

# Kentucky Health Information Exchange (KHIE)



*Kentucky*  
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# Kentucky e-Health Historical Overview

- March 8, 2005
  - Legislation (Senate Bill 2) to create a secure interoperable statewide electronic health network
    - Kentucky eHealth Network Board (KeHN)
    - Health care Infrastructure Authority
      - University of Kentucky
      - University of Louisville
      - Supported by the Cabinet for Health & Family Services
  - Appointment of several committees
    - **Health Information Exchange**



# Kentucky Health Information Exchange

## The Beginning

2007 Medicaid Transformation Grant (\$4.9M)

Allowed development of core functionality of  
KHIE

6 Pilot Hospitals and 1 Clinic signed  
the KHIE Participation Agreement

KHIE pilot went live online April 1, 2010



# KHIE and ARRA

2009 - American Recovery & Reinvestment Act  
(ARRA)

to provide State Grants to Promote  
Health Information Technology

to improve the quality and efficiency of health care

and expand the secure, electronic movement and use  
of health information among organizations

according to nationally recognized standards



# GOEHI Overview

## **Governor's Office of Electronic Health Information**

In August 2009, Governor Steve Beshear named the Cabinet for Health and Family Services as the state entity responsible for the administration of Kentucky's Health Information Exchange (KHIE) and issued an Executive Order to create GOEHI

Charged with providing leadership for statewide health information technology



# ARRA Funding

## State HIE Cooperative Agreement

- Strategic & Operational Plan submitted August 27, 2010
- ONC must approve plan before operational funds will be made available
- Kentucky expected to receive \$9.75M



# KHIE GOAL

Provide HIE Connectivity  
to as many providers as possible  
over the next year or so  
with little or no startup cost to the  
providers



# KHIE – The Stakeholders

## CHFS Administrative Order in February 2010

- 23 Members on the Council
- 6 Committees reporting to the Council
  - (Six to ten members serve on each committee)
  - Accountability & Transparency
  - Business Development & Finance
  - Interoperability & Standards Development
  - Provider Adoption & Meaningful Use
  - Privacy & Security
  - Population Health





# Kentucky Environmental Scan

- **Laboratory - 60% Labs operating can deliver reports electronically**

**43% Providers receiving reports electronically**

- **Pharmacy – 85% Pharmacies capable of receiving e- Prescribing**

**16% Providers actually e-Prescribing**

- **Nationally < 4% Providers fully utilizing EMR Systems**



# Key Findings

Identifying 'challenges' (and resolutions)!!

- Many EMR Systems not ready to process CCD  
(Continuity of Care Document – Standard of patient data transfer)
- Cost of EMR upgrades to hospitals & physician practices
- Disruption of practice for EMR implementation
- Getting Participant Agreements signed with KHIE



# Current Work & Progress(!)

- ACS and Axolotl in Partnership for KHIE Connectivity
- Four Additional Hospitals and Two FQHC Clinics being added
- Outreach and Informational Sessions:
  - Four Regional KHA meetings in September & October
  - KPCA Annual Meeting October 18
  - KHA/KMA e-Health conference November 17
  - AHIMA Conferences October 22 & November 5
  - REC Outreach Sessions in November
  - One-on-One meetings at Provider Locations



# KHIE

- Business Development and Finance Committee – working Financial Sustainability
- There will need to be a way to sustain the KHIE after the grant funding has been expended. The Business Development and Finance Committee are researching options available.

## KHIE & RHIO's

- KHIE is working closely with all RHIO's in Kentucky including HealthBridge, the NeKyRHIO and LouHIE
- KHIE and Health Bridge have a signed MOU to connect Health Bridge to the KHIE



# KHIE and REC Coordination

2 Regional Extension Centers

For Provider EMR Adoption, Implementation,  
And Connectivity

University of Kentucky  
and  
HealthBridge



# Regional Extension Centers

- Providers need to contact the REC's now to get in the queue for help
- Any Provider can contact the REC or the GOEHI staff, even if it appears that they are not covered by the Incentive Plan





# KHIE and CHFS Cabinet Resources

- KHIE is the resource for Cabinet data
  - 2 years of Medicaid Claims Data currently available in production with nightly data load updates
- State Laboratory Results
  - Newborn Screenings
  - All other legally available state lab tests available
  - Currently in testing mode with the two lab vendors
- Immunization Registry
  - In production in pilot stage
  - Currently in design phase to connect the Immunization Registry to the KHIE
- Future interfaces with Public Health planned

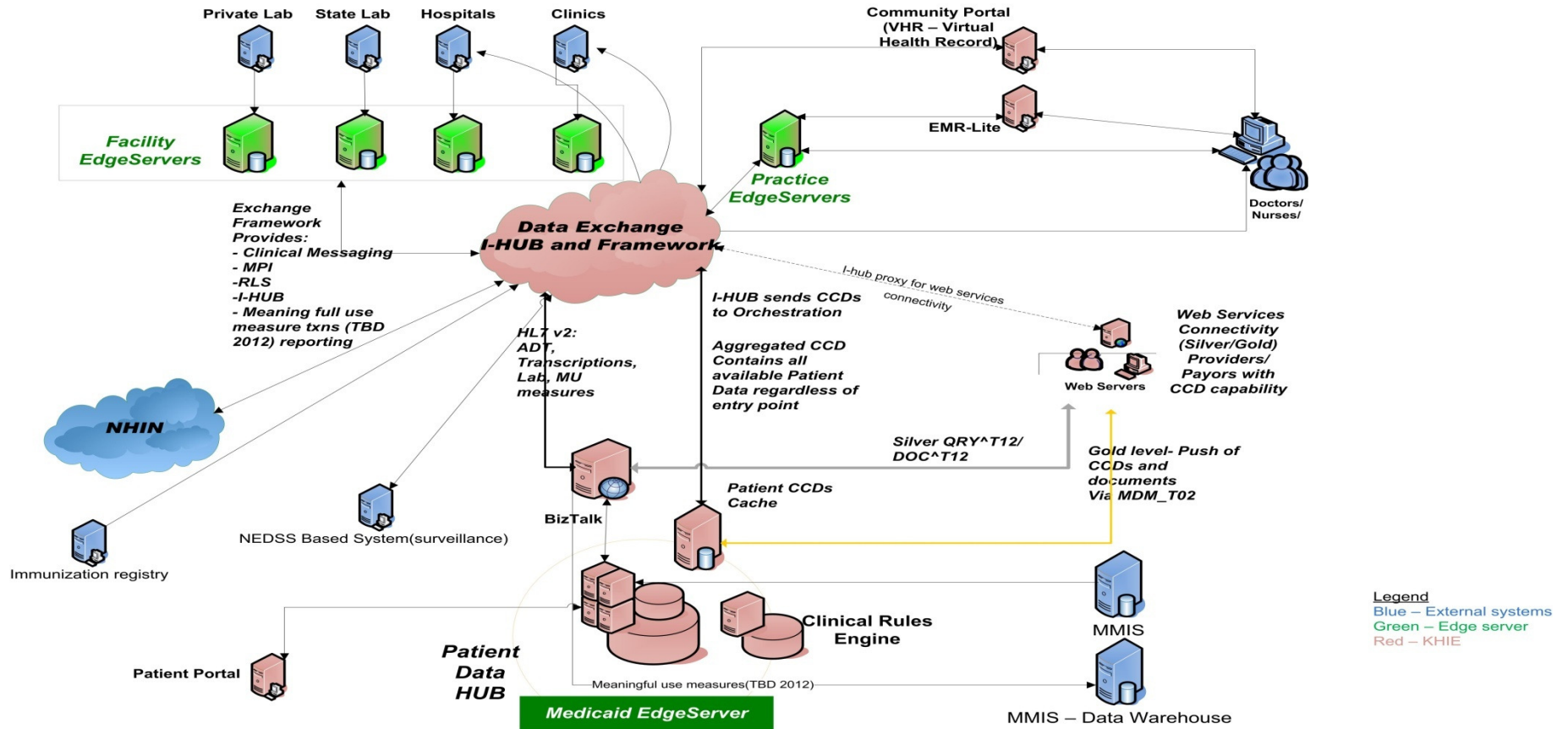


# KHIE Rollout

- Continue to add hospitals in groups of 4-5
- Two methods to submit
  - Using CCD (Continuity of Care Document)
  - Using Edge Server allowing access to the Virtual Health Record
- Provide server to providers that choose the Edge Server method
- Working with EHR Vendors statewide to get interfaces built



# KHIE



# Benefits to KHIE Participation


- Real-Time Information
  - Detailed patient summary
  - RX/Medication History
  - Laboratory Results
  - Encounters
  - Clinical Rules that alert ‘Opportunities for Care’
  - Allergy and Drug to Drug Interaction Alerts
  - Radiology Reports and Images



# KHE Value Proposition

- Patient
  - Continuity, quality and cost of care
- Healthcare Organization
  - Improved patient care
  - Decreased Costs
  - INCENTIVES for meaningful use
- Physicians
  - Improved patient care
  - Decreased costs
  - INCENTIVES for meaningful use





“We frequently talk about health IT with an emphasis on the technology. But at the heart of the transformation of our health system, it’s really all about people. Above all, it’s about improving care for all Americans.”

*Dr. Charles Friedman*



**More information on the KHIE can  
be found on the Governor's Office  
of Electronic Health Information  
website at**

**<http://chfs.ky.gov/os/goehi/>**

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