Kentucky Data on Drug Overdose & Prevention Programs: A Review

May 23, 2019

https://www.healthy-ky.org/events/health-for-a-change
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✓ June 6 Building Healthier Communities Workshop with CANE, Inc. Whitesburg
✓ June 19 Census Updates Webinar with Kentucky Youth Advocates
✓ June 26 How to Get in Formation for Coalition Building Webinar
✓ July 24 Coalition Building Workshop at Need More Acres Farm in Scottsville
Foundation for a Healthy Kentucky’s MISSION

To address the unmet health needs of Kentuckians

Investing in communities.
Informing health policy.

By...
• Developing and influencing policy
• Improving access to care
• Reducing health risks and disparities
• Promoting health equity
Medication-Assisted Treatment among Ky Medicaid Enrollees with Opioid Use Disorder

Ty Borders, PhD
Endowed Chair in Rural Health Policy, Foundation for a Healthy Kentucky
Professor, Health Management and Policy
Director, Rural and Underserved Health Research Center
Objectives

Describe the receipt of treatment for OUD among Ky Medicaid enrollees

– Buprenorphine
– Methadone
– Counseling
– Counseling if received buprenorphine

– Over 2014 to 2016
– By metro status
Background on Buprenorphine

- Prescribed by DEA-waivered office-based physicians
- Addiction Medicine/Psychiatry OR 8 hours of training
- 2000 Drug Abuse Tx Act allowed up to 30 patients
- 2006 act raised limit to 100 patients (if treated 30 ≥1 year) and expanded eligibility to PAs and NPs
- 2016 SAMHSA ruling raised limit to 275 patients

Distance to Nearest Buprenorphine-Waivered Physician

<=5, 5-10, 19-25, 25-50, 50-100, >100 miles from the centroid of a zipcode to the nearest buprenorphine-waivered physician (blue closest, white farthest)
Kentucky Medicaid Project

- Kentucky fee-for-service and managed care enrollees
- Excluded dual-eligibles from analysis
- Outpatient, inpatient, and pharmacy claims during the calendar years 2014-2016
- Opioid use disorder based on presence of a diagnosis code for opioid abuse or opioid dependence (ICD-9-CM: 304.00-02, 304.70-72, 305.50-52; ICD-10-CM: F11.x excluding F11.11) in any position on at least one claim
- 120 days negative diagnostic window
Receipt of Buprenorphine and Methadone

• Pharmacy claims based on the standardized generic drug names and national drug code (NDC)

• Excluded formulations of buprenorphine that are FDA-approved and generally prescribed for pain management rather than for OUD
  – e.g., Buprenex® injectable, Butrans® transdermal patch, Belbuca® buccal film

Receipt of Counseling

• Based on outpatient claims for Current Procedural Technology (CPT) codes
  – 90832-90838 “individual psychotherapy”
  – 90846-90847 “family psychotherapy”
  – 90849 & 90853 “group psychotherapy”
  – H0004 :behavioral health counseling and therapy, per 15 minutes”.

University of Kentucky
Residence

• Metro county
• Non-metro county adjacent to a metro county
• Non-metro county not adjacent to metro county

Analysis

• Estimated monthly and annual proportions of
  • Medicaid enrollees with OUD diagnoses
  • Receipt of buprenorphine prescriptions, methadone treatment, and behavioral health counseling (among those with OUD)

• Two-tailed Chi-squares tests for differences across study years or residence categories ($P<.05$)
Conclusions

- OUD diagnoses among Ky Medicaid enrollees declined
  - Perhaps opioid use is declining
  - Or a greater % of persons with OUD are undetected

- Receipt of buprenorphine and of counseling declined
  - Are treatment providers maxed out?

- Counseling among those receiving bup increased
  - Perhaps quality is improving?

- Metro persons with OUD had worse access and quality
  - HRSA has invested heavily in increasing MAT in non-metro areas
KIPRC

• Unique collaboration between the University of Kentucky and the Kentucky Department for Public Health

• Bona fide agent

• Community practice to academic research

• P2R2P

Drug Overdose Prevention Community Resources
FindHelpNowKY.org

- Near real-time substance use disorder (SUD) treatment availability locator
- SUD information repository
- Resource for evaluating Kentucky SUD treatment facility capacity vs. need

Partnerships
FindHelpNowKY.org
State of Treatment

Treatment Options by Treatment Type

- Inpatient: 11
- Residential: 91
- Detox: 16
- MAT: 105
- IOP: 187
- OP: 124

Source: Data gathered 04/08/2019 from FindHelpNowKY.org

Let’s Take a Tour:
FindHelpNowKY.org
Development Outputs

• Fully designed and tested front- and back-end environments
• Management interface to track provider engagement
• 28 one-page documents on variety of SUD topics
• Informational brochures
• Pocket cards
• Instructional videos for public and providers
• Healthcare provider-patient SUD communication guide
Kentucky Drug Overdose Technical Assistance Core (DOTAC)

KIPRC established the Kentucky DOTAC to support local health department, community coalition, and state and local agency substance misuse, abuse, and overdose evidence-based interventions and policies.

http://www.mc.uky.edu/kiprc/DOTAC/
Methamphetamine Related Events

Year and Quarter

Possession Citations  Trafficking Citations  Deaths  Tested Lab Submissions

Data are provisional and subject to change. Possession Citations are comprised of KRS 416.437, 418.130, 422.01, and 422.16. Trafficking Citations are comprised of KRS 416.431, 416.435, 416.436, 418.01, 418.01, 418.02, 418.03, and 418.04. The number of citations could be greater than the number of individuals cited; citations are with near 100% certainty based on law enforcement agencies reporting. Deaths are based on drug overdose-related deaths among Kentucky residents. Drug overdose-related hospitalizations represent encounters of care among Kentucky residents and could be greater than the number of individual patients treated in state care facilities. Drug overdose-related emergency department visits represent encounters of care among Kentucky residents and could be greater than the number of individual patients treated. To avoid duplicate counts, emergency department visits excluded includes resulting in hospitalization. Tested lab submissions data represents those submissions submitted to the lab for identification purposes; quantity is not reflected. Lab bills represent submissions tested within the corresponding timeframe; submission data is not reflected.

Figure 12:

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

Prescriptions dispensed per 1,000 persons

Quarter, Year ——— Trendline


Rates of Schedule II Stimulant Dispensing in Kentucky by Age and Gender, 4th Quarter 2017

Prescriptions dispensed per 1,000 persons

Age in years

Female
Male
Questions?

Terry Bunn, PhD
Associate Professor, Preventive Medicine and Environmental Health, and Epidemiology
Director, Kentucky Injury Prevention and Research Center
University of Kentucky, College of Public Health
333 Waller Ave., Suite 242
Lexington, KY 40504
859-257-4955

Survey Via Email

✓ Give me your feedback
✓ Suggest future topics
✓ Only 3 minutes
See you soon!

CONTACT

Rachelle Seger
Community Health Research Officer
rseger@healthy-ky.org
@kyhealthfacts
(502) 326-2583

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