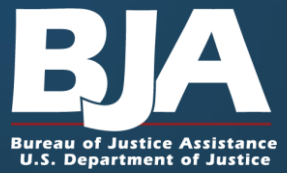
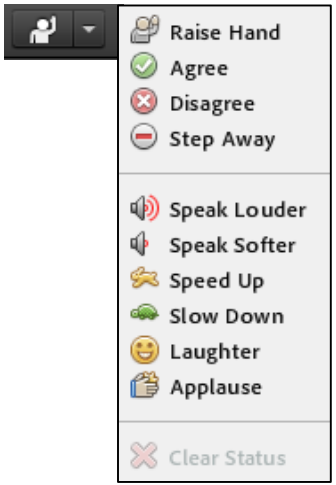
BUREAU OF JUSTICE ASSISTANCE

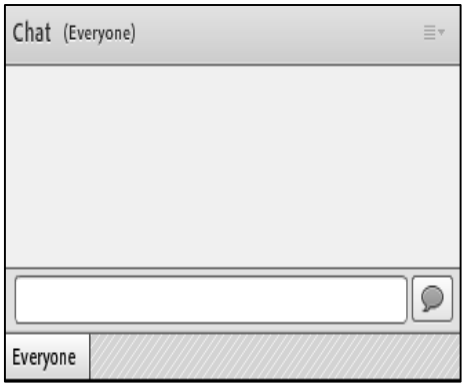
RxCHECK HUB INTEGRATION

September 25, 2019



Adobe Connect Features





*All phone lines are muted

This webinar is being recorded*

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Prescription Drug Monitoring Program Training and Technical Assistance Center

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Agenda

- Introductions
- Integrating with RxCheck
- New Features to further simplify Integration
- Kentucky Integrations – Lessons Learned
- Questions

Integrating with RxCheck

- RxCheck encourages integration
- Integration is relatively easy and getting easier
- No Annual or Recurring cost to Provider or Health Facilities

Who can Integrate with RxCheck?

- Any health care entity approved by a connected state PDMP
- No direct connections are currently allowed

New Features to Ease Integrations

- Health Entity onboarding with approval workflow
- RESTFul HTML Endpoint
- Federated query support for HTML Endpoint
- Support FHIR standard in SRS
- Throttle messages coming into PDMP
- PDMP real-time analytics dashboard

Sample RxCheck HTML Report

RxCheck PMP Report

Print

John Doe

09/15/1950

Report Date : 09/19/2019
Report Time : 09:23 AM
Status

Patient Demographics

Name	Birth Date	Address	City	State	Zip	Count
John Doe	09/15/1950	123 James Ct	Edison	WI	08817	13

Showing 1 to 1 of 1 entries

Previous 1 Next

Medical Prescription History

Fill Date	Drug	Strength	Qty	Days	Prescriber	Pharamacy	Refill	Payment Mode	State
07/25/2018	Quinidine Gluconate	0	10	5	HOWARD W DAVIS	CHILDREN'S HOSPITAL OF WISCONSIN	5	Self	GG
08/07/2018	Lisdexamfetamine Dimesylate	0	55	2	HOWARD W DAVIS	SHOPKO PHARMACY 604	5	Self	TT
08/23/2018	Methylphenidate	0	50	22	HOWARD W DAVIS	WALGREEN CO.	5	Self	GG
09/05/2018	Dulaglutide	0	15	16	ELLEN N CANOPY	WALGREEN CO.	5	Self	GG
09/15/2018	Methylphenidate HCl	0	70	2	ELLEN N CANOPY	WALGREEN CO.	5	Self	GG
10/29/2018	Pentazocine w/ Naloxone	0	50	19	HOWARD W DAVIS	THE PRESCRIPTION CENTER	5	Self	GG
11/02/2018	Hydromorphone HCl	0	70	11	MADISON CHU	SHOPKO PHARMACY 604	5	Self	TT
11/05/2018	Hydromorphone HCl	0	45	24	MADISON CHU	CUBA CITY HOMETOWN PHARMACY LLC	5	Self	GG

Response Status

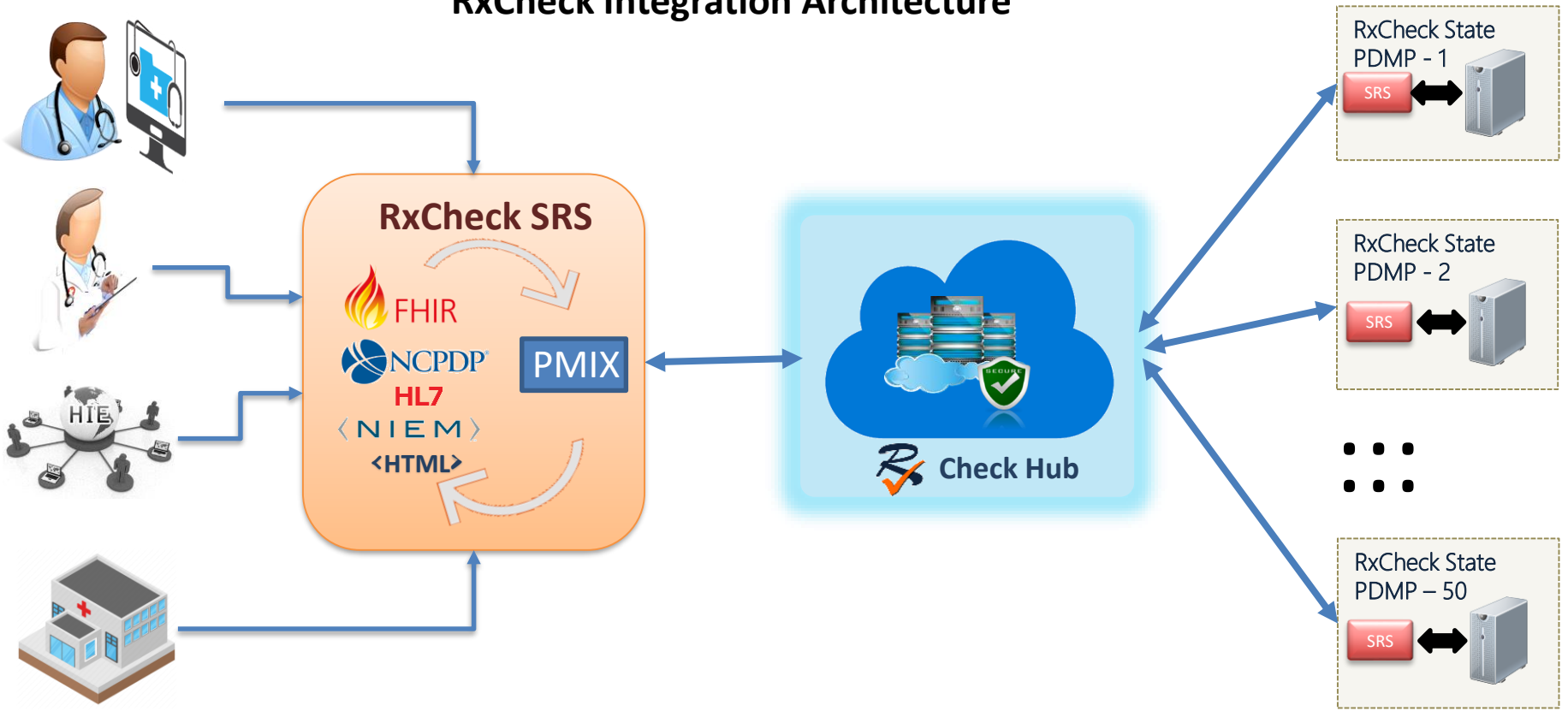
PMP	Status
GG	Provided
TT	Provided
KK	NoData

Close

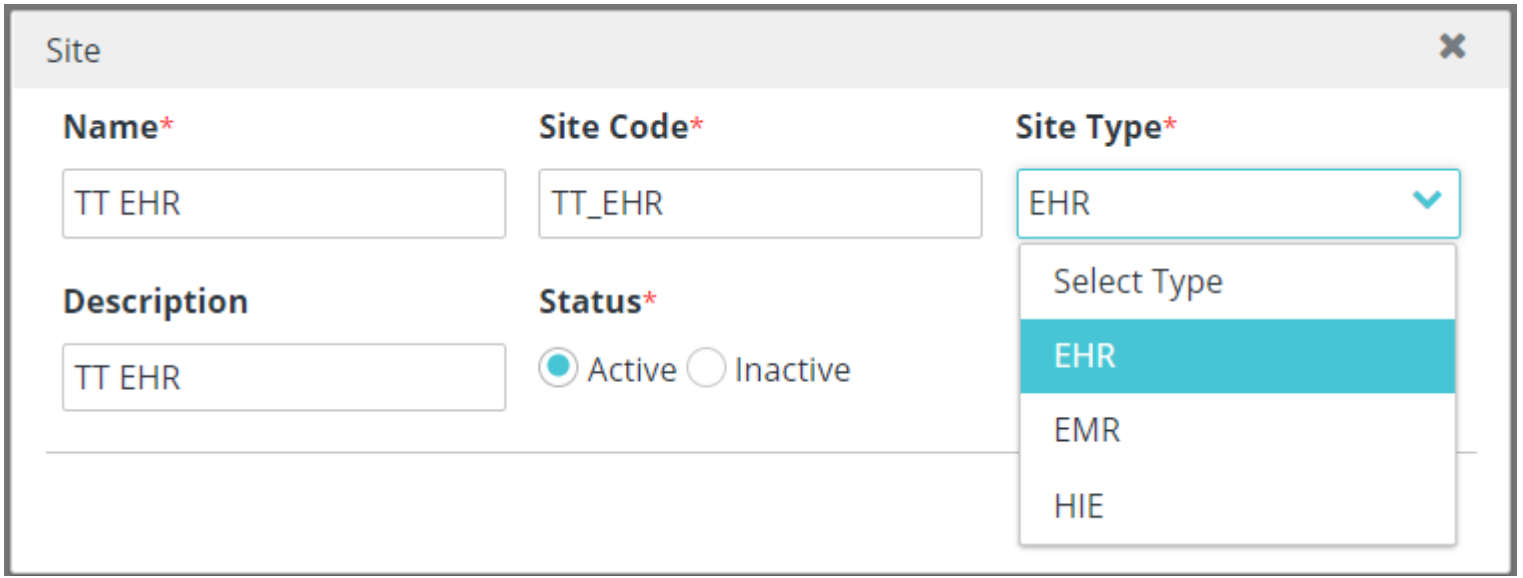
What Standards are Needed?

- NCPDP Script v10.6
- NIEM
- PMIX
- FHIR 3.0

RxCheck Integration Architecture

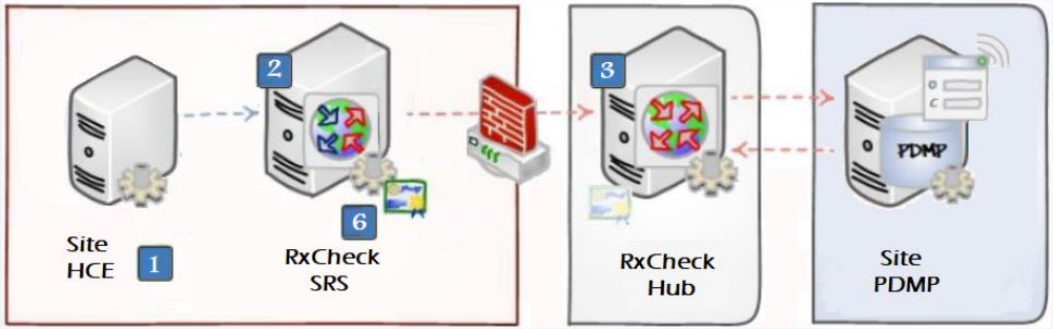


Creating Health Entity - RxConsole



SRS Configuration for Health Entity - RxConsole

Site Configuration



Save

+ 1 Site Unique Identifier / Description

+ 2 SRS Outbound Sender Endpoint

+ 3 RxCheck Hub Service Host Endpoint

+ 6 SRS Certificate

Save

RxCheck Security

- Hosted on Azure Government Cloud and the infrastructure is CJIS, HIPPA and FedRamp certified.
- All RxCheck servers are Linux servers and Azure infrastructure is configured to detect any intrusions.
- OWASP coding standards are performed on RxCheck Hub source code
- RxCheck is compliant with NIST 800-53.
- All connections undergo conformance testing and certification
- Azure Govt Cloud - infrastructure is disaster proof for business continuity by scaling the application in multiple regions in the country
- Third party penetration testing and SOC2 Type 2 audit are currently being implemented

How does and entity begin the process?

1. The healthcare entity signs a state PDMP MOU
2. PDMP Administrator advises IJIS that they want the entity to integrate
3. IJIS sets up an integration call to walk through the integration process with the entity's technical team and/or their vendor
4. Connection process begins

What are the costs?

- No fees are charged by RxCheck
  - No connection fees
  - No user fees
  - No license or recurring fees

Vendors we have integrated with

- EPIC
- LogiCoy
- Allscripts (Touchworks)

Vendors we are integrating with now

- PastRx
- Deloitte
- Revere
- Athena Health
- eClinicalWorks v.11
- Cerner

Current RxCheck Integrations

State	Health Entity	Date Live	Integration Type	Integration Vendor	EHR Vendor
KENTUCKY	**Owensboro Health**	11/2018	EHR	Owensboro Health	EPIC
	Graves Gilbert Clinic	08/07/2019	EHR	LogiCoy	Allscripts (Touchworks)
	Jennie Stuart Health	August/September	EHR	PastRx	Athena
	Kentucky HIE (KHIE)	August/September	HIE	Deloitte	
	Baptist Health	TBD	EHR		
UTAH	**Revere Healthcare**	11/15/2019	EHR	Revere	Allscripts
	Utah Navajo Healthcare System (UNHS)	12/15/2019	EHR	LogiCoy	Athena Health
	Granger Medical	01/15/2020	EHR	LogiCoy	eClinicalWorks v.11
	University of Utah	01/15/2020	EHR	UofU/Epic	Epic
	Intermountain Healthcare (IHC)	01/15/2020	EHR	IHC/Cerner	Cerner

Integration via RxCheck Hub

Kentucky All Schedule Prescription Electronic Reporting (KASPER)

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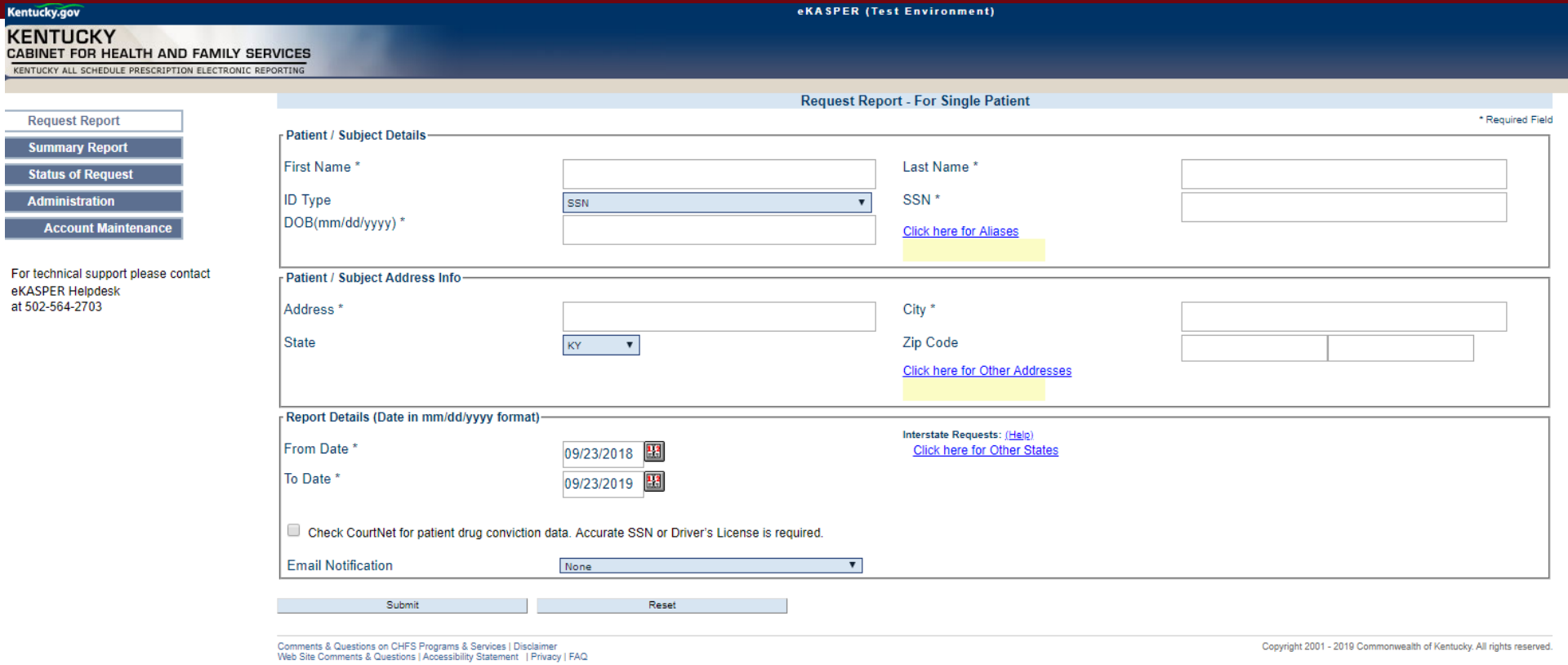
Purpose of Integration

Provide simplified access to KASPER report data in practitioner and pharmacist workflow while maintaining the requirements of Kentucky statute and regulations.

Pre-integration KASPER use



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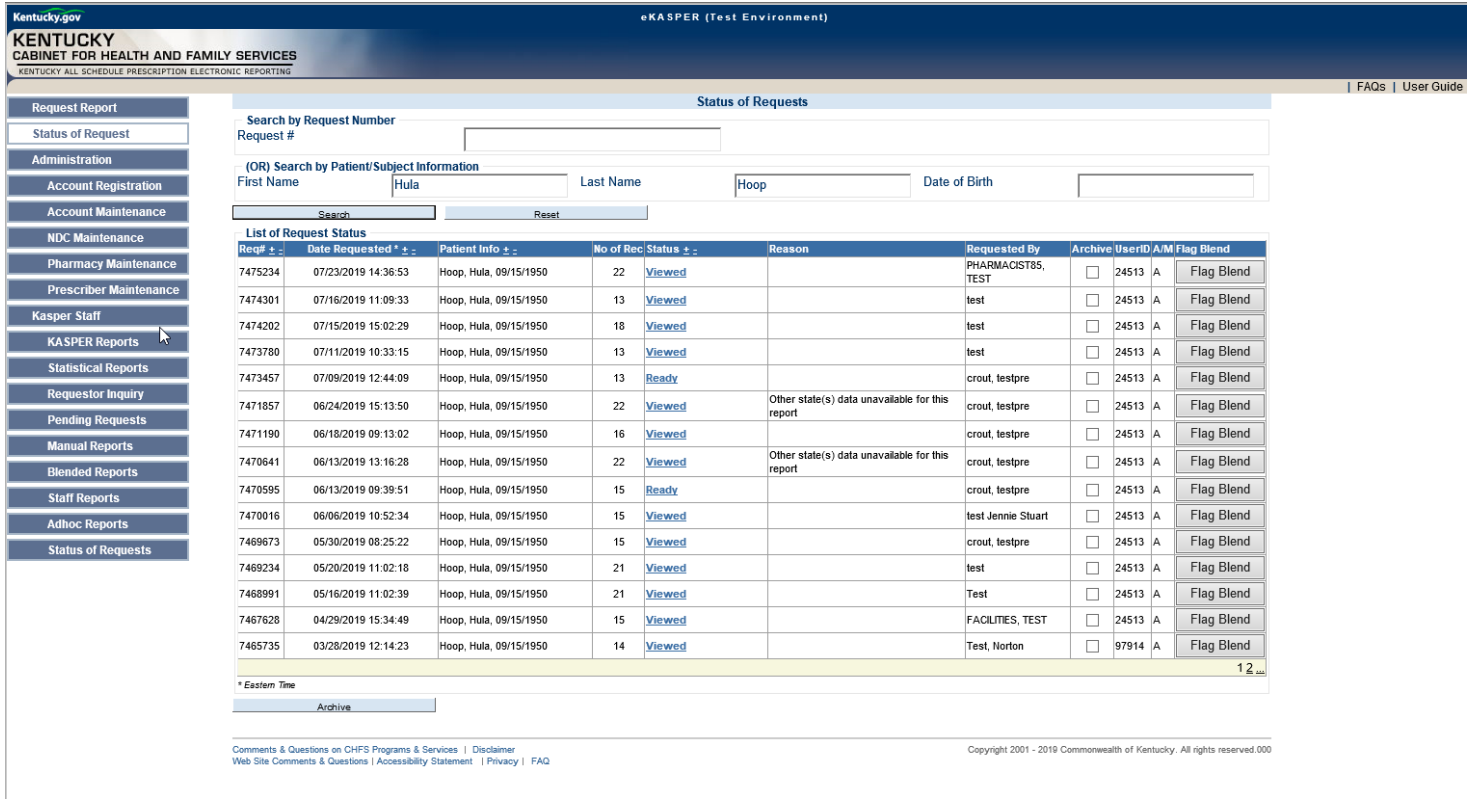
Pre-integration KASPER use



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Pre-integration KASPER use

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 07/17/2017 and 07/17/2019

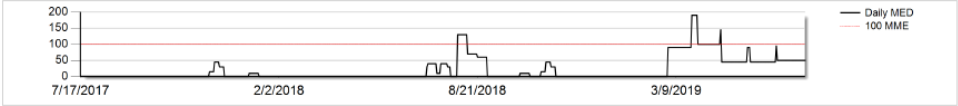
Requestor Name : Hall, Jean
Request # : 7475244

Patient Name: GOLF, ZULU

Patients that matched the search criteria:

Pat ID	Patient Name	DOB	Address
1	GOLF, ZULU	9/15/1950	123 MAIN ST., RICHMOND, KY
2	Golf, Zulu	9/15/1950	123 Main Street, Richmond, KY
3	Golf, Zulu	9/15/1950	654 South Broadway, Richmond, KY

Active Cumulative Morphine Equivalent *
50



Date Filled	Drug Name	Patient DOB	Qty	Days	Prescriber Name	Prescriber DEA City	Pharmacy Name	Pharmacy City	Rpt To	Daily MED*	Pat ID
11/24/2017	Morphine Sulfate Er 15MG	09/15/1950	10	10	AA5555555,		AA5555555		KY	15	1
11/29/2017	Morphine Sulfate Er 30MG	09/15/1950	10	10	AA5555555,		AA5555555		KY	30	1
01/03/2018	Meperidine Hcl 100MG	09/15/1950	10	10	AA5555555,		AA5555555		KY	10	1
01/18/2018	Lomotil 0.025MG/2.5MG	09/15/1950	30	30	AA5555555,		AA5555555		KY		1
01/29/2018	Xanax 0.25MG	09/15/1950	30	30	AA5555555,		AA5555555		KY		1
02/26/2018	Xanax 0.25MG	09/15/1950	30	30	AA5555555,		AA5555555		KY		1
07/01/2018	Morphine Sulfate Er 30MG	09/15/1950	10	10	AA5555555,		AA5555555		KY	30	1
07/02/2018	Meperidine Hcl 100MG	09/15/1950	20	20	AA5555555,		AA5555555		KY	10	1
07/03/2018	Alprazolam 0.25MG	09/15/1950	30	30	AA5555555,		AA5555555		KY		1
07/15/2018	Hydrocodone/Ibuprofen 10MG/200MG	09/15/1950	30	10	AA5555555,		AA5555555		KY	30	1
08/01/2018	Alprazolam 0.25MG	09/15/1950	30	30	AA5555555,		AA5555555		KY		1

*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.

07/23/2019

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)

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Integration Overview

- ✓ Agreements for Integrated Use
  - Institutional Account Agreement for Integration for hospital base services
  - Data Use Agreement for other practices
- ✓ Utilize intermediaries
  - ✓ Kentucky Health Information Exchange
  - ✓ RxCheck Hub
  - ✓ PMPGateway/PMP Interconnect Hub
- ✓ Options for presentation in your Electronic Health Record (EHR)
  - ✓ Report built in EHR
  - ✓ Enhanced view provided by approved integration partners
- Summary data cannot be provided in lieu of viewing the Rx records

Kentucky Health Information Exchange (KHIE)

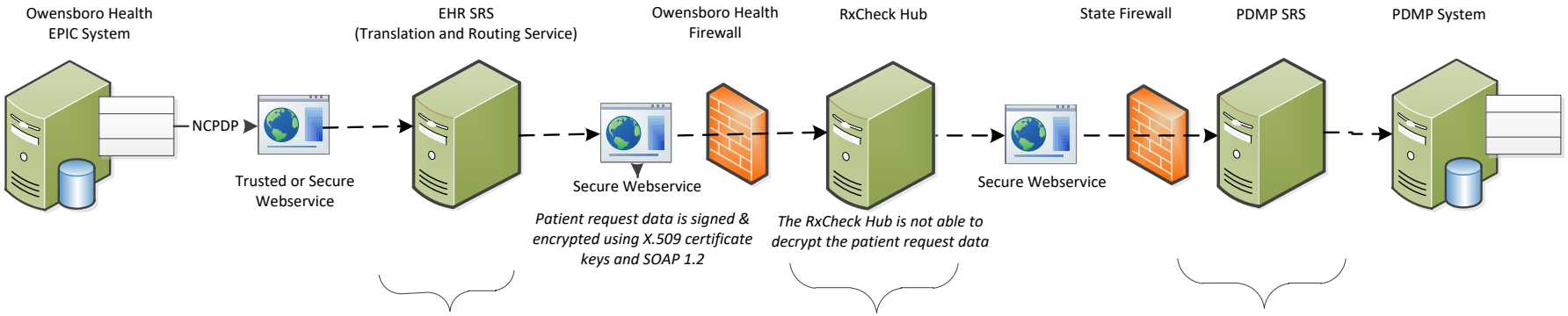
- Utilizes the RxCheck Hub as an intermediary
- IHE Integration
  - Query passed to KASPER includes patient demographics*
  - Returns KASPER data in Consolidated Continuity of Care document
  - Query in Institutional Account Master Account Holder name
- Portal
  - Query passed to KASPER includes patient demographics*
  - Returns KASPER data in Prescription Drug Monitoring Program (PDMP) tab
  - Query based on users KHIE and KASPER credentials in the Kentucky Online Gateway

**Query not passed to KASPER if patient not present in KHIE*

Sample RxCheck Integrations

- National Council for Prescription Drug Programs (NCPDP) Integration with Owensboro Health
- Logicoy integration with Graves Gilbert Clinic
- PastRx integration with Jennie Stuart Medical Center

Kentucky Integration



Request: Receives the request in the EHR'S native format. Translates to PDMP native format (PMIX). Encrypts the patient request. Applies the routing information (metadata). Encrypts entire package and routes to the Hub.

Response: Unencrypts both layers and translates to the EHR'S native format. Routes response to EPIC system

Request: Receives the request package. Unencrypts the first layer to read the routing information. Encrypts the request package and routes to the PDMP. The hub does not have the key to unencrypt the patient request.

Response: Receives the response package. Unencrypts the first layer to read the routing information. Encrypts package and routes to the EHR system.

Request: Receives the request package. Unencrypts both layers and passes the request to the PDMP system.

Response: Receives the response from the PDMP system. Encrypt patient Rx response. Applies the routing information. Encrypts the entire response package and routes to the Hub.

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Owensboro Health Integration

- Data consumed by the EHR system
- Does not re-query for 24 hours
- Viewable for all prescribers caring for the patient
- Auto-queries for scheduled appointments
- Query upon registration for Emergency Department, Inpatient, Surgical Services, etc.

Owensboro Health Integration

- List basic prescription information in a custom report
- User can hover over the drug name for additional information
- Contains same disclaimers as the KASPER system report
- Requires prescriber to acknowledge review of the report
- Can run internal reports on reviewing compliance

Graves Gilbert Clinic Integration

- Utilizes Logicoy representation of data
- Includes dynamic representation that allow the user to view various aspects of the data
- Risk Analysis
- Alerts
  - Overlapping Rx
  - Morphine Milligram Equivalents
- Automatic import into the EHR

Jennie Stuart Integration

- Utilizes PastRx representation of data
- Risk Analysis
- Alerts
  - Outside Providers
  - Overlapping Rx
  - Morphine Milligram Equivalents
- Mapping of Prescriber and Dispenser

Standardized Templates for Integration

- Test Patients
- Testing Scenarios – standard process for testing integration and demonstrating use to healthcare team members
- End User Training Guides – for prescriber and pharmacist use of PDMP reports in their integrate workflow
- Support Guide for Integration –for healthcare system technical staff

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