

Kentucky All Schedule Prescription Electronic Reporting (KASPER)

**Steven D. Davis
Inspector General
Cabinet for Health and Family Services**

**Interim Joint Committee on Health, Welfare, and Family Services
November 18, 2019**

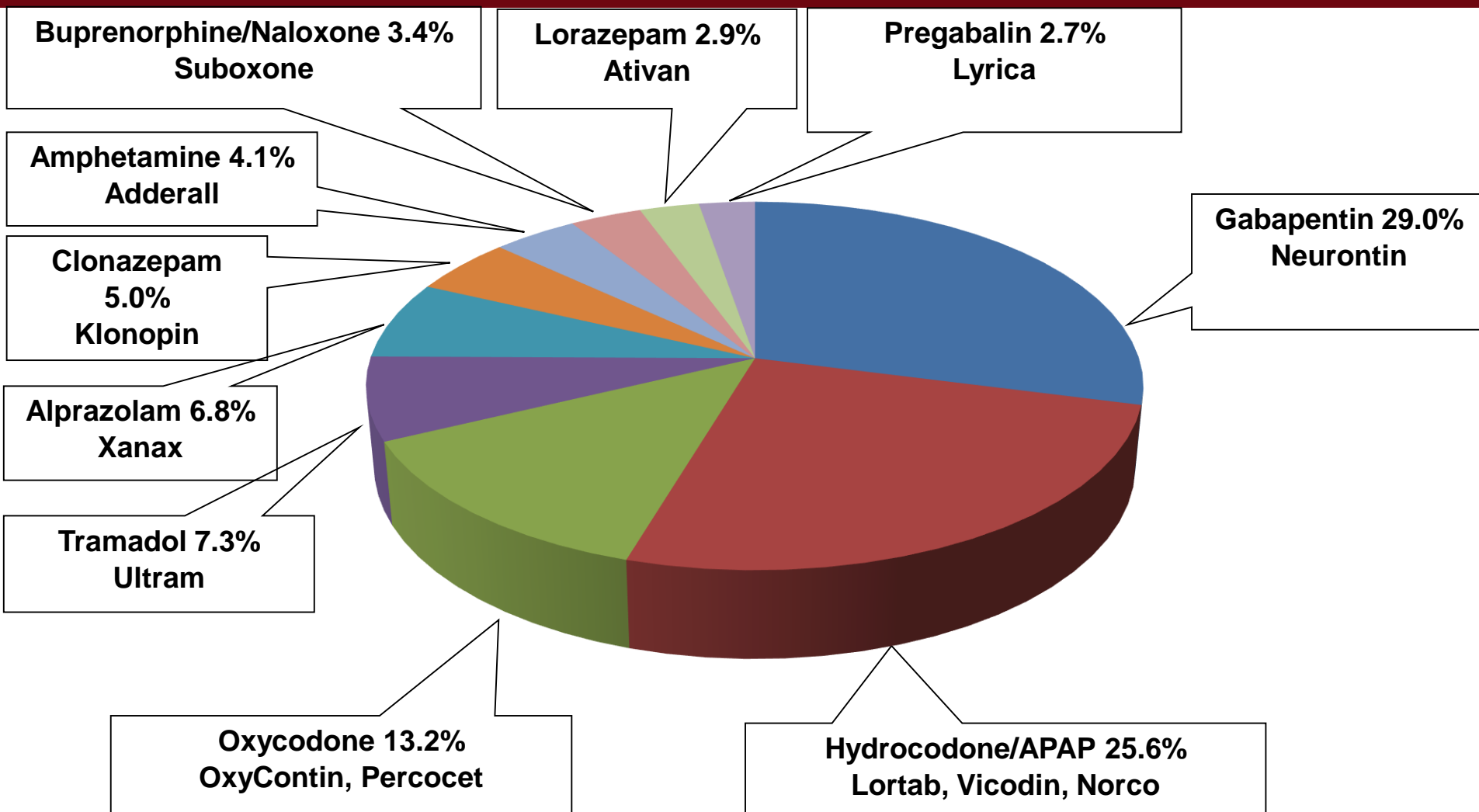
KASPER

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



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 Poison Control Center (KPCC)
- 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



Epic / RxCheck / PDMP Integration

November 18th, 2019

Epic / RxCheck / PDMP Integration

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

Epic / RxCheck / PDMP Integration

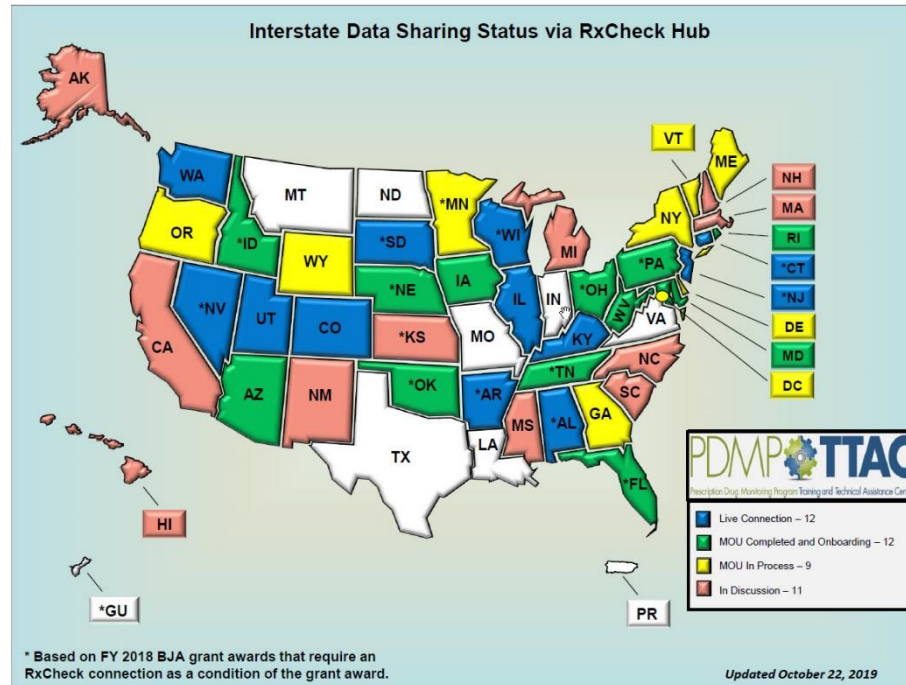
Project Beginnings

- 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.pdmpassist.org/pdf/RxCheck_states_map.pdf

Epic / RxCheck / PDMP Integration

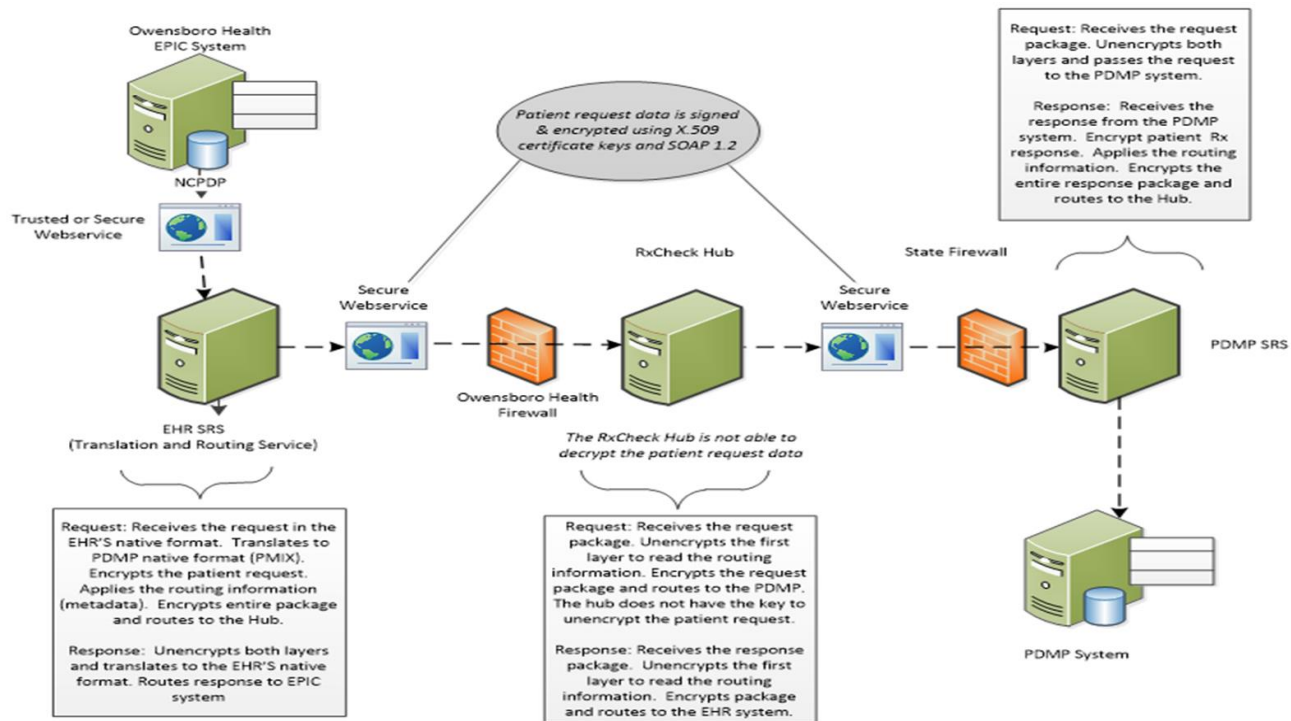
Project Kick-off

- 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



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!



• Contact Info

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KASPER System Comparison

- 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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