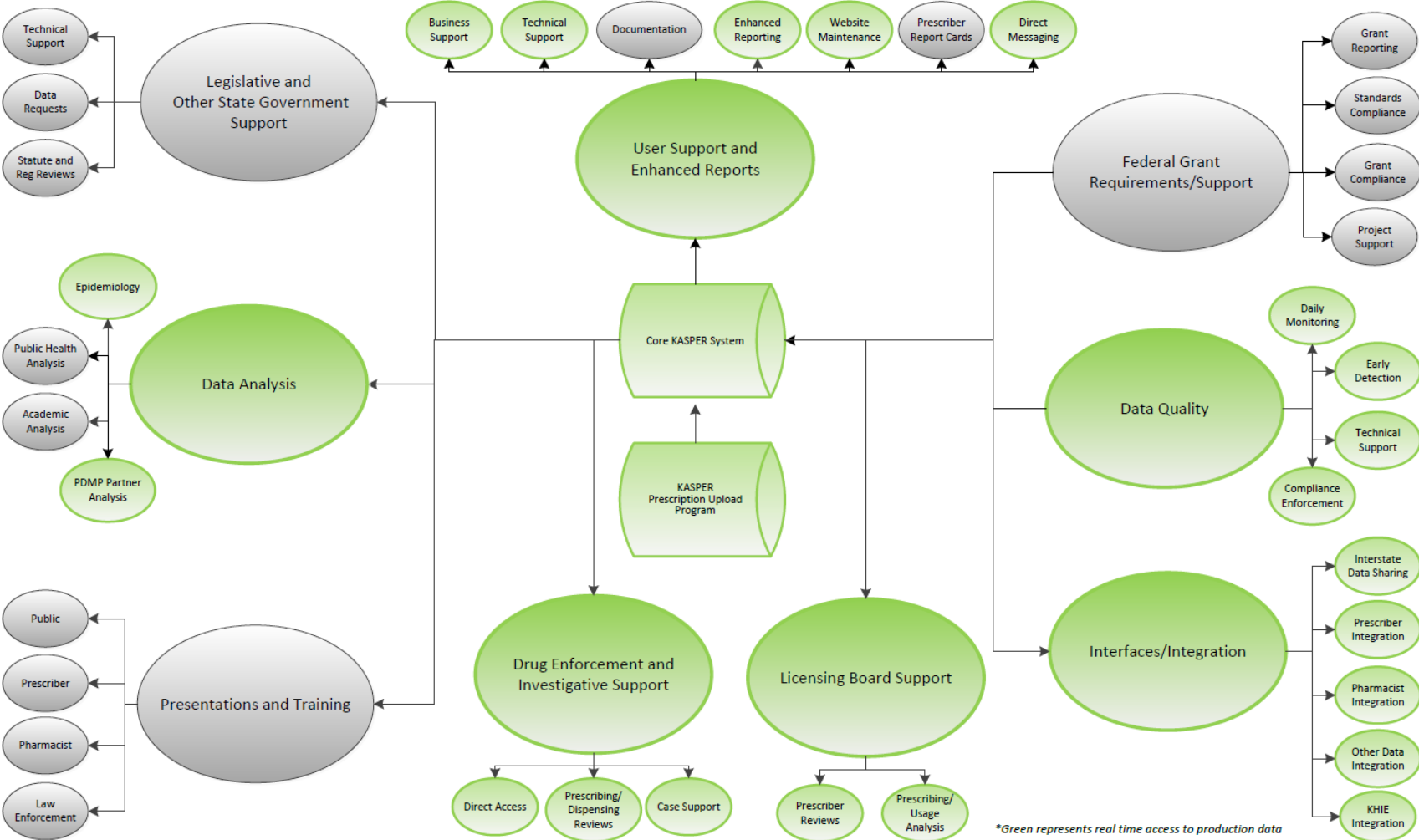


KASPER Functionality Overview

Description

This diagram highlights the various entities and processes that are integral to KASPER operations. Although KASPER Patient Reports are the primary function of a Prescription Drug Monitoring Program (PDMP), the use of KASPER data has far reaching implications. Collaboration with Licensure Boards, Law Enforcement, and academic partners forge the foundation of KASPER. From enhancing interfaces and integrations to promote ease of use and intuitive solutions from within Electronic Health System workflows, to Licensure Board Reviews and Law Enforcement Investigations, KASPER data supports not only public health policies and research, but focuses on patient safety and regulatory compliance.

Overview of KASPER Functionality and Linkages



Opioid Overlaps

Description

Overlapping opioids represent a risk for patient safety. With patient care sometimes involving multiple providers noting overlapping opioids assists prescribers with clinical decision-making on prescribing controlled substances.

Phase 1 – Prescriber Report Card

In this phase the Prescriber Report Card notes all patients with three or more days of overlapping opioid prescriptions from all prescribers. With this information prescribers can review the patient report for more detailed information on the type, quantity and date information from all prescribers. The Prescriber Report Card is produced on a quarterly basis.



Patients filling three days or more of overlapping opioid prescriptions from all prescribers	
Patient Name	Patient Date of Birth
Patient Adam	11/07/1944
Patient Bob	01/13/1964
Patient Carrie	12/29/1963
Patient David	06/13/1958
Patient Edwin	09/04/1955

Phase 2 – Patient Report

This future enhancement shall display overlapping opioids on the patient report itself. Prescribers can quickly view the report to identify overlapping opioids and note key information, including type of drug, daily MED, quantity, date filled, and information on the prescriber.

Interstate Data Sharing

Description

As one of the first states to implement Interstate Data Sharing, KASPER current shares with 18 states, including all Kentucky border states. KASPER currently shares with Alabama, Arkansas, Colorado, Florida, Illinois, Indiana, Maryland, Michigan, Minnesota, Missouri, New Mexico, Ohio, South Carolina, Tennessee, Utah, Virginia, Washington and West Virginia.

In July 2021, KASPER implemented new Informed Interstate Data Sharing (IIDS) functionality that utilizes routine analysis of the prescription records reported to identify geographic trends in the dispensing of prescriptions to out of state patients and Kentucky patients receiving prescriptions from out of state prescribers. Based on those trends, the KASPER system will suggest states to query to its users. Border states are suggested based on geographic proximity. Home states are always suggested for queries on out of state residents. Users may choose to incorporate the suggestions and other states based on their knowledge of the patient.

Other States Selection

Suggestions for Other State Selection
Based on your location and patient address, the following states are suggested for interstate requests:

Suggested States:
UT - Utah

*Analysis is based on the dispensed prescription records within the KASPER system. This analysis should not supersede other information you may have regarding the patient and interstate dispenses.

Other States

Select Suggested States	Clear All									
<input type="checkbox"/> AK	<input type="checkbox"/> AL	<input type="checkbox"/> AR	<input type="checkbox"/> AZ	<input type="checkbox"/> CA	<input type="checkbox"/> CO	<input type="checkbox"/> CT	<input type="checkbox"/> DC	<input type="checkbox"/> DE	<input checked="" type="checkbox"/> FL	<input type="checkbox"/> MA
<input type="checkbox"/> GA	<input type="checkbox"/> GU	<input type="checkbox"/> HI	<input type="checkbox"/> IA	<input type="checkbox"/> ID	<input type="checkbox"/> IL	<input type="checkbox"/> IN	<input type="checkbox"/> KS	<input type="checkbox"/> LA	<input type="checkbox"/> ND	<input type="checkbox"/> NE
<input type="checkbox"/> MD	<input type="checkbox"/> ME	<input type="checkbox"/> MI	<input type="checkbox"/> MN	<input type="checkbox"/> MO	<input type="checkbox"/> MS	<input type="checkbox"/> MT	<input type="checkbox"/> NC	<input type="checkbox"/> PA	<input type="checkbox"/> RI	<input type="checkbox"/> WV
<input type="checkbox"/> NH	<input type="checkbox"/> NJ	<input type="checkbox"/> NM	<input type="checkbox"/> NV	<input type="checkbox"/> NY	<input type="checkbox"/> OH	<input type="checkbox"/> OK	<input type="checkbox"/> OR	<input type="checkbox"/> VA	<input type="checkbox"/> VT	<input type="checkbox"/> WA
<input type="checkbox"/> SC	<input type="checkbox"/> SD	<input type="checkbox"/> TN	<input type="checkbox"/> TX	<input checked="" type="checkbox"/> UT	<input type="checkbox"/> WA	<input type="checkbox"/> VT	<input type="checkbox"/> WA	<input type="checkbox"/> WI	<input type="checkbox"/> WV	<input type="checkbox"/> WY
<input type="checkbox"/> WY										

Accept Cancel

*Grayed out states are not currently available
*The more states selected, the longer it may take to process your report request.

Direct Messaging

Description

KASPER implemented a new module that will provide the capability to securely communicate with and between KASPER users, including groups of users such as those prescribing and/or dispensing to a specific patient, or to peer users. This new feature is intended to allow sharing of information, concerns, and even warnings or alerts among the user groups. This functionality will improve communications and awareness among KASPER users, of issues and concerns related to patient treatment and provider safety. Direct Messaging functionality will include three types of communications:

- **Mass Communications:** Designated team members from Office of Inspector General (OIG), Drug Enforcement Agency (DEA) and Kentucky State Police (KSP) will be able to send mass communications out to the KASPER end users. These will be one-way communications to alert users to suspicious activities, educate users and share statutory or regulatory changes. (Phase I)
- **Support Communications:** KASPER end users will be able to send support request messages to the Office of Inspector General's Drug Enforcement and Professional Practices branch, key law enforcement contacts and the KASPER Technical Helpdesk. This shall be a two-way communication where the end user can submit a support request and the recipient of the user group shall be able to respond. (Phase II)
- **Peer to Peer Communications:** As part of the peer-to-peer communications, a Prescriber or a pharmacist will be able to send a message to other Prescribers or Pharmacists that are associated with a particular patient. This communication can be performed after a user requests a patient report and be restricted only communicate with the prescribers or pharmacists listed in the patient report. This shall be a two-way communication where the recipient can send a response back to the sender. (Phase III)

Phase I of this project, Mass Communications, was rolled out in September 2021. The screenshot that follows below illustrates the complex functionality that was developed to allow the authors to identify specific KASPER user types across geographic areas and pinpoint messaging as appropriate.

Step 1 - Choose Subject Line

Choose a Subject Line/Title For Your Message :

Notification regarding Forged Prescription

Allows the author to choose predetermined message types.

High Priority

Step 2 - Choose Recipients

Choose an Account Type:

Medical Account types

Allows the author to pick any or all of the various KASPER User types.

All KASPER Users

Choose one or more Users by their Area of Work:

- APRN/NP
- Dentist
- Institutional Master Account - For CMO's Only
- Medical Examiner
- Optometrist
- Pharmacist

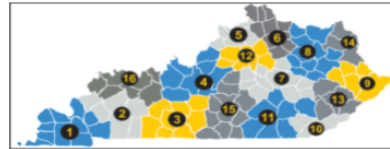
Step 3 - Select Recipients from Geographic Areas ([List of counties/ Cities per Area](#))

Choose one or more Areas you want to send your message:

- Area 1
- Area 2
- Area 3
- Area 4
- Area 5
- Area 6
- Area 7
- Area 8
- Area 9
- Area 10
- Area 11
- Area 12
- Area 13
- Area 14
- Area 15
- Area 16

Select all Areas

Map of Areas by County



Allows the author to send to the above selected users in a specific geographic area.

Please click on confirm selections button anytime you make any changes to the selections on steps 1 through 3

Confirm/Update Selections

Reset Selections

7 Recipients Selected

List of Recipients

To: APRN/NP - Area 2; Optometrist - Area 16; Pharmacist - Area 16; Pharmacist - Area 2; Physician - Area 2

Type in your message here... Click send to submit it.

Preview

Send


KASPER Patient Report

Description

The patient report is an essential feature of KASPER. It displays information useful for prescribers with clinical decision making on prescribing controlled substances to include a detailed history of controlled prescription drugs, the Active Cumulative Morphine Equivalent (ACME) number, a list of the current patient name, DOB and address information, and a hyperlink to FindHelpNowKY to locate substance abuse treatment centers if warranted.

At their option, the KASPER user can also query for other supporting information:

- **Interstate Data Requests:** Other states may have controlled prescription drug information on the patient and the user can request data from these other states.
- **KHIE:** The Kentucky Health Information Exchange collects information on possible overdose visits to the ER that can be queried.
- **AOC:** The Administrative Office of the Courts has information on drug convictions that can assist prescribers when prescribing controlled substances.



**Fictitious
Patient/Prescriber**

CABINET FOR HEALTH AND FAMILY SERVICES
Commonwealth of Kentucky
275 East Main Street
Frankfort, KY 40621-0001
Drug Enforcement Branch - KASPER
Patient Controlled Substance Report
Between 09/23/2020 and 09/23/2021

Requestor Name : crout, testpre
Request # : 7711904


Patient Name: Tribbiani, Joey

Patients that matched the search criteria:

Pat ID	Patient Name	DOB	Address
1	Tribbiani, Joe	2/12/1971	657 Eastlawn Street, LOUISVILLE, KY
2	Tribbiani, Joey	2/12/1971	123 Main Street, Bardstown, KY
3	Tribbiani, Joey	2/12/1971	657 Eastlawn Street, LOUISVILLE, KY
4	Tribbiani, Joie	2/12/1971	657 Eastlawn Street, LOUISVILLE, KY
5	Tribbiani, Joseph	2/12/1971	657 Eastlawn Street, LOUISVILLE, KY

Active Cumulative Morphine Equivalent *

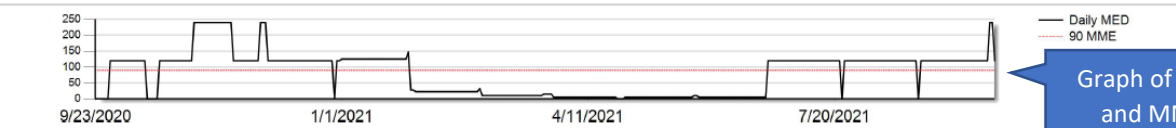
120



An ACME >= 90 MME may warrant increased clinical vigilance and a Rx for naloxone. See final page of report for ACME and naloxone information.

Warning displayed for high values

Locate available treatment resources: <http://bit.ly/FindHelpNowKY>



Graph of MED and MME

Date Filled	Drug Name	Patient DOB	Qty	Days	Prescriber Name	Prescriber DEA City	Pharmacy Name	Pharmacy City	Rpt To	Daily MED*	Pat ID
09/29/2020	Fentanyl 50MCG/HR	02/12/1971	60	15	ROBY STEVEN	Owensboro	Owensboro Health Outpatient Pharmacy	Owensboro	KY	120	3
10/19/2020	Fentanyl 50MCG/HR	02/12/1971	60	30	ROBY STEVEN	Owensboro	Owensboro Health Outpatient Pharmacy	Owensboro	KY	120	2
11/02/2020	Fentanyl 50MCG/HR	02/12/1971	30	30	ROBY STEVEN	Owensboro	Owensboro Health Outpatient Pharmacy	Owensboro	KY	120	3
11/29/2020	Fentanyl 50MCG/HR	02/12/1971	60	30	ROBY STEVEN	Owensboro	Owensboro Health Outpatient Pharmacy	Owensboro	KY	120	3
12/30/2020	Fentanyl 50MCG/HR	02/12/1971	60	30	ROBY STEVEN	Owensboro	Owensboro Health Outpatient Pharmacy	Owensboro	KY	120	3

Rx Drug History

*The information in this report is based upon Schedule II through V controlled substance records reported by dispensers. Data should appear on KASPER reports within two to three business days after dispensing.
 **The records listed in the report are based on the patient identification information entered by the report requestor, and if not sufficiently unique may result in the report including records for multiple patients. Please verify the information in the report by contacting the prescribers and/or dispensers listed.
 *If the controlled substance records on this report appear to be in error, the patient or provider should contact the dispenser to determine if the information was reported accurately. If the dispenser certifies the information was reported accurately, the dispenser can contact the Drug Enforcement and Professional Practices Branch at 502-564-7985 to investigate the error.
 *The information in this report is intended for informational use only by the person authorized to request the report. Intentional disclosure of the report or data to someone not authorized to obtain the data is a Class B Misdemeanor.

09/24/2021

Report Restrictions – A practitioner or pharmacist may share the report with the patient or person authorized to act on the patient’s behalf and place the report in the patient’s medical record, with the report then being deemed a medical record subject to the same disclosure terms and conditions as an ordinary medical record. (KRS 218A.202)

Page 1 of 4

Electronic Health Record and Pharmacy Management System Integration

Description

Integration provides simplified and efficient access to KASPER report data within a prescriber or pharmacist workflow while maintaining the requirements of Kentucky statute and regulation. This functionality allows the KASPER report to be viewed in the individual patient’s record alongside other important clinical information. KASPER’s integration methodology relies on sharing data through established Prescription Drug Monitoring Program (PDMP) intermediaries: the RxCheck Hub, the PMP Interconnect Hub and the Kentucky Health Information Exchange. A full spectrum of integration options from data sent directly to the electronic health record system to enhanced views provided by approved integration vendors.

As of September 30, 2021, KASPER has integrated with 83 organizations across the Commonwealth providing KASPER reports to 9808 prescribers and pharmacists within their systems. These integrations include hospital (H), ambulatory (A) and pharmacy (P) access as indicated behind the organizations listed below. The highlighted organizations are multi-facility entities.

Advanced Internal Medicine (A)	Lifepoint - Meadowview Medical Center (H)
Advanced Pain Treatment Center (A)	Lifepoint: Lake Cumberland Regional Hospital (H)
AdventHealth Manchester (H)	Lifepoint - Jackson Purchase Medical Center (H)
AdventHealth Manchester - Ambulatory (A)	Lifepoint - Springview Medical Center (H)
Appalachian Regional Health (A, H, P)	Livingston Hospital and Healthcare (A, H)
Atlas Pain and Spine (A)	Louisville Center for Weight Loss/ Hurstbourne Family Care (A)
Baptist Healthcare (A, H, P)	Louisville Geriatric Assoc DBA Wall Street Medical Group (A)
Berea Clinic of Internal Medicine (A)	Mountain Comprehensive Health Corp (A)
Best Care Medical Clinic LLC (A)	Murray Calloway Hospital (A)
Bon Secours Mercy Health: Lourdes Medical Center (A, H, P)	Lexington Clinic and Lexington Radiation Therapy Center (A)
Bon Secours Mercy Health: Marcum Wallace Med Center (A, H, P)	Norton Health Care (A, H, P)
Breckenridge Health (A)	Olash Medical Associates (A)
Cassandra Stephens Family Medicine (A)	Owensboro Health (A, H, P)
Catholic Health - Flaget Memorial (H)	Paintsville HMA Physicians (A)
Catholic Health - St. Joseph London (H)	Pathways, Inc. (A)
Cedar Lake Residences Inc. (A, H)	Patrick Leung (A)
Cincinnati Children’s Medical Center (A, H, P)	Peveler Bowling Womack and Market (A)
Commonwealth Pain and Spine, Associates PLLC (A)	Premier Medical (A)
Complete Family Care (A)	Richmond Primary Care (A)
Daniel Ewen MD (A)	RiverValley Behavioral Health (A)
Deepak V. Patel MD (A)	Sensible Psychiatric (A)
Dennis A. Sparks MD INC (A)	Seven Counties Services (A)
Doublehand L1 LLC dba Renew Health and Wellness (A)	Shannon Smith Stephens (A)
East Kentucky Health Center (A)	Sparker INC DBA Meta Medical Center (A)
Family and Internal Medicine Associates (A)	St. Claire Medical Center (A, H, P)

Gilbert Graves Clinic (A)	St. Elizabeth Healthcare (A, H, P)
Grace Health (A, P)	Suzanne Pica MD (A)
Greater Louisville Internal Medicine (A)	The Cecil Clinic (A)
Harrison Memorial Hospital (A, H, P)	The Christ Hospital (A, H, P)
Hillcrest Pain and Spine PLLC (A)	The Pain Institute/M.C. Cronen & Associates (A)
Jackson Family Health and Wellness (A)	Three Rivers Medical Clinics (Quorum Healthcare) (A)
Jeffrey L. Riney, MD & Associates (A)	Timothy S. Hart, M.D., P.S.C. (A)
Jenkins Family Clinic LLC (A)	Tri Health (A, H, P)
Jennie Stuart Medical Stuart (Fairview Physician Group) (A)	Trinity Family Health (A)
Journeylite (Center for Metabolic and Bariatric Surgery) (A)	Tri-Rivers Healthcare (A)
JoyRich Healthcare (A)	University of Kentucky (A, H, P)
Kentucky Health Information Exchange (A, H, P)	University of Louisville Physicians (A, P)
Kentucky Medical Specialists (A)	Veterans Administration KY locations (A, H, P)
Kroger (P)	Village Medical (VillageMD) Providers of Central KY (A)
KY River Medical Partners (A)	Vineyard Primary Care PLLC (A)
Lewis County Primary Plus (A)	Wayne County Hospital (A)
	William D. Kirk, MD, PLLC D/B/A Lebanon Medical Associates (A)