Kentucky All Schedule Prescription Electronic Reporting (KASPER)

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Inspector General
Cabinet for Health and Family Services

Interim Joint Committee on Health, Welfare, and Family Services
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KASPER is Kentucky’s Prescription Drug Monitoring Program (PDMP). KASPER tracks Schedule II–V controlled substance prescriptions dispensed within the state as reported by pharmacies and other dispensers, and provides a tool to help address the misuse, abuse, and diversion of controlled pharmaceutical substances.
KASPER Operation

- Over 11 million controlled substance prescriptions reported to the system each year
- Over 12.5 million report/data requests processed in 2018
- KASPER data updated within 1 to 2 days
  - Dispensers have 1 business day to report
- Reports available to authorized individuals
  - Available via web typically within seconds
  - Available 24/7 from any PC with web access
Top Prescribed Controlled Substances by Therapeutic Category based on Number of Doses - 2018

- Gabapentin 29.0% Neurontin
- Hydrocodone/APAP 25.6% Lortab, Vicodin, Norco
- Oxycodone 13.2% OxyContin, Percocet
- Tramadol 7.3% Ultram
- Alprazolam 6.8% Xanax
- Clonazepam 5.0% Klonopin
- Amphetamine 4.1% Adderall
- Buprenorphine/Naloxone 3.4% Suboxone
- Lorazepam 2.9% Ativan
- Pregabalin 2.7% Lyrica
- Xanax
KASPER Features and Activities

- Death notification letters
- Drug conviction information
- Non-fatal drug overdose flag
- Prescriber report card
- Pain clinic closings
- Research collaborations
KASPER Research Collaborations

• University of Michigan, Stephen M. Ross School of Business
  *How Well Do Doctors Know Their Patients? Evidence from a Mandatory Access Prescription Drug Monitoring Program*

• MITRE Corporation
  *Development of prediction horizon and criteria to identify persons at risk; geo-spatial and geo-temporal charts; identification of emerging polypharmacy and aberrant patterns*

• University of Louisville
  *Emergency Medical Services utilization, law enforcement interaction, and recent incarceration trends prior to opioid overdose deaths*

• University of Kentucky
  *CARE2HOPE, a study of rural counties severely impacted by the opioid epidemic within the Kentucky River Area Development Districts*

• Harvard University
  *Analysis of opioid prescribing from 2001 to present including stratification by high versus low volume prescribers, prescriber geography and specialty*
Speakers

- Dr. Connie White, Senior Deputy Commissioner, Department for Public Health
- Van Ingram, Executive Director, Office of Drug Control Policy
- Dr. David Danhauer, Chief Medical Information Officer, Owensboro Health
- Mike Rodman, Executive Director, Kentucky Board of Medical Licensure
- Marcella Wright, Deputy Executive Director, Office of Application and Technology Services
Health and Medical Response Plan for Displaced Opioid Patients

The processes implemented following notification of the closure of a medical clinic within Kentucky that prescribes opioids and other controlled substances, which would include the death of a provider in a pain clinic/practice
Displaced Opioid Patient Workgroup

- Department for Behavioral Health, Developmental and Intellectual Disabilities (DBHDID)
- Department of Medicaid Services (DMS)
- Department for Public Health (DPH)
- Drug Enforcement Agency (DEA)
- KY Board of Emergency Medical Services (KBEMS)
- KY Hospital Association (KHA)
- KY Board of Nursing (KBN)
- KY Poison Control Center (KPCC)
- KY Board of Pharmacy (KBoP)
- Office of Drug Control Policy (ODCP)
- Office of Inspector General (OIG)
- CHFS Office of Public Affairs
- KY American College of Emergency Physicians (KACEP)
- KY Board of Dentistry (KBD)
- KY Board of Medical Licensure (KBML)
- KY Board of Nursing (KBN)
- KY Board of Pharmacy (KBoP)
- KY Pharmacists Association (KPhA)
- KY Primary Care Association (KPCA)
- KY Society of Health-System Pharmacists (KSHP)
KPCC Opioid Crisis Hotline
Toll-free Number: 1-800-854-6813

Website: www.kypoisoncontrol.com
Previous PDMP Workflow

**Ambulatory**
- PDMP Delegates
- Manual Pulls by Clinical Staff
  - Selected Patients
  - Logins to Web Portal (Link in Epic)
  - Multi-step, Minimum 4 Item Match
  - Printing
  - Paper Scanning
  - 5 Minutes/Patient

**Inpatient**
- PDMP Delegates
- Call Center Staff
  - Every Admission (No ED Patients)
  - 10-20 Minutes/Patient
  - 40 Patients/Day
  - Paper Document Scanned into Media Manager
  - ~1 FTE / $80,000/year
Epic / RxCheck / PDMP Integration

Project Beginnings

- KY HIE (KHIE) Clinical Advisory Board
  - Kentucky All Schedule Prescription Electronic Reporting (KASPER)
  - KASPER Integration Project
- CDC/Department of Justice Initiative presented 11-2017
  - 3 pilot sites across the country.
  - Owensboro Health was the sole Epic site.
- KASPER PDMP initiated work with RxCheck and Epic in 12-2017
- Owensboro Health brought into the project 9-2018
Project Beginnings

-RxCheck PDMP Hub
  - Enables states to securely and efficiently share Prescription Drug Monitoring Program (PDMP) data
  - Developed with support from the U.S. Bureau of Justice Assistance (BJA)
  - Uses the Prescription Monitoring Information Exchange (PMIX) National Architecture specifications
Epic / RxCheck / PDMP Integration

Project Beginnings

http://www.pdmassist.org/pdf/RxCheck_states_map.pdf

2019 eKASPER Presentation
Epic / RxCheck / PDMP Integration

Project Kick-off

• September 2018
  • Contract Negotiations
  • Project Scope

• October 2018 Build
  • 1 Month Timeline
  • Needed Pilot Live by November 1st
  • Pediatric Group Chosen
  • Pilot lasted 3 Months

• Organizations involved
  • Owensboro Health
  • Epic
  • Rx Check
  • KASPER

2019 eKASPER Presentation
Epic / RxCheck / PDMP Integration

IT Architecture
Epic / RxCheck / PDMP Integration

Pre:

- Labor Intensive Workflows
- Costly
  - Inpatient - $80,000/1FTE
- Delayed Care
  - Query run when available
- Fewer Queries
  - Providers delayed/didn’t run query
  - No ED patient query
- Inaccurate
  - >3% Error Rate

Post:

- Automated
  - No manual query – 10 min time saving/query
- Timely
  - Available at the needed time – no wait time
- Convenient
  - One click access (saved 15 clicks/query)
- Inexpensive
  - 2 Interfaces - $3100
  - No License Fees
  - No Maintenance costs
- Accuracy
  - <1.8% Error Rate
Questions?
THANK YOU!
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• Review of KASPER system (functionality, technology, costs) – July 2018
• Questionnaire to obtain comparison information from five (5) other state PDMPs – July 2018
• State CIO Chuck Grindle requested to review comparison information – January 2019
• CMS approved enhancements to KASPER system – December 2018

System comparison included in KASPER packet
QUESTIONS?

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