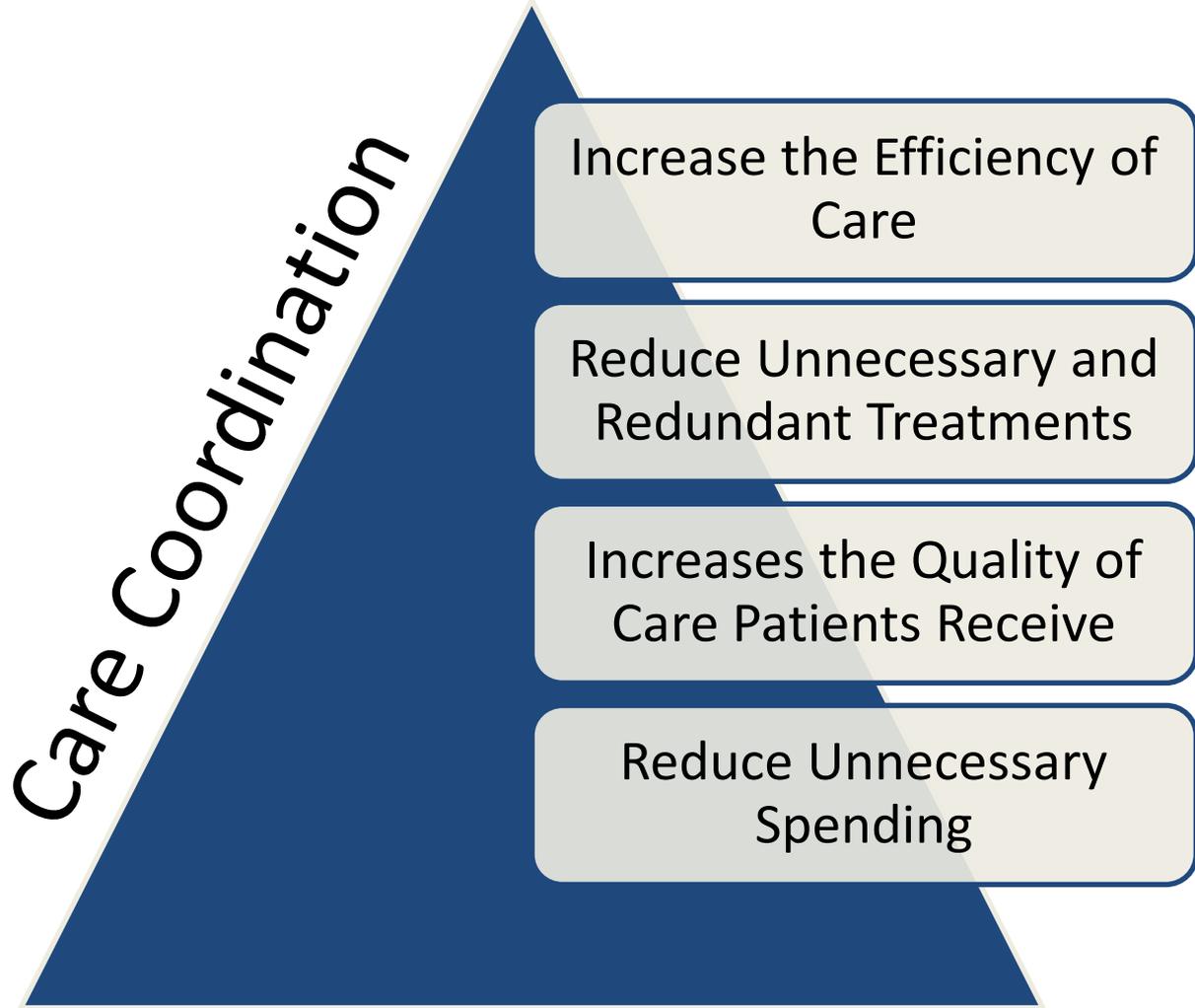




Kentucky Telehealth Summit

Importance of a Comprehensive Care Record

Andrew C. Bledsoe, Deputy Executive Director OHDA



Care Coordination

Increase the Efficiency of
Care

Reduce Unnecessary and
Redundant Treatments

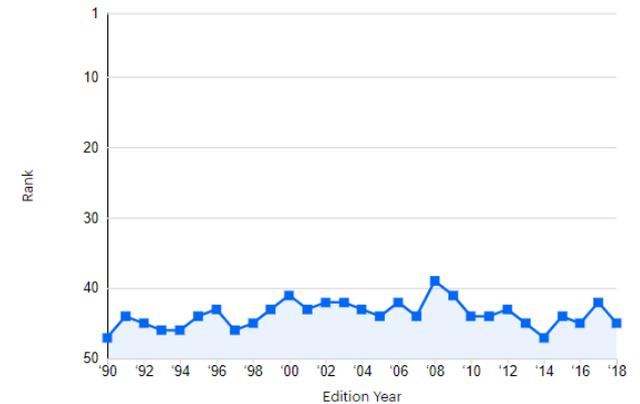
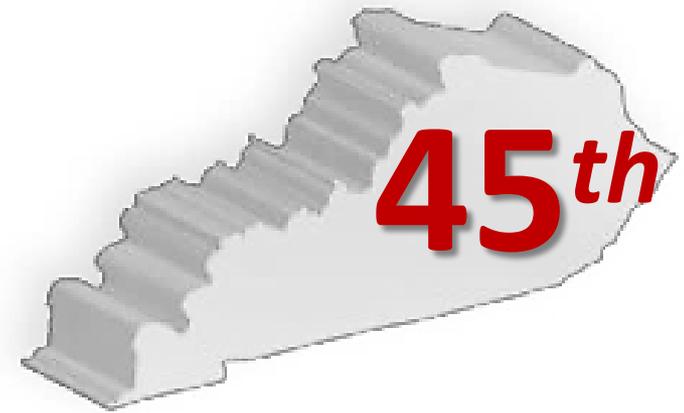
Increases the Quality of
Care Patients Receive

Reduce Unnecessary
Spending

KENTUCKY RANKINGS

2017 2018

FREQUENT MENTAL DISTRESS	48	48
CANCER DEATHS	50	50
PREVENTABLE HOSPITALIZATIONS	50	50
CHILDREN IN POVERTY	38	43
SMOKING	49	49
DRUG DEATHS	49	47
FREQUENT PHYSICAL DISTRESS	48	49
OBESITY	44	43
PREMATURE DEATH/100,000	47	47
CARDIOVASCULAR DEATHS/100,000	44	44
PHYSICAL INACTIVITY	46	50
LOW BIRTHWEIGHT	38	42
DIABETES IN ADULTS	46	44
LACK OF HEALTH INSURANCE	9	8
HIGH SCHOOL GRADUATION	8	7



Better healthcare



Improving patients' experience of care within the Institute of Medicine's 6 domains of quality: *Safety, Effectiveness, Patient-Centeredness, Timeliness, Efficiency, and Equity.*

Better health



Keeping patients well so they can do what they want to do. Increasing the overall health of populations: address behavioral risk factors; focus on preventive care.

Reduced costs

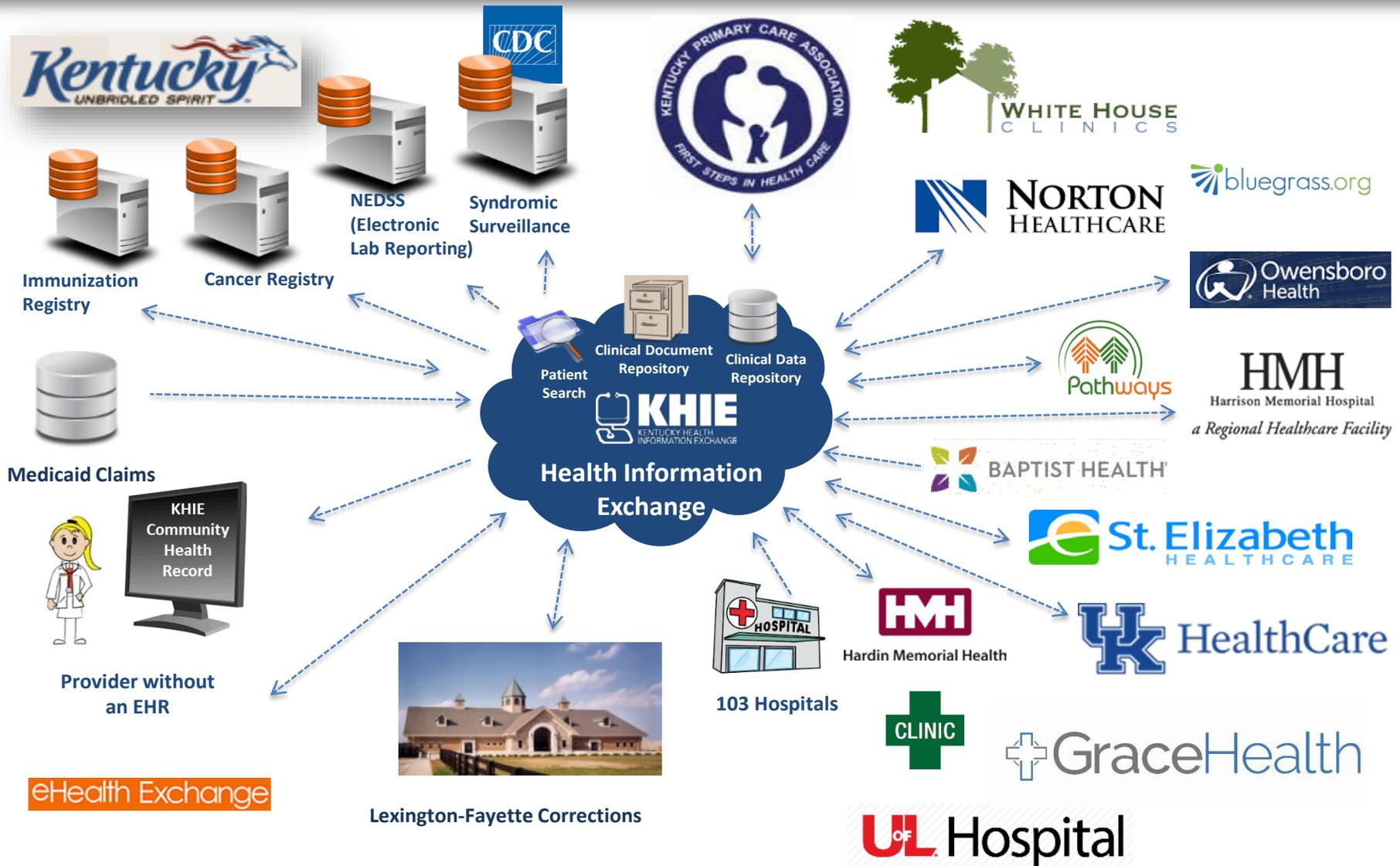


Lowering the total cost of care while improving quality, resulting in reduced monthly expenditures for Medicare, Medicaid, and CHIP beneficiaries. Supporting new models of payment.

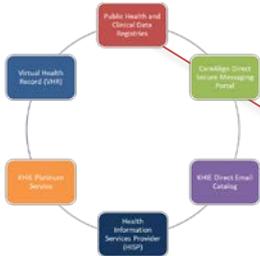


Health Information Technology

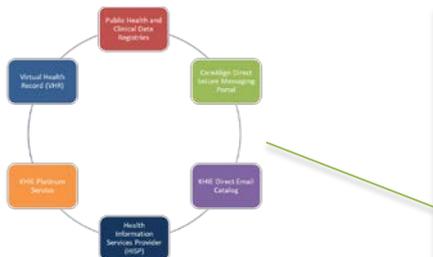








- Kentucky Immunization Registry
- CDC BioSense - Syndromic Surveillance
- Kentucky Cancer Registry
- KHIE Advance Directive Registry
- KHIE Platinum
- Electronic Lab Reporting - NEDSS

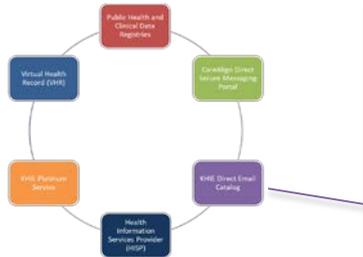


- Clinic
- Hospital
- Critical Access Hospital
- Behavioral Health



- Long Term Care Facility
- Nursing Home
- Home Health
- Hospice





Direct Provider Search

*** Enter your direct email address:**

First Name:

Last Name:

Specialty:

Select One

City:

County:

Select One

Organization Name:

Select One

Organization Type:

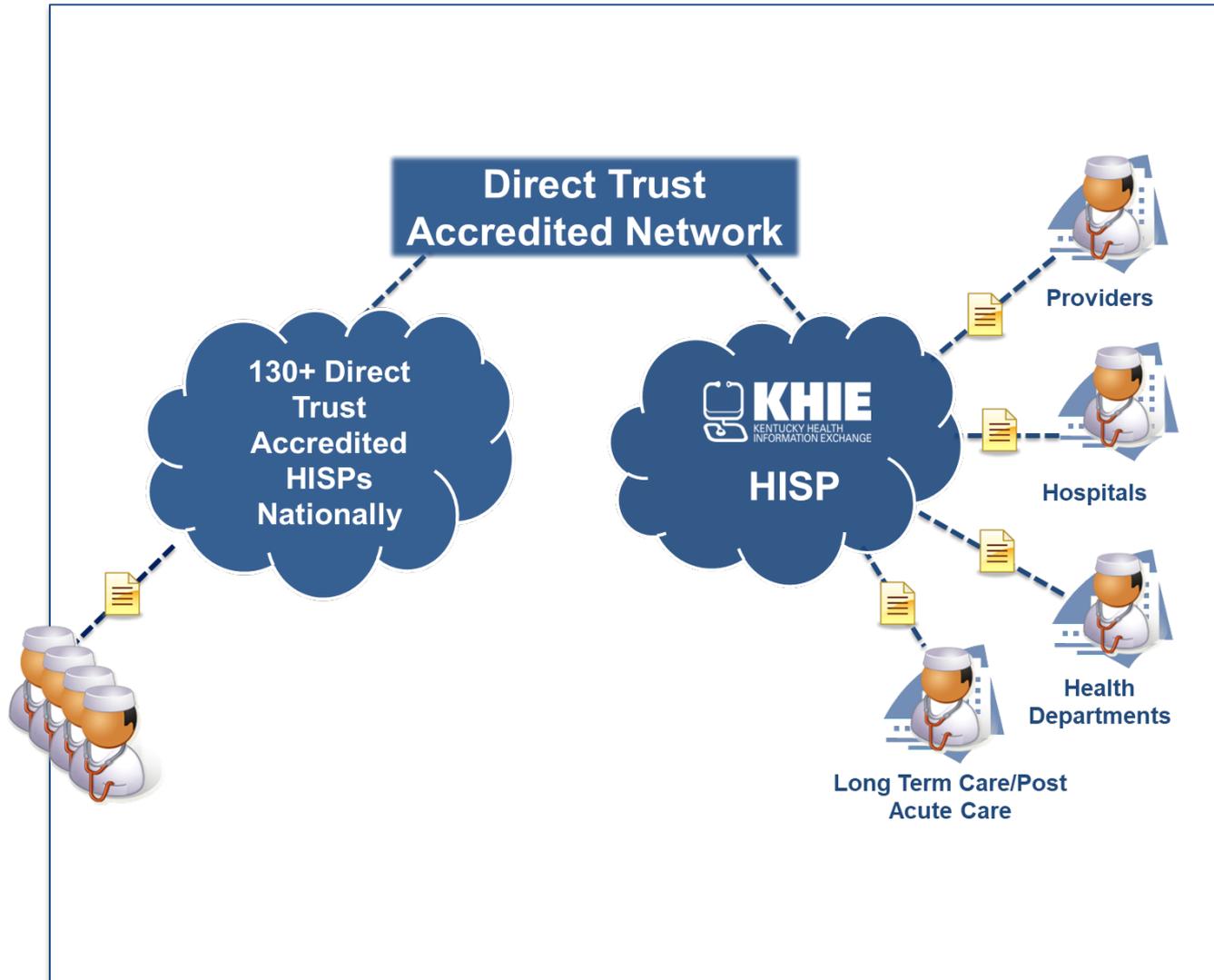
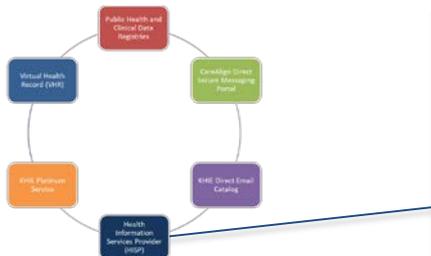
Select One

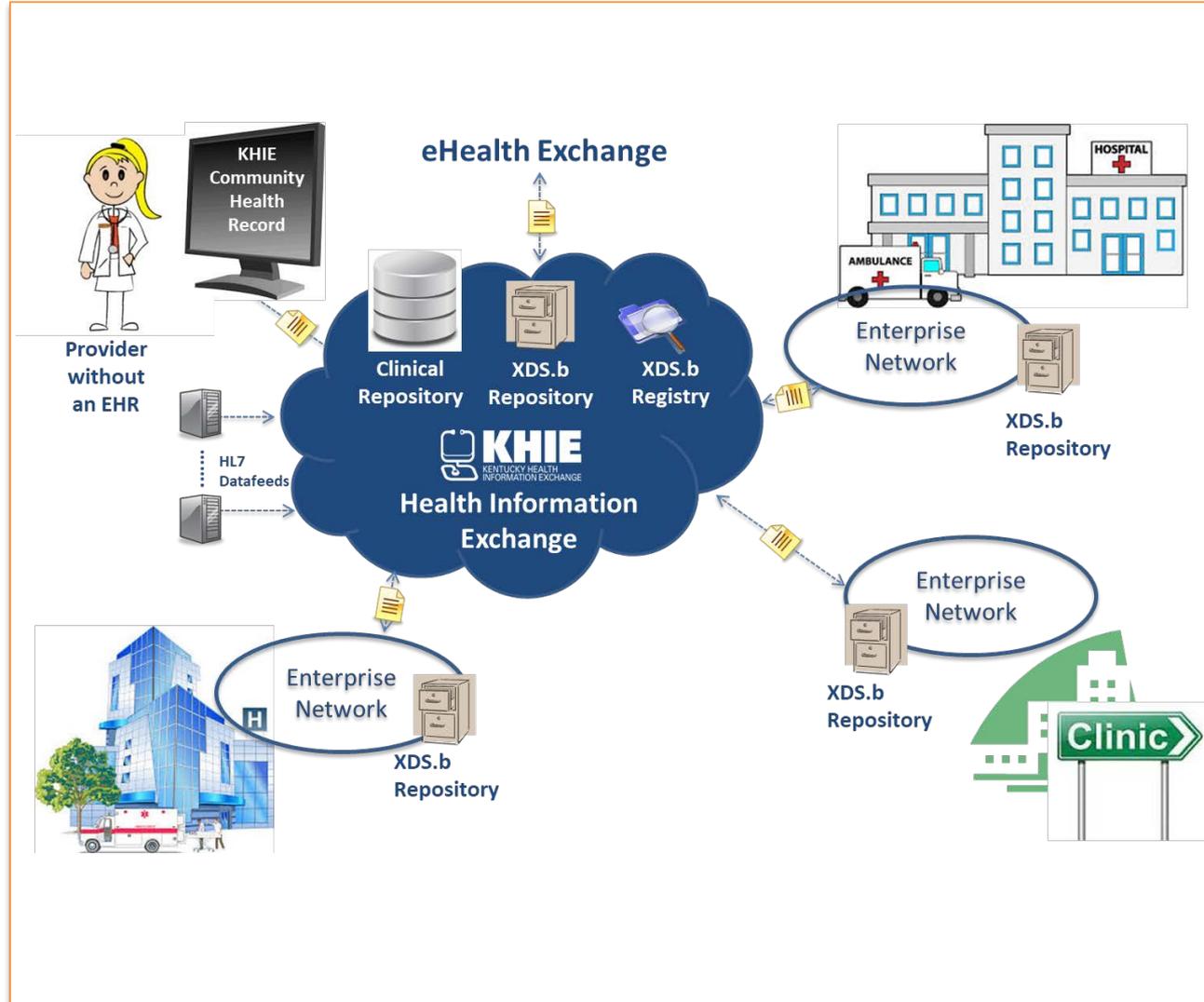
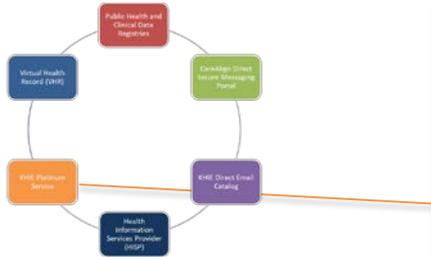


*** I agree to the [terms and conditions](#)**

[A](#) [B](#) [C](#) [D](#) [E](#) [F](#) [G](#) [H](#) [I](#) [J](#) [K](#) [L](#) [M](#) [N](#) [O](#) [P](#) [Q](#) [R](#) [S](#) [T](#) [U](#) [V](#) [W](#) [X](#) [Y](#) [Z](#) [All](#)

A Direct email address is required to perform the search. A search can be performed on one or multiple fields. The search results are sorted by the last name of the provider and can be filtered by last name using an alphabetical filter.





KHIE Data Sets

***Based on what facility is sending

ADT/Patient Demographics	Name, Address, Phone, DOB
Lab Results	Include any pathology results
Radiology Reports	Transcribed findings and recommendations
Other Transcribed Reports	Any other type of transcribed reports. Ex: Operative report, ED report, Cancellation Notice, H&P. ANY document that is transcribed that a hospital wants to send.
CCD/CCDA	<p>Summary of Care: Included when info is available in patient record</p> <p><u>Required</u></p> <ul style="list-style-type: none"> • Patient name * • Current problem list * • Current medication list * • Current medication allergy list * • Encounter diagnosis * • Immunizations * • Demographic information (preferred language, sex, race, ethnicity, date of birth) * <p><u>Optional</u></p> <ul style="list-style-type: none"> • Referring or transitioning provider's contact information (EP only) • Procedures • Laboratory test results • Vital signs (height, weight, blood pressure, BMI) • Smoking status • Functional status, including activities of daily living, cognitive and disability status • Care plan field, including goals and instructions • Care team • Reason for referral (EP only) • Discharge instructions (eligible hospitals and CAHs only)
Medicaid Claims Data	Anything Medicaid or MCO has paid
Immunization	Anything available in WebIZ
Syndromic Surveillance	ADT and Diagnosis
Reportable Labs	Requirements from Public Health

	Total	Hospital	Other
Immunization	1911	83	1828
ADT – Demographics	1002	101	901
Syndromic Surveillance	915	95	820
Lab Results	342	62	280
Reportable Lab	83	60	23
Radiology	40	35	5
Transcribed Notes	23	15	8
Platinum	330	33	297

95%

of hospitals
submit data to
KHIE

Additional Contributors

EMS &
Correctional Facilities

Behavioral Health

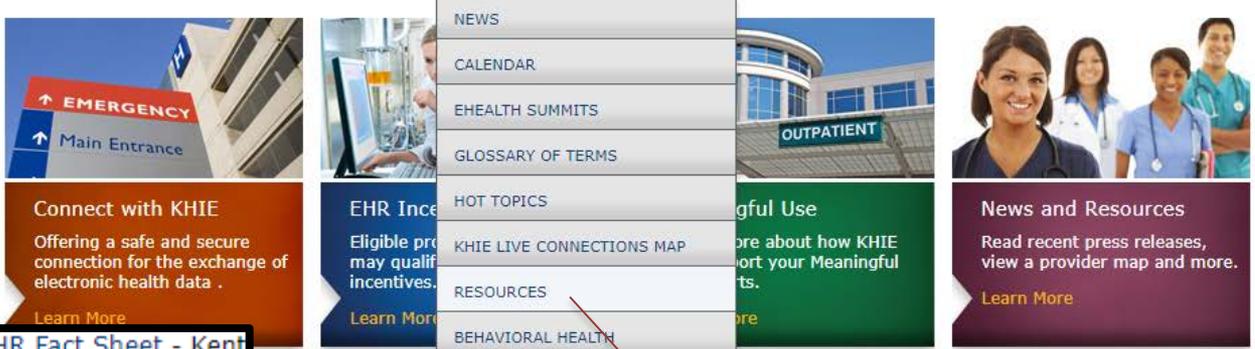


Khie.ky.gov



KHIE
KENTUCKY HEALTH
INFORMATION EXCHANGE

- CONNECT WITH KHIE ▾
- MEANINGFUL USE ▾
- NEWS AND RESOURCES ▾
- FAQS
- DIRECT MESSAGING
- EHEALTH SUMMIT
- KHIE ALERTS



EMERGENCY
Main Entrance

OUTPATIENT

Connect with KHIE
Offering a safe and secure connection for the exchange of electronic health data .
Learn More

EHR Incentives
Eligible providers may qualify for incentives.
Learn More

Meaningful Use
Learn more about how KHIE supports your Meaningful Use efforts.
Learn More

News and Resources
Read recent press releases, view a provider map and more.
Learn More

- NEWS
- CALENDAR
- EHEALTH SUMMITS
- GLOSSARY OF TERMS
- HOT TOPICS
- KHIE LIVE CONNECTIONS MAP
- RESOURCES
- BEHAVIORAL HEALTH

- [EHR Fact Sheet - Kentucky](#)
- [KHIE Annual Report - 2014](#)
- [Live on KHIE - List of Connected Facilities](#)
- [Sample Notice of Privacy Practices](#)
- Please read [more news](#)
- Please read about a [new](#)

Click here for list of connected facilities and a list of their data being submitted



Business Name	Point of Care	POC Type	County	Patient Demographics	Patient Demographics - Syndromic Surveillance	Laboratory	Laboratory - Reportable Diseases	Radiology	Transcriptions	Pathology	Immunizations	Cancer Registry	IHE Profiles - CCDA Query & Contribute
2020 Eyecare of London, PLLC	2020 Eyecare of London	Provider/Clinic	Laurel		X								
Advanced Chiropractic Care, PLLC	Advanced Chiropractic Care	Provider/Clinic	Rosart	X	X								
Aziz, Mohammad MD, Internal Medicine, LLC	Aziz, Mohammad MD	Provider/Clinic	Pulaski		X						X		
Abawee Health Services LLC	Abawee Health Services-ALL 4 KIDS	Provider/Clinic	Magoffin								X		
AI Children Pediatrics Holdings PLLC	AI Children Pediatrics	Provider/Clinic	Jefferson	X							X		
Allegry Asthma Sinus Center PLLC	Allegry, Asthma and Sinus Center - Danville	Provider/Clinic	Boyle	X									
Allegry Asthma Sinus Center PLLC	Allegry, Asthma and Sinus Center - Lexington - Monarch Road	Provider/Clinic	Fayette	X									
Allegry Asthma Sinus Center PLLC	Allegry, Asthma and Sinus Center - London	Provider/Clinic	Laurel	X									
Allegry Asthma Sinus Center PLLC	Allegry, Asthma and Sinus Center - Winchester	Provider/Clinic	Clark	X									
Allegry Asthma Sinus Center PLLC	Allegry, Asthma and Sinus Center - City Hill	Provider/Clinic	Laurel	X									
Allegry Care of Bowling Green, PSC	Allegry Care of Bowling Green	Provider/Clinic	Warren								X		
Amelbury Care Services, PLLC	Saint Luke's Clinic - dba Crumpler Clinic	Provider/Clinic	Wells										
Annie's Family Practice Assoc PSC	Annie's Family Medical Center	Provider/Clinic	Jefferson								X		
Annie's Family Practice Assoc PSC	Annie's Family Medical Center - Dixie	Provider/Clinic	Jefferson								X		
Annie's Family Practice Assoc PSC	Annie's Family Medical Center - Preston	Provider/Clinic	Jefferson								X		
Anderson, William B II, MD	Anderson, William B. MD	Provider/Clinic	Trigg								X		
Appalachian Regional Healthcare Inc	ARH Harlan	Hospital	Harlan	X	X	X	X	X					
Appalachian Regional Healthcare Inc	ARH Hazard	Hospital	Perry	X	X	X	X	X					
Appalachian Regional Healthcare Inc	ARH Mary Brockridge Hospital	Hospital	Leslie	X	X	X	X	X					
Appalachian Regional Healthcare Inc	ARH McDowell	Hospital	Floyd	X	X	X	X	X					
Appalachian Regional Healthcare Inc	ARH Madisonville	Hospital	Ball	X	X	X	X	X					
Appalachian Regional Healthcare Inc	ARH Morgan County	Hospital	Morgan	X	X	X	X	X					
Appalachian Regional Healthcare Inc	ARH Whitesburg	Hospital	Letcher	X	X	X	X	X					
Appalachian Regional Healthcare Inc	ARH Williamson dba Tug Valley	Hospital	Pike	X	X	X	X	X					
Appalachian Regional Healthcare Inc	ARH-Reference Lab	LAB	Perry	X		X	X						
Appalachian Regional Healthcare Inc	Barbourville ARH Hospital	Hospital	Knox	X	X						X		
Ashland Hospital Corporation	Cardiology - KH Ashland	Provider/Clinic	Boyd	X	X								
Ashland Hospital Corporation	KDMC - Burlington Urgent Care Center	Provider/Clinic	Out of State - OH	X	X								
Ashland Hospital Corporation	KDMC - Cardiology - KH Abawee (Salyersville)	Provider/Clinic	Magoffin	X	X								
Ashland Hospital Corporation	KDMC - Cardiology - KH Grayson	Provider/Clinic	Carter	X	X								
Ashland Hospital Corporation	KDMC - Cardiology - KH Inez	Provider/Clinic	Martin	X	X								
Ashland Hospital Corporation	KDMC - Cardiology - KH Norton	Provider/Clinic	Out of State - OH	X	X								
Ashland Hospital Corporation	KDMC - Cardiology - KH Jackson	Provider/Clinic	Out of State - OH	X	X								
Ashland Hospital Corporation	KDMC - Cardiology - KH Louisa	Provider/Clinic	Lawrence	X	X								
Ashland Hospital Corporation	KDMC - Cardiology - KH Portsmouth	Provider/Clinic	Out of State - OH	X	X								
Ashland Hospital Corporation	KDMC - Cardiology - KH Prestonsburg	Provider/Clinic	Floyd	X	X								
Ashland Hospital Corporation	KDMC - Cardiology - KH Sandy Hook	Provider/Clinic	Elliot	X	X								
Ashland Hospital Corporation	KDMC - Cardiology - KH Vanceburg	Provider/Clinic	Lewis	X	X								
Ashland Hospital Corporation	KDMC - George Esham, MD	Provider/Clinic	Out of State - OH	X	X								
Ashland Hospital Corporation	KDMC - Grayson Pediatrics	Provider/Clinic	Carter	X	X								
Ashland Hospital Corporation	KDMC - Jackson Urgent Care Center	Provider/Clinic	Out of State - OH	X	X								
Ashland Hospital Corporation	KDMC - JH and B Portsmouth	Provider/Clinic	Out of State - OH	X	X								
Ashland Hospital Corporation	KDMC - Russel Walk-In Care Center	Provider/Clinic	Greene	X	X								
Ashland Hospital Corporation	KDMC Ashland Urgent Care Center	Provider/Clinic	Boyd	X	X								
Ashland Hospital Corporation	KDMC Burlington Family Care Center	Provider/Clinic	Out of State - OH	X	X								
Ashland Hospital Corporation	KDMC Cardiothoracic Surgery	Provider/Clinic	Boyd	X	X								
Ashland Hospital Corporation	KDMC Callettsburg Family Care Center	Provider/Clinic	Boyd	X	X								
Ashland Hospital Corporation	KDMC Cedar Knoll Family Care Center	Provider/Clinic	Boyd	X	X								
Ashland Hospital Corporation	KDMC Cedar Knoll Pediatrics	Provider/Clinic	Boyd	X	X								
Ashland Hospital Corporation	KDMC Patawasa Family Care Center	Provider/Clinic	Greenup	X	X						X		

Immunization Registry Reporting for Stage 3

- CMS requires the EP, EH or CAH to be in active engagement with a public health authority to submit immunization data and receive immunization forecasts and histories from the public health immunization registry/immunization information system (IIS)
 - To assist providers who are currently unable to meet this requirement, CMS is permitting EPs, EHs and CAHs to revert to Option 1 of active engagement.
 - A new **Bidirectional Immunization Registry Authorization Addendum** **MUST** be signed and submitted to KHIE within 60 days of the beginning of the EHR reporting period.
 - If the EP, EH or CAH fails to sign and return the Bidirectional Immunization Registry Authorization, they will no longer be considered in active engagement, therefore unable to attest to Objective 8, Measure 1: Immunization Registry Reporting.

All providers must be *actively engaged* to submit public health data. The following options are considered *active engagement* per CMS

- **Option 1:** Registration to Submit Data
 - Signed KHIE Participation Agreement and Addendum(s)
 - Within 60 Days After the Start of the EHR Reporting Period
- **Option 2:** Testing and Validation
 - Testing and Validation Confirmation (Formerly MU Confirmation)
- **Option 3:** Production
 - Go-Live Approval Form

Providers that seek a specialized registry outside of KHIE are responsible for obtaining any documentation to support attestation

Providers are responsible for obtaining documentation to support any exclusion choices

To Meet Stage 3 Requirements, all Providers **MUST** Use Technology Certified to the 2015 Edition



Continuous 90 Day Reporting Period

HIE Objective

- Direct Secure Messaging
- KHIE Platinum Service

Public Health & Clinical Data Registry Reporting Objective

- Kentucky Immunization Registry
- CDC BioSense Syndromic Surveillance
- Kentucky Cancer Registry
- KY National Electronic Disease Surveillance System (NEDSS)
- KHIE Advance Directive Registry
- Kentucky Health Information Exchange

Direct & KHIE Platinum Service

Stage 3

- Objective 7:
Health Information Exchange

Public Health & Clinical Data Registries

Stage 3

- Objective 8:
Public Health & Clinical Data Registry Reporting

Objective 8: Public Health & Clinical Data Registry Reporting

Measure	Measure Name	WHO IS ELIGIBLE?		MAXIMUM TIMES MEASURE CAN COUNT TOWARD OBJECTIVE	KHIE SUPPORTED REGISTRY(S)
		EP?	EH/CAH?		
Measure 1	Immunization Registry Reporting	✓	✓	EPs: 1 EHs/CAHs: 1	<ul style="list-style-type: none"> • Kentucky Immunization Registry
Measure 2	Syndromic Surveillance Reporting	✓	✓	EPs: 1 EHs/CAHs: 1	<ul style="list-style-type: none"> • CDC BioSense Syndromic Surveillance
Measure 4	Public Health Registry Reporting	✓	✗	EPs: 2 EHs/CAHs: 4	<ul style="list-style-type: none"> • Kentucky Cancer Registry (EPs Only)
Measure 5	Clinical Data Registry Reporting	✓	✓	EPs: 2 EHs/CAHs: 4	<ul style="list-style-type: none"> • KHIE Advance Directive Registry • KHIE (Platinum Service)
Measure 6	Electronic Reportable Laboratory Result Reporting	✗	✓	EPs: 0 EHs/CAHs: 1	<ul style="list-style-type: none"> • Kentucky Electronic National Disease Surveillance System (NEDSS)

Note:

EPs are Required to Successfully Attest to 2 Public Health Measures

EHs/CAHs are Required to Successfully Attest to 4 Public Health Measures

2019 Promoting Interoperability Performance Category

Total Possible Points for Each 2019 Promoting Interoperability Measure

Objectives	Measures	Maximum Points
e-Prescribing	e-Prescribing	10 points
	<i>Bonus: Query of Prescription Drug Monitoring Program (PDMP)</i>	5 bonus points
	<i>Bonus: Verify Opioid Treatment Agreement</i>	5 bonus points
Health Information Exchange	Support Electronic Referral Loops by Sending Health Information	20 points
	Support Electronic Referral Loops by Receiving and Incorporating Health Information	20 points
Provider to Patient Exchange	Provide Patients Electronic Access to Their Health Information	40 points
Public Health and Clinical Data Exchange	<u>Report to two different public health agencies or clinical data registries for any of the following:</u> Immunization Registry Reporting Electronic Case Reporting Public Health Registry Reporting Clinical Data Registry Reporting Syndromic Surveillance Reporting	10 points

Bolded text in the table denotes required measures.

2019 Improvement Activities Performance Category

Care Coordination

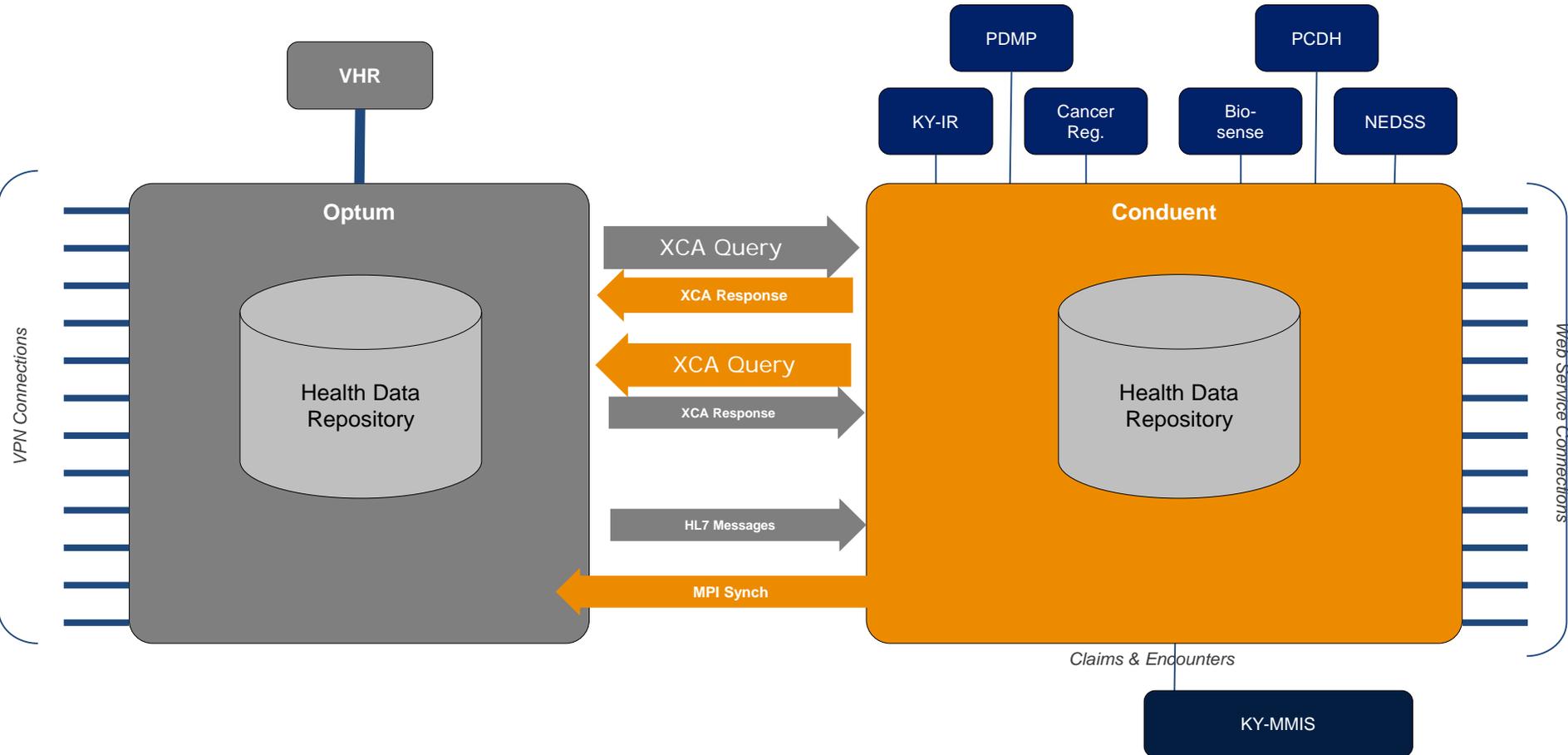
Practice Improvements for Bilateral Exchange of Patient Information

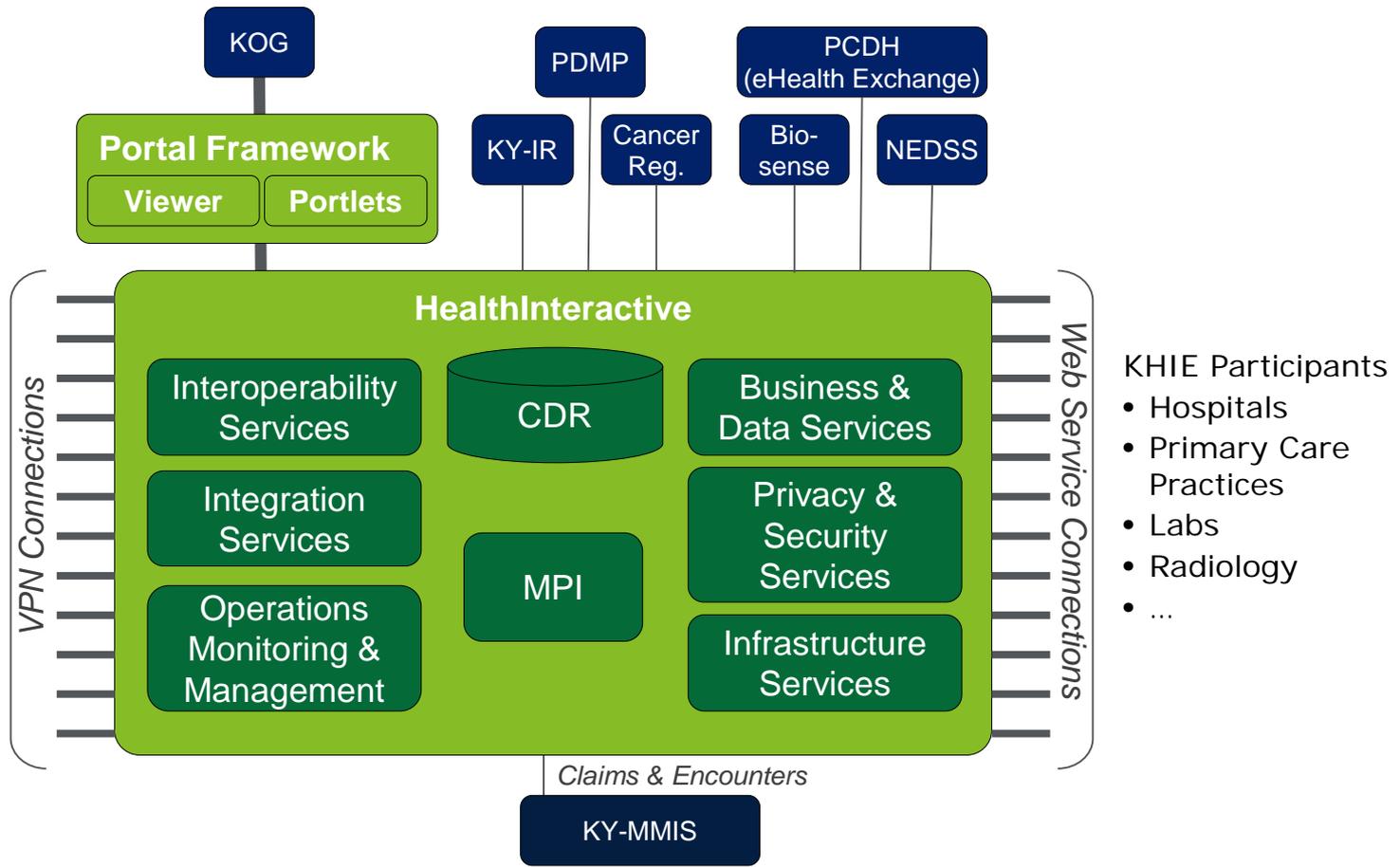
- Ensure that there is a bilateral exchange of necessary patient information to guide patient care, such as Open Notes, that could include one or more of the following:
 - **Participate in a Health Information Exchange** if available; and/or
 - Use structured referral notes

Behavioral Health

Electronic Health Record Enhancements for BH Data Capture

- Enhancements to an electronic health record to capture additional data on behavioral health (BH) populations and use that data for additional decision making purposes





KHIE Participants

- Hospitals
- Primary Care Practices
- Labs
- Radiology
- ...

KHIE Participants

- Hospitals
- Primary Care Practices
- Labs
- Radiology
- ...

The enhancements and new features will enable healthcare providers to access valuable health information **when and where** it is needed to help achieve high quality patient outcomes.



Bi-Directional Immunizations

Regardless of communication type, providers will be capable of querying the Immunization Registry for information to be delivered in their EHR, if EHR is capable of receiving.



Alert & Event Notifications

Inform providers about specific healthcare event(s) that have occurred with specific patients in their care.



Customizable Provider Portal

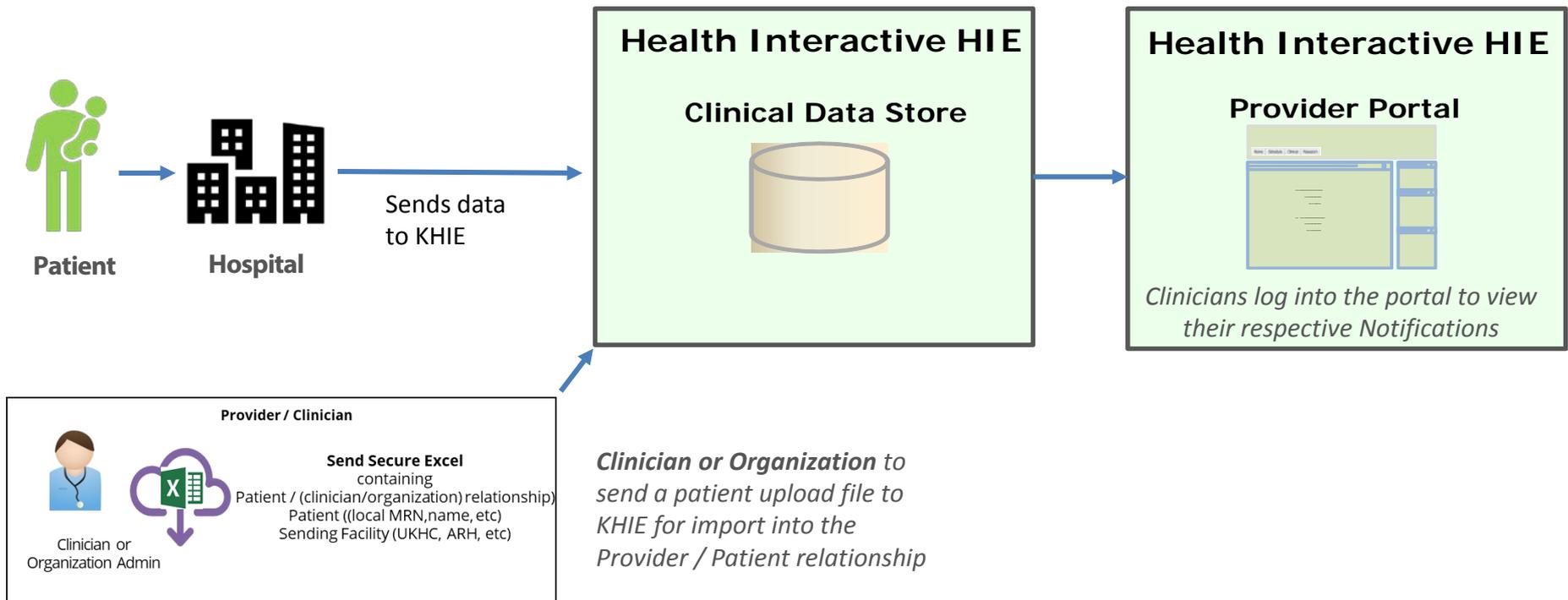
Ability for users to customize the display of essential patient data in a functional and easy-to-use format.

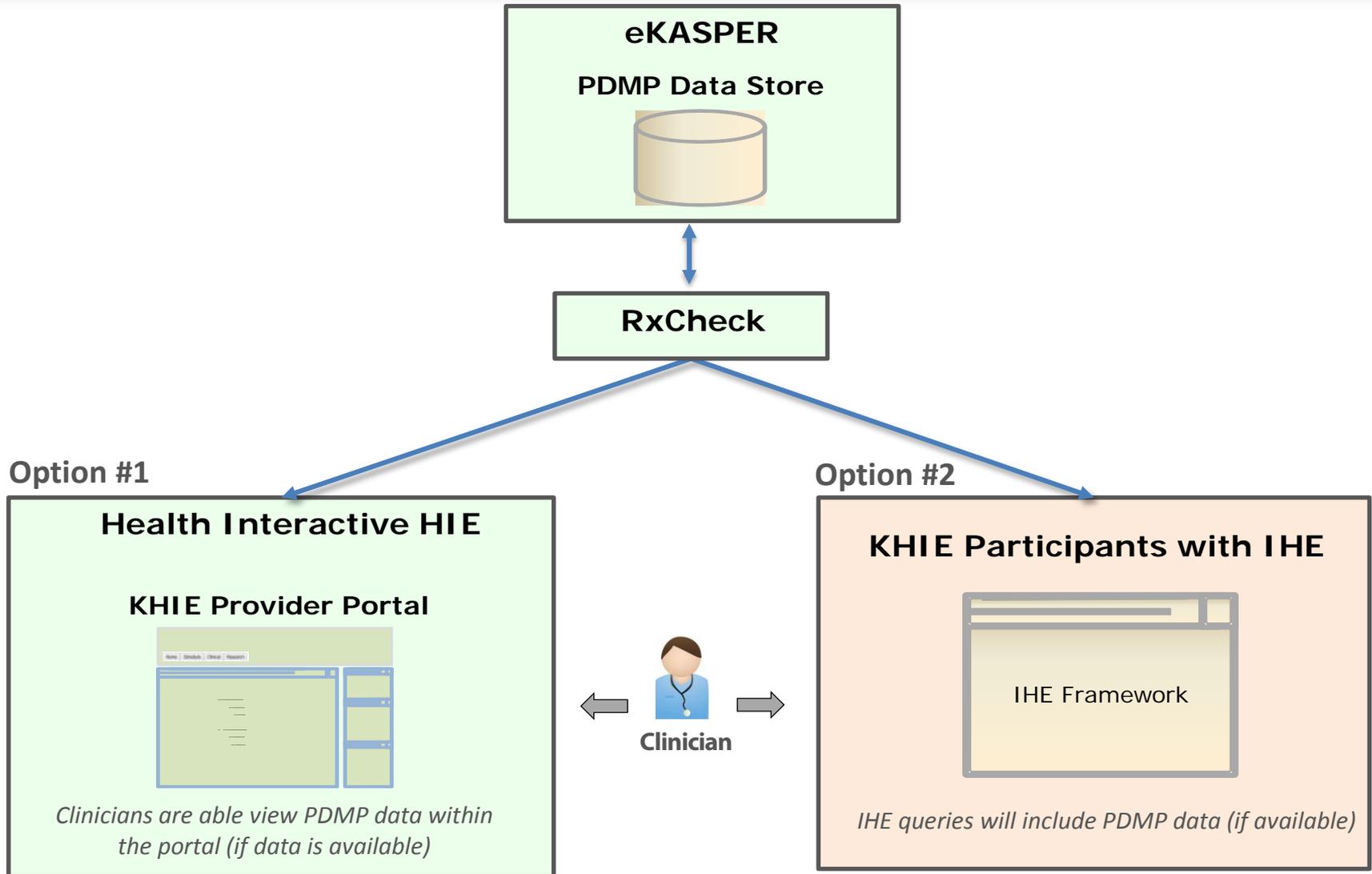


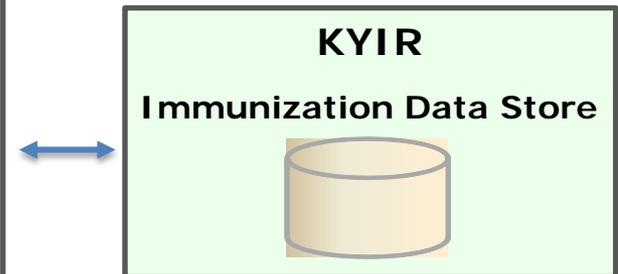
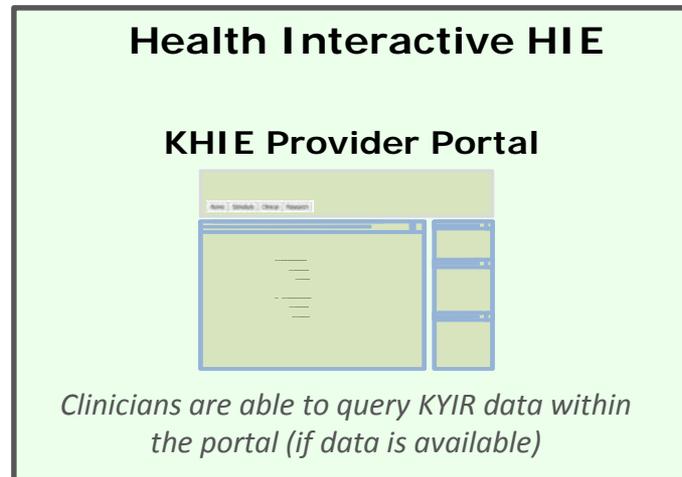
eKasper Integration (PDMP)

Ability for users to view eKasper data in KHIE.

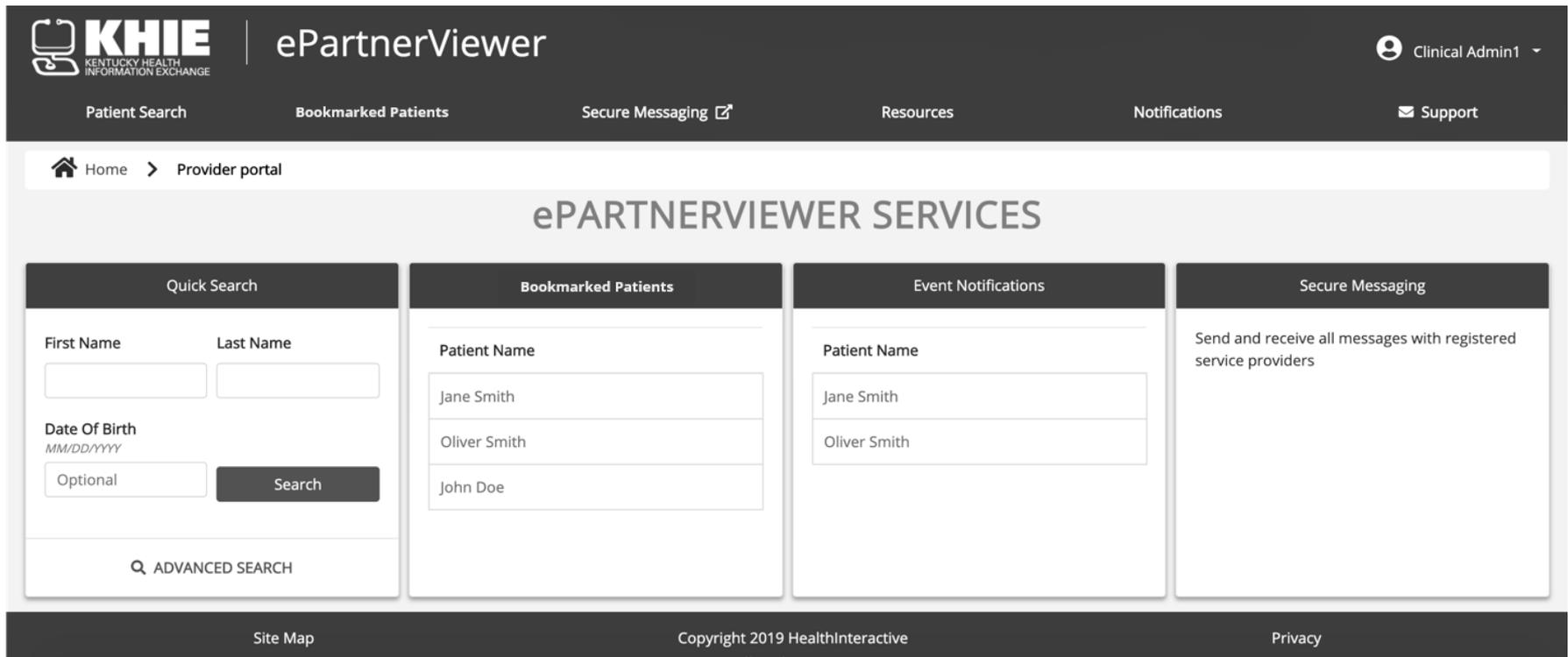
Topic	Means	Comment
Hospital Admission	Notification	Hospital Admission - Notify PCP
Hospital Discharge	Notification	Hospital Discharge - Notify PCP
Hospital Re-Admission	Notification	Hospital Re-Admission (other facility) within 30 days
ED Admission	Notification	Emergency Department Admission - Notify PCP
ED Discharge	Notification	Emergency Department Discharge - Notify PCP







KHIE locates and presents all clinical and demographic information within the HIE, while simultaneously querying KYIR for the immunization history (QBP) of that patient.



The screenshot displays the ePartnerViewer web application interface. At the top left is the KHIE logo. The main header area includes the text "ePartnerViewer" and a user profile for "Clinical Admin1". Below this is a navigation bar with links for "Patient Search", "Bookmarked Patients", "Secure Messaging", "Resources", "Notifications", and "Support". A breadcrumb trail shows "Home > Provider portal". The main content area is titled "ePARTNERVIEWER SERVICES" and contains four panels: "Quick Search" with input fields for "First Name", "Last Name", and "Date Of Birth" (MM/DD/YYYY), a "Search" button, and a link to "ADVANCED SEARCH"; "Bookmarked Patients" with a list of patient names: "Jane Smith", "Oliver Smith", and "John Doe"; "Event Notifications" with a list of patient names: "Jane Smith" and "Oliver Smith"; and "Secure Messaging" with the text "Send and receive all messages with registered service providers". The footer contains "Site Map", "Copyright 2019 HealthInteractive", and "Privacy".

Disclaimer: The presentation shown is intended as an example only, and may differ from the released product in production.

Platinum Integration

Phase 2

- Available as PDF inside EHR
- Savable to chart in EHR

ePartnerViewer

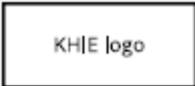
- View only
- Located as a portlet in external web-based viewer

Single Sign On

- View only
- ePartnerViewer available inside EHR
- Located as a portlet in viewer



Patient Search



ePartnerViewer

 Smith, John (CHFS) ▼

- [Patient Search](#)
- [Notifications](#)
- [Secure messaging](#)
- [Resources](#)
- [Notifications](#)
- [Support](#)

 [Home](#)
▶
[Patient Search](#)
▶
[John Doe](#)

John Doe
43 years old

[VIEW MORE](#) ▼

- Patient summary
- Medications & Allergies
- Clinician notes
- Laboratory & Pathology
- Radiology
- Immunizations

Medication History

Current Medications Medication Allergies Past Medications

DATE ▲ ▼	MEDICATION ▲ ▼	DOSE	REFILLS ▲ ▼
1 Sep 2017	Lorem ipsum	50mg / 2x/day	None
30 Sep 2017	Lorem ipsum	10mg / 2x/day	1
1 Sep 2018	Lorem ipsum	5mg / 2x/day	None
30 Sep 2018	Lorem ipsum	50mg / 2x/day	2
30 Oct 2019	Lorem ipsum	10mg / 4x/day	1

[VIEW ALL](#) ▶

Laboratory Reports

Final Reports Preliminary Reports

DATE ▲ ▼	PANEL TYPE ▲ ▼	ORDERED BY	RESULT ▲ ▼
1 Sep 2017	CBC	Dr. Smith, Jane	Normal
30 Sep 2017	Repeats	Dr. Smith, Jane	Abnormal(2)
1 Sep 2018	Basic Function	Dr. Smith, Jane	Normal
30 Sep 2018	PT	Dr. Smith, Jane	Abnormal(2)
30 Oct 2019	CBC	Dr. Smith, Jane	Normal

[VIEW ALL](#) ▶

Immunization History

Immunizations Adverse Reactions Ref/Links

DATE ▲ ▼	SUBSTANCE ▲ ▼	ROUTE	STATUS ▲ ▼
1 Sep 2017	Lorem ipsum	Subcutaneous	COMPLETE
30 Sep 2017	Lorem ipsum	Subcutaneous	1 / 2
1 Sep 2018	Lorem ipsum	Subcutaneous	COMPLETE
30 Sep 2018	Lorem ipsum	Subcutaneous	COMPLETE
30 Oct 2019	Lorem ipsum	Subcutaneous	1 / 2

[VIEW ALL](#) ▶

Radiology Reports

Final Reports

DATE ▲ ▼	ORDERED BY ▲ ▼	VIM	MODALITY
1 Sep 2017	Dr. Smith, Jane	Head	CT Scan
30 Sep 2017	Dr. Smith, Jane	Arm (Left)	X-ray
1 Sep 2018	Dr. Smith, Jane	Abdomen	Ultrasound
30 Sep 2018	Dr. Smith, Jane	Full Body	PET Scan
30 Oct 2019	Dr. Smith, Jane	Knee (Right)	MR

[VIEW ALL](#) ▶



Patient Search



ePartnerViewer

Smith, John (CHFS) ▼

- Patient Search
- Notifications
- Secure messaging
- Resources
- Notifications
- Support

Home > Patient Search > John Doe > Radiology

John Doe
43 years old VIEW MORE ▼

- Patient summary
- Medications & Allergies
- Clinician notes
- Laboratory & Pathology
- Radiology**
- Immunizations

RADIOLOGY REPORTS ⓘ

- Radiology Report (01/31/2019)**
- Radiology Report (01/31/2019)
- Radiology Report (01/31/2019)

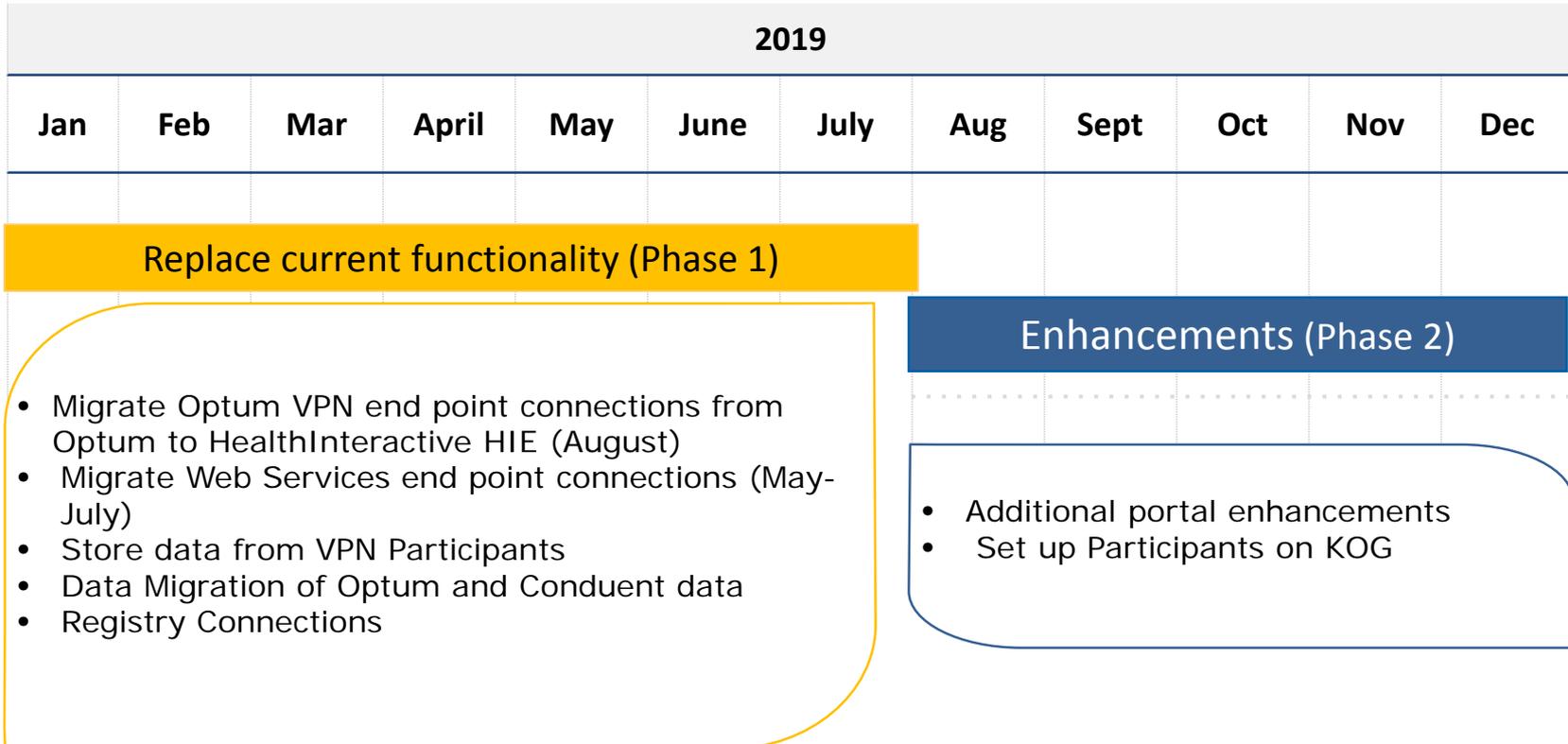


RADIOLOGY REPORT

FINAL

Patient John Doe	File #112233	Modality MRI
Physician Dr. Jane Doe	Date 01/31/2019	Copy to Dr. John Doe

CLINICAL INFORMATION
History pancreatic cancer. Status post aortic chemotherapy and Whipple procedure on <<DATE>>.





2019 eHealth Summit Registration

August 16, 2019 | Marriott Griffin Gate Lexington, KY

Andrew C. Bledsoe
Deputy Executive Director
Office of Health Data and Analytics
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andrew.bledsoe@ky.gov