile Catchment Area, June 2018



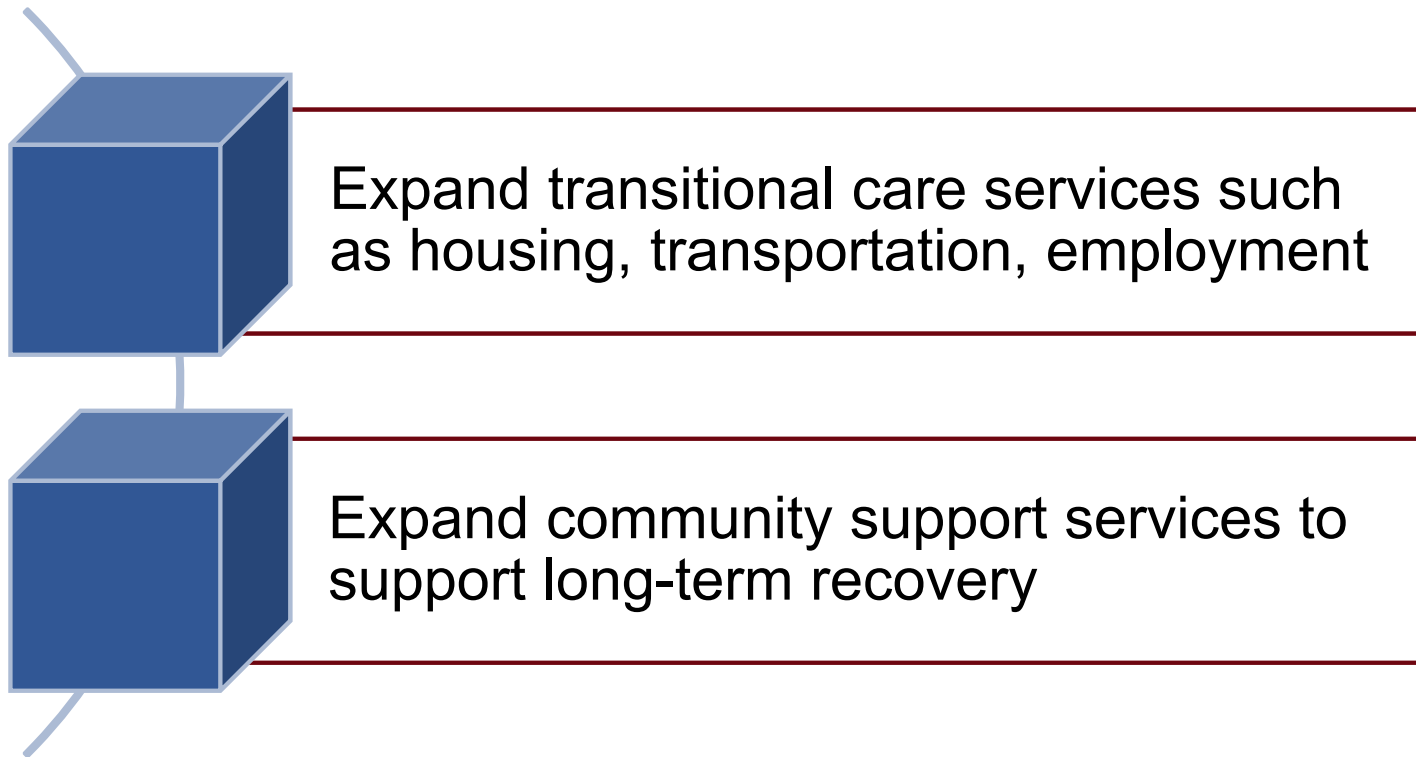
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Medicaid 1115 Waiver – SUD components

- Grant exceptions to 15 bed limit for SUD residential
- Develop quality and outcome standards
- Consider SUD status in determining medically frail determinations
- Count “Recovery” activities toward Community Engagement Requirements
- Enhance access to employment resources

RECOVERY



EMPLOYMENT SUPPORT

- Employment supports through the Department of Corrections for individuals re-entering the community
- Employer toolkit to guide employers' understanding of OUD in the workplace and to provide best practice recommendations for prevention, treatment, and recovery support

Decrease stigma and barriers