Agenda

KHIE Organization And Structure

Current Stats And Activity

HIE Use Cases

KHIE 2.0: The Opportunity

2015 & Beyond?

Where is the Interoperability??
The Cabinet for Health & Family Services is the primary state agency responsible for protecting and promoting the well-being of Kentuckians through the delivery of health and human services.

Department for Aging & Independent Living
Department for Income Support
Office of Health Policy
Department for Family Resource Centers & Volunteer Services
Department for Public Health
Office of the Kentucky Health Benefit & Health Information Exchange
Department for Medicaid Services
Department for Community Based Services
Commission for Children with Special Health Care Needs

Department for Behavioral Health, Developmental & Intellectual Disabilities
General Administration & Program Support which includes:
  - Office of the Secretary
  - Office of Legal Services
  - Office of the Inspector General
  - Office of Communications & Administrative Review
  - Office of the Ombudsman
  - Office of Administrative & Technology Services
  - Office of Policy and Budget
  - Office of Human Resources Management
  - Office of the Kentucky Health Information Exchange
Health Data Exchange

- Clinics
- Hospitals
- Medicaid

- Patient Demographics
- LABs
- RADs
- Immunizations
- Summary of Care
Statewide Super Information Highway

- Immunization data
- Lab data
- Claims data
- ADT data
- Demographics

Enhanced Decision Making
Better Health
Care Coordination
HOSPITAL CONNECTIONS

90 LIVE Hospitals (25 CAH/65 Acute)

3/16/2015

Acute with Signed Agreement

Acute LIVE

CAH with Signed Agreement

CAH LIVE
### TOTAL LIVE CONNECTIONS

**1033 LIVE Connections**  
**3/16/2015**

#### Others:
- Kentucky Immunization Registry
- State Lab (Microbiology) (Franklin)
- Grundy, VA
- Hamilton, OH
- Indiana
- Pennyroyal Behavioral Health Centers
- Lexington Fayette County Detention Center

#### Hospital
- [Hospital](#)

#### Physician
- [Physician](#)

#### Lab
- [Lab](#)

#### Combination
- [Combination](#)

#### Direct Secure Messaging
- [Direct Secure Messaging](#)
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Kentucky Public Health Reporting

- BioSense
- Immunization Registry NEDSS (Electronic Lab Reporting)
- Cancer Registry

EHR
The solution lies in integrated care – the coordination of mental health, substance abuse, and primary care services.

Integrated care produces the best outcomes and is the most effective approach to caring for people with complex healthcare needs.
Including Detention Centers in the HIE can vastly improve community health

**Division of Community Corrections**
*Lexington-Fayette Urban County Government*

24,000 people annually
Every day:
- 865 people on medication
- 90 inmates seen by mental health doctors
- 194 inmates seen by nurses

The facility can now push its data onto the exchange allowing all treatments that inmates receive and medications they take be accessed by doctors in the community should he or she seek treatment upon release. The facility is also working on receiving data.

**Healthcare providers and correctional institutions are recognizing that public health and correctional health should be treated as one.**
Real World Use Case: Emergency/Disaster Operations

During Large Scale Disasters

KHIE can be queried from shelter locations to provide medical information including diagnosis and medications.

During Emergency Situations

KHIE can be used during a patient’s transition of care to provide a medical history including treating physicians, diagnosis and medications.

It is important all hospitals and providers have personnel trained in the use of the KHIE CCD or the Community Portal so that these resources are available in the event of an emergency.

This includes being credentialed to use the system (user name and password).
Improving Care Coordination: How KHIE Can Help

Provider views the CCD in the KHIE Community Record

Super-Utilizer Patients are identified via Medicaid claims and Alert presents in CCD

Clinical Alert Notification
- Diabetes: no eye exam in the last 365 days
- Diabetes: no lipid panel in the last 365 days
- Diabetes: no urine protein screening in the last 365 days
- Diabetes HgA1C check due
- Blood pressure check due
- Cholesterol screening due IF ‘At Risk’
- Developmental/Behavioral assessment due
- Height and weight check due
- Injury prevention counseling due
- Nutrition counseling due
- Objective hearing screening due
- Objective vision screening due
- Potential Hep B catch-up
- Potential MMR catch-up
- Potential polio catch-up
- Potential varicella catch-up
- Tuberculin Test (TB test) due IF ‘At Risk’
- Violence prevention counseling due
KHIE HIE vs HISP

Health Information Exchange

HISP

Public Health Reporting

Transitions of Care & Transmit of View, Download and Transmit

Kentucky Public Health
KHIE Health Information Service Provider (HISP) & Direct Secure Messaging

Direct Trust Accredited Network

35+ Direct Trust Accredited HISPs Nationally

KHIE HISP

KHIE Connections
- 335 Live Direct Secure Messaging/HISP connections across the state and over state lines.

Providers
Hospitals
Health Departments
Long Term Care/Post Acute Care
• 400+ Locations Live

• Hospitals, physicians, clinics, long term care, home care, health departments

• Primary Use Case: Care Transitions/Referrals
Next Generation KHIE
- Focus: Interoperability & Full Exchange
- Additional and Improved Functionality

Coordination of Care
- Behavioral Health/Long Term Care/Corrections
- Health Home

Disaster/Emergency Preparedness
- Full record/data set from all acute hospitals
Public Health Reporting for MU
- Immunization Registry
- Syndromic Surveillance

HISP/Direct Secure Messaging
- Transitions of Care for MU

Health Information Exchange
- Care Coordination
- Alerts/Notifications
Questions?