



KHIE
KENTUCKY HEALTH
INFORMATION EXCHANGE



Coordinating Council/eHealth Network Board: Update September 2012

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Acting Executive Director
Governor's Office of Electronic Health Information
State Health I.T. Coordinator





NQS Framework

Aims

"These aims are not separate, but are interrelated and mutually reinforcing...Because of these connections, national priorities should contribute to the achievement of all three aims."

Better Care: Improve the overall quality, by making health care more patient-centered, reliable, accessible, and safe.

Affordable Care: Reduce the cost of quality health care for individuals, families, employers, and government.

Healthy People/Healthy Communities: Improve the health of the U.S. population by supporting proven interventions to address behavioral, social and, environmental determinants of health in addition to delivering higher-quality care.

Priorities

Making care safer by reducing harm caused in the delivery of care.

Making quality care more affordable for individuals, families, employers, and governments by developing and spreading new health care delivery models.

Promoting effective communication and coordination of care.

Working with communities to promote wide use of best practices to enable healthy living.

Promoting the most effective prevention and treatment practices for the leading causes of mortality, starting with cardiovascular disease.

Ensuring that each person and family are engaged as partners in their care.

Principles

This National Quality Strategy—and all efforts to improve health and health care delivery—must be guided by a core set of principles. We identify 10 principles that can be used when designing specific initiatives to achieve the National Quality Strategy's three aims.

Attention will be paid to aligning the efforts of the public and private sectors.

Primary care will become a bigger focus, with special attention towards the challenges faced by vulnerable populations, including children, older adults, and those with multiple health conditions.

Providing patients, providers, and payers with the clear information they need to make choices that are right for them, will be encouraged.

Coordination among primary care, behavioral health, other specialty clinicians and health systems will be enhanced to ensure that these systems treat the "whole person".

Quality improvement will be driven by supporting innovation, evaluating efforts around the country, rapid-cycle learning, and disseminating evidence about what works.

Person-centeredness and family engagement, including understanding and valuing patient preferences, will guide all strategies, goals, and health care improvement efforts.

Eliminating disparities in care—including but not limited to those based on race, color, national origin, gender, age, disability, language, health literacy, sexual orientation and gender identity, source of payment, socioeconomic status, and geography—will be an integral part of all strategies, goals, and health care improvement efforts.

Consistent national standards will be promoted, while maintaining support for local, community, and State-level activities that are responsive to local circumstances.

Integration of care delivery with community and public health planning will be promoted.

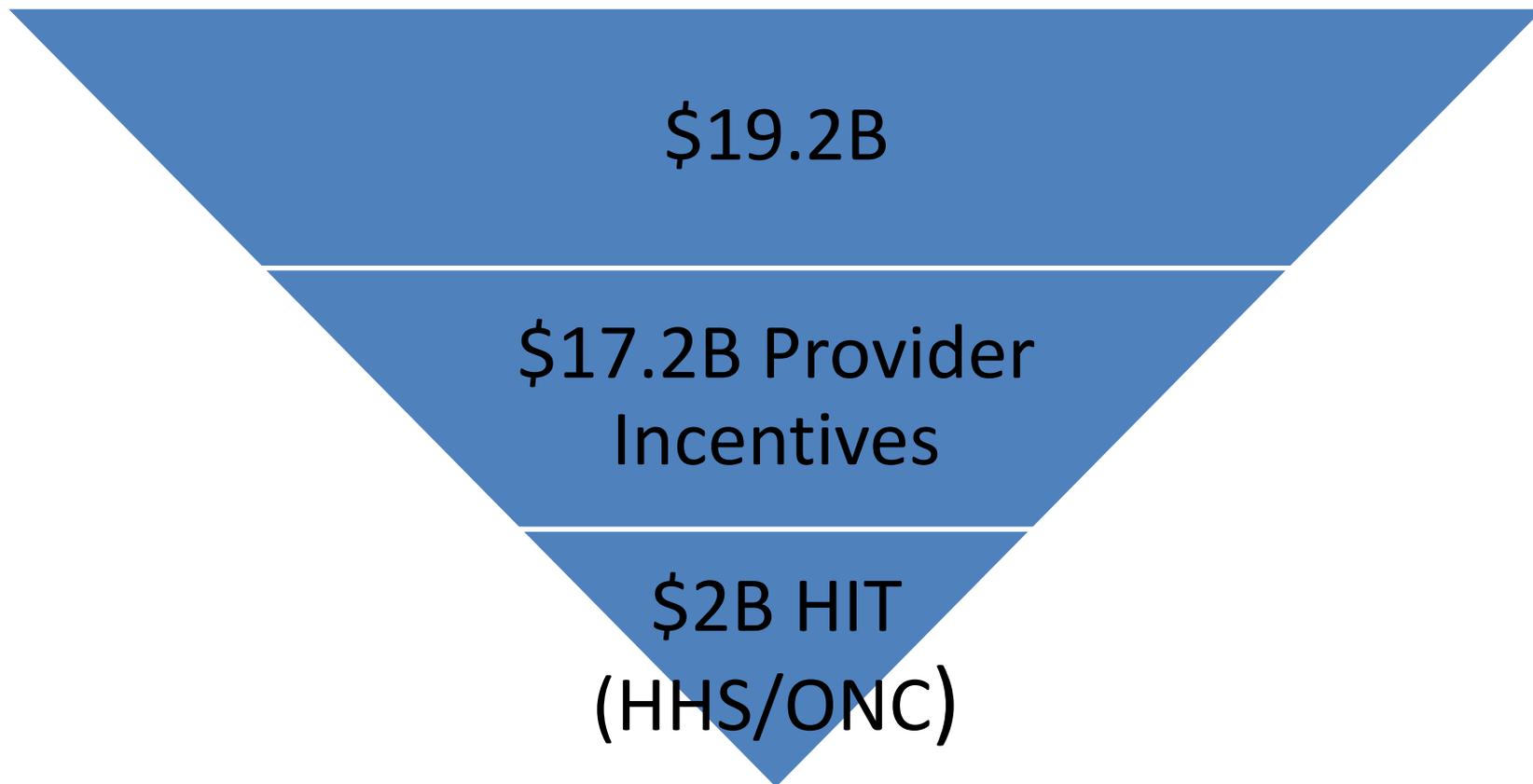
Specific health considerations will be addressed for patients of all ages, backgrounds, health needs, care locations, and sources of coverage.



National Quality Initiative: Aims, Priorities and Goals for Improving Quality

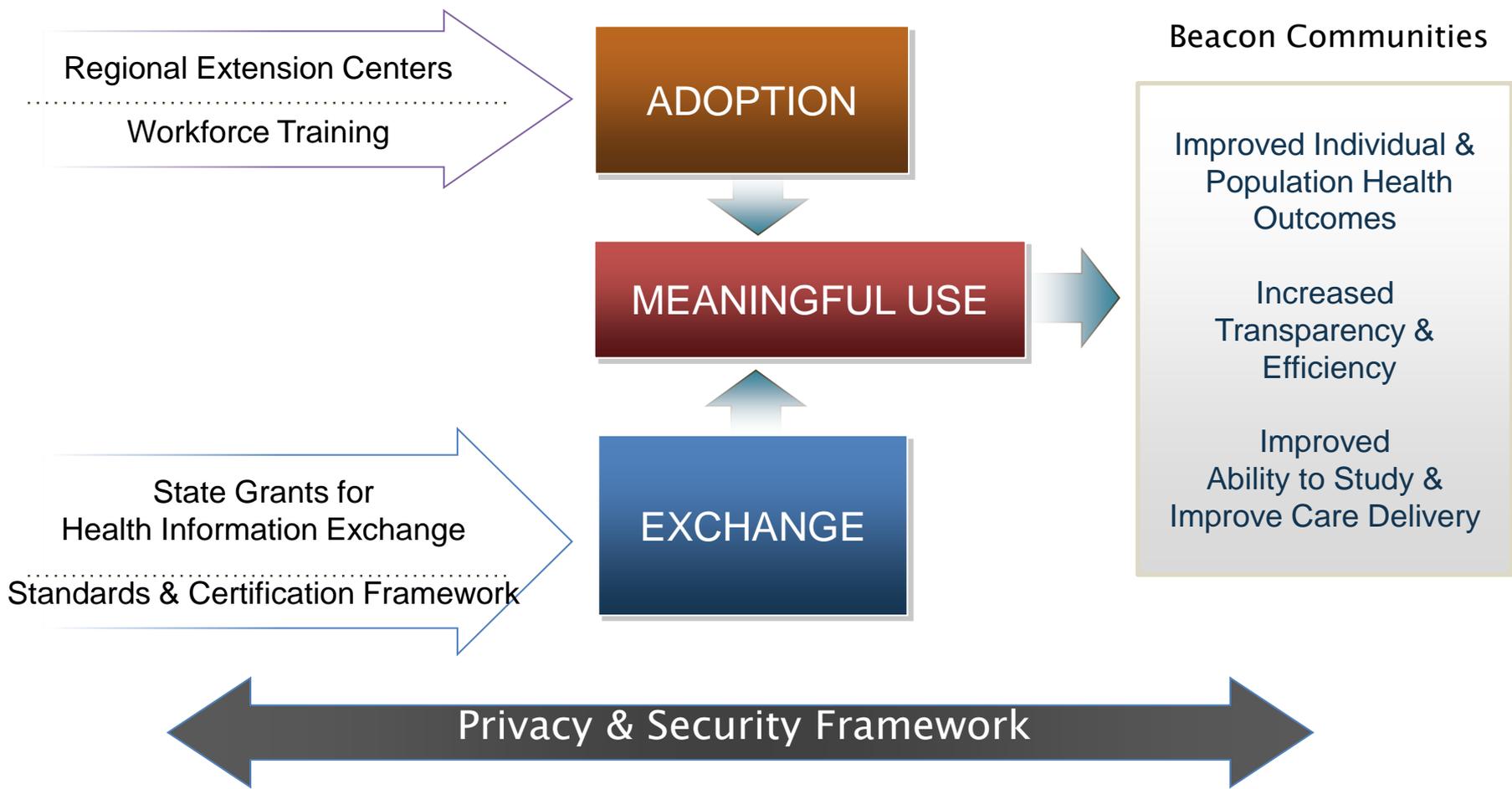
- 1. Making Care Safer**
- 2. Ensuring Person- and Family-Centered Care**
- 3. Promoting Effective Communication and Coordination of Care**
- 4. Promoting the Most Effective Prevention and Treatment of the Leading Causes of Mortality, Starting With Cardiovascular Disease**
- 5. Working With Communities to Promote Wide Use of Best Practices to Enable Healthy Living**
- 6. Making Quality Care More Affordable**

American Recovery and Reinvestment Act (ARRA) Health Information Technology for Economic and Clinical Health (HITECH)





HITECH Framework: Meaningful Use at its Core



- **Secretary Sebelius/February 17, 2012:**
 - Number of hospitals using HIT has doubled in past two years (from 16 to 35 percent)
 - \$3.1 B in MU payments to over 2,000 hospitals and 41,000 providers
 - 85 percent of hospitals say they intend to take advantage of MU incentives
- **End of May:**
 - 5.7 B in MU payments to 2,400 hospitals and 110,000 providers
 - Kentucky: 1,925 providers \$115,567,468
- **End of August:**
 - 7 B in MU payments nation-wide
 - Kentucky: 2,177 providers \$128,043,107

- March/2005
 - Legislation (Senate Bill 2) to create a secure interoperable statewide electronic health network
- 2007 -2008
 - Medicaid Transformation Funding - \$4.9 million
 - Built the technical infrastructure for the KHIE
- 2009
 - ARRA/HITECH Funding - \$9.75 million
 - Governor's Office of Electronic Health Information
- 2010
 - Kentucky Health Information Exchange LIVE

**Governor's Office of Electronic Health Information
Organization
September 14, 2012**

OATS

Rodney Murphy-Executive Director/CIO
Thangappan Patturajah-Chief Technical Officer
Paola de Prado-KHIE Chief Technical Architect
Shari Randle-Director, Div. of Systems Mgmt.
Lula Ray-Asst. Dir., Div. of Systems Mgmt.

OATS KHIE Team
April Smith-Project Mgr.
Jim Robinson-Project Mgr
Brennan O'Banion-Public Health Tech. Architect
Mike Long-Tech. Analyst
Swetha Nalakonda-Tech. Analyst
Linette Poole-On-boarding Specialist
Lori Adams-On-boarding Specialist
Donna Venno-Bus. Analyst

ACS/Axolotl (OI) Team
Paul Harvey
Kathy Reading
Carrie Cook
Darrell Fraliex
Danney Conley
David Allen
Karen Adams

**Governor
Steven L. Beshear**

Cabinet for Health and Family
Services
Audrey Tayse Haynes, Secretary
Governor's Office of Electronic Health
Information
53-721-12-00-00-00

Polly Mullins-Bentley, Acting Executive Director (001)

Polly Mullins-Bentley-Deputy Executive
Director
Brandi Genoe-Exec Secy II (004)
Mary Gaetz-Staff Assistant (005)

Kentucky Health
Information
Exchange
Coordinating Council
& Committees

Regional Extension
Centers
-UK REC
-Tri-State REC

OLS

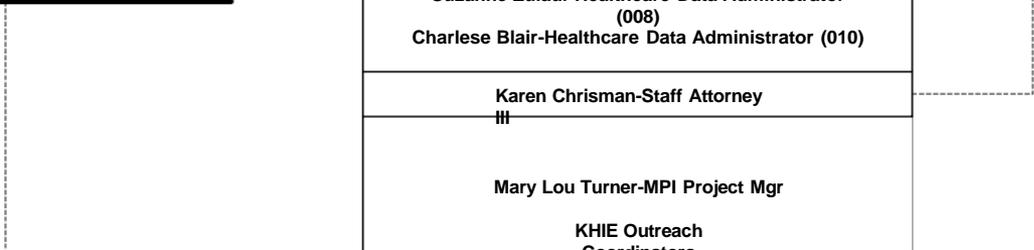
Christina Heavrin, General Counsel
Mona Womack, Deputy General Counsel
Brent Irvin, Deputy General Counsel

David Fuqua-Resource Management Analyst III
(006)
Ken Mitchell -Internal Policy Analyst III (009)
Suzanne Zulauf-Healthcare Data Administrator
(008)
Charlese Blair-Healthcare Data Administrator (010)

Karen Chrisman-Staff Attorney
III

Mary Lou Turner-MPI Project Mgr

KHIE Outreach
Coordinators
Laura Shonk-Region 1
Teresa Poff-Region 2
Ann O'Hara-Region 3
Dawn Gasser-Region 4
Pat Robinson-Region 5



- **Promote and increase the adoption and use of health information technology**
- **Assist with and facilitate state-wide meaningful use initiatives (in collaboration with other HITECH programs)**
 - *Assist providers in meeting meaningful use*
- **Provide governance and oversight to the Kentucky Health Information Exchange**
 - **Provide HIE Connectivity to as many providers as possible as quickly as possible**
 - Build critical mass
 - Demonstrate value

- **Meaningful Use**
 - Public Health Measures
 - Immunization Testing for Stage One MU
 - Syndromic Surveillance
 - Reportable Diseases/Labs
 - **Cancer Registry!**
 - **KY Collaborative MU Workgroup**
- **Work with Pharmacies to increase eRx**
- **Implement lab results exchange with delivery**
- **Work with behavioral health pilots on consent and connectivity**
- **Patient/Consumer Awareness Campaign**
- **Program Evaluation**



Pillars of Meaningful Use

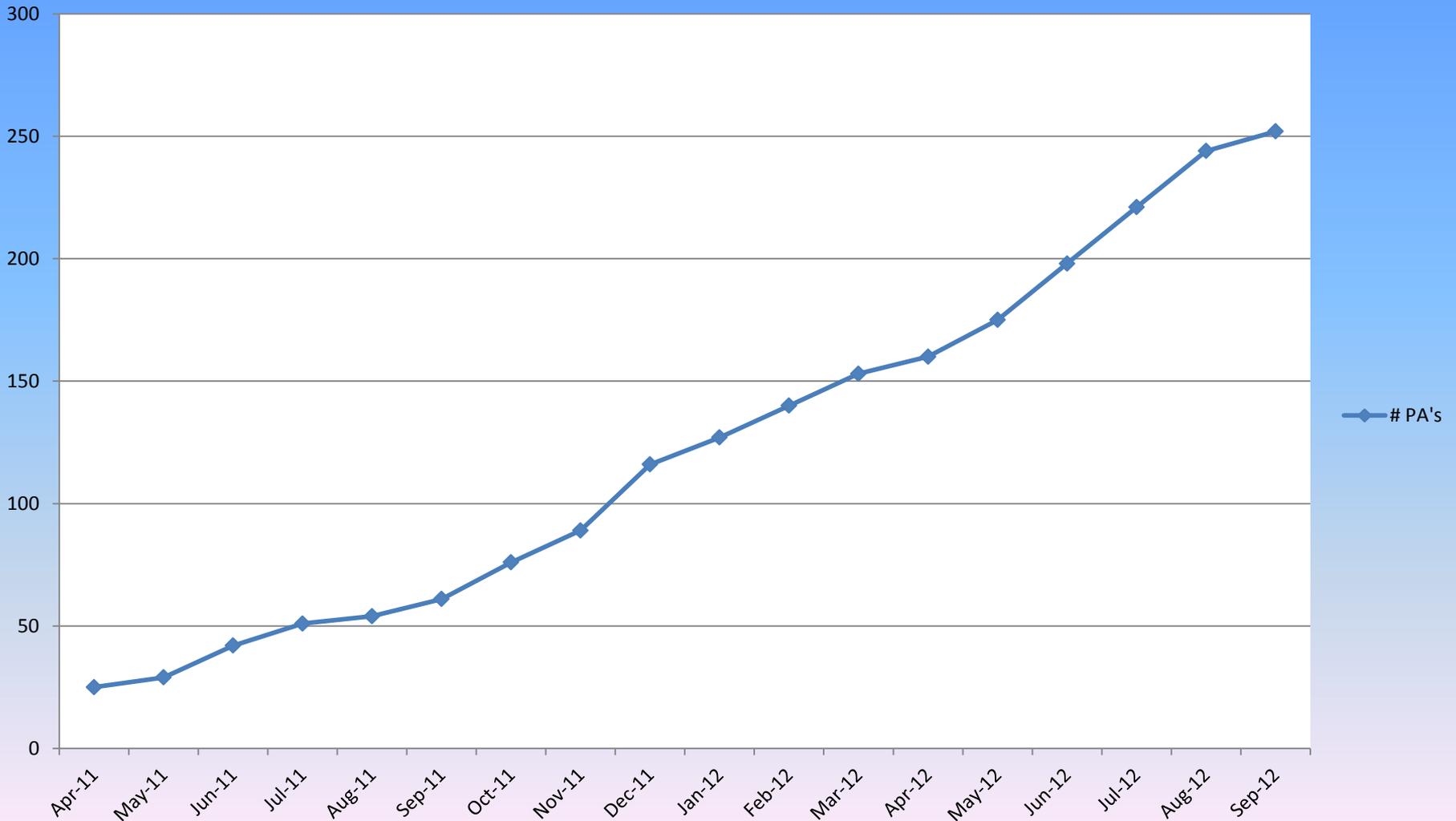


The movement of health care information electronically across organizations within a region or community. HIE organizations provide the capability to electronically move clinical information between disparate health care information systems and/or organizations while maintaining the meaning of the information being exchanged. **The goal of HIE activities is to facilitate access to and retrieval of clinical data to provide safe, timely, efficient, effective, equitable, patient-centered care.**

(The Office of the National Coordinator/ONC)



KHIE Participation Agreements Signed



Total 253 – represents 643 provider organizations:

67 Healthcare Systems/Hospitals

- Representing 95 hospitals

Physicians/Clinics

- 128 physician offices/34 clinics

Laboratories

- LabCorp
- Cumberland Medical Lab
- Kentucky Division of Laboratory Services
- Lexington Diagnostic and Open MRI

Federally Qualified Healthcare Centers

- 9 FQHC's representing 43 locations

Rural Health Clinics

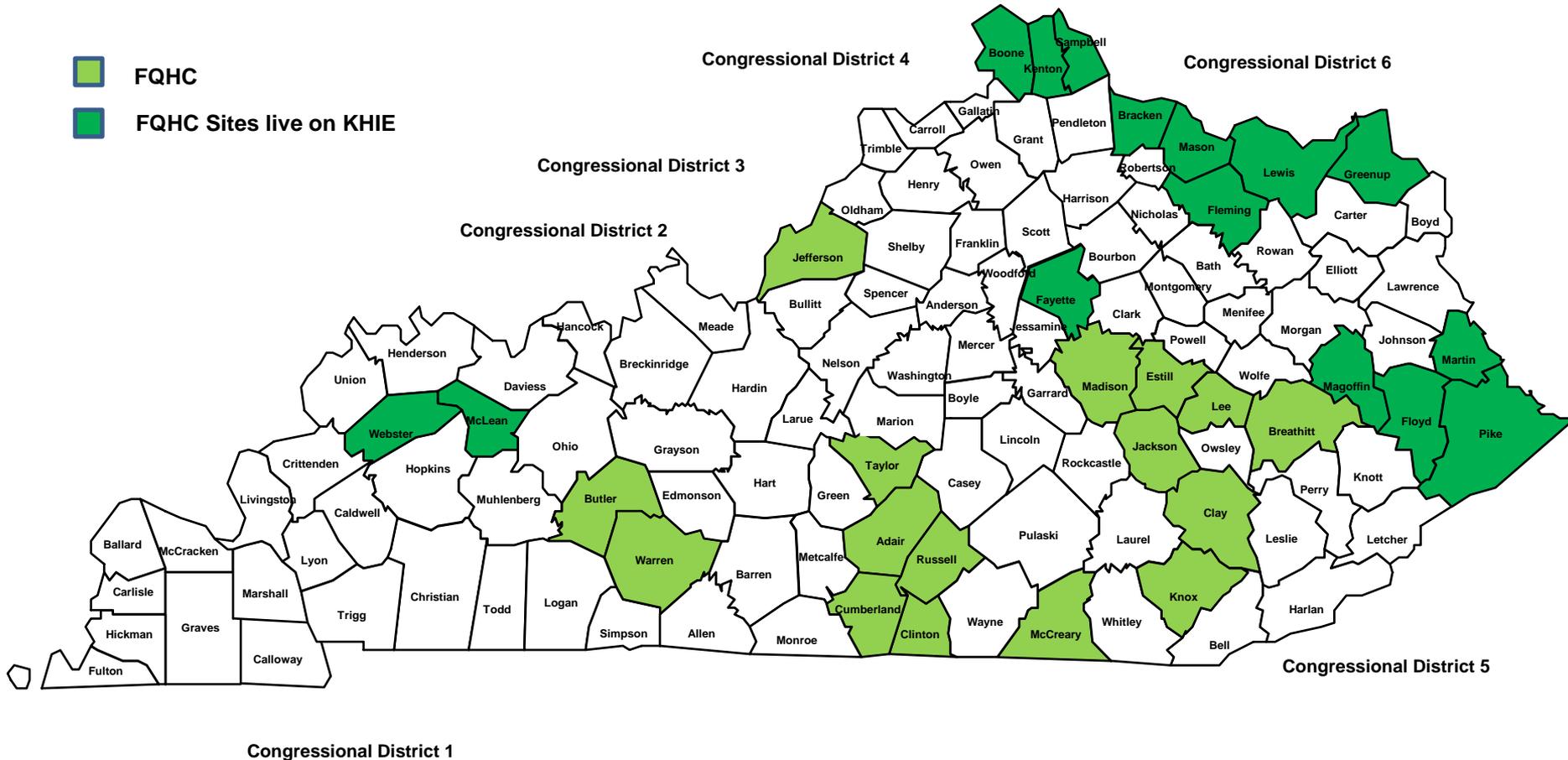
- 45 RHC's representing 83 locations

FQHC Participation Agreements

FQHC by County

9 Signed PA's representing 43 Sites
Updated 09/14/2012

- FQHC
- FQHC Sites live on KHIE



District 1 - Rep. Ed Whitfield (R)
District 2 - Rep. Brett Guthrie (R)
District 3 - Rep. John Yarmuth (D)

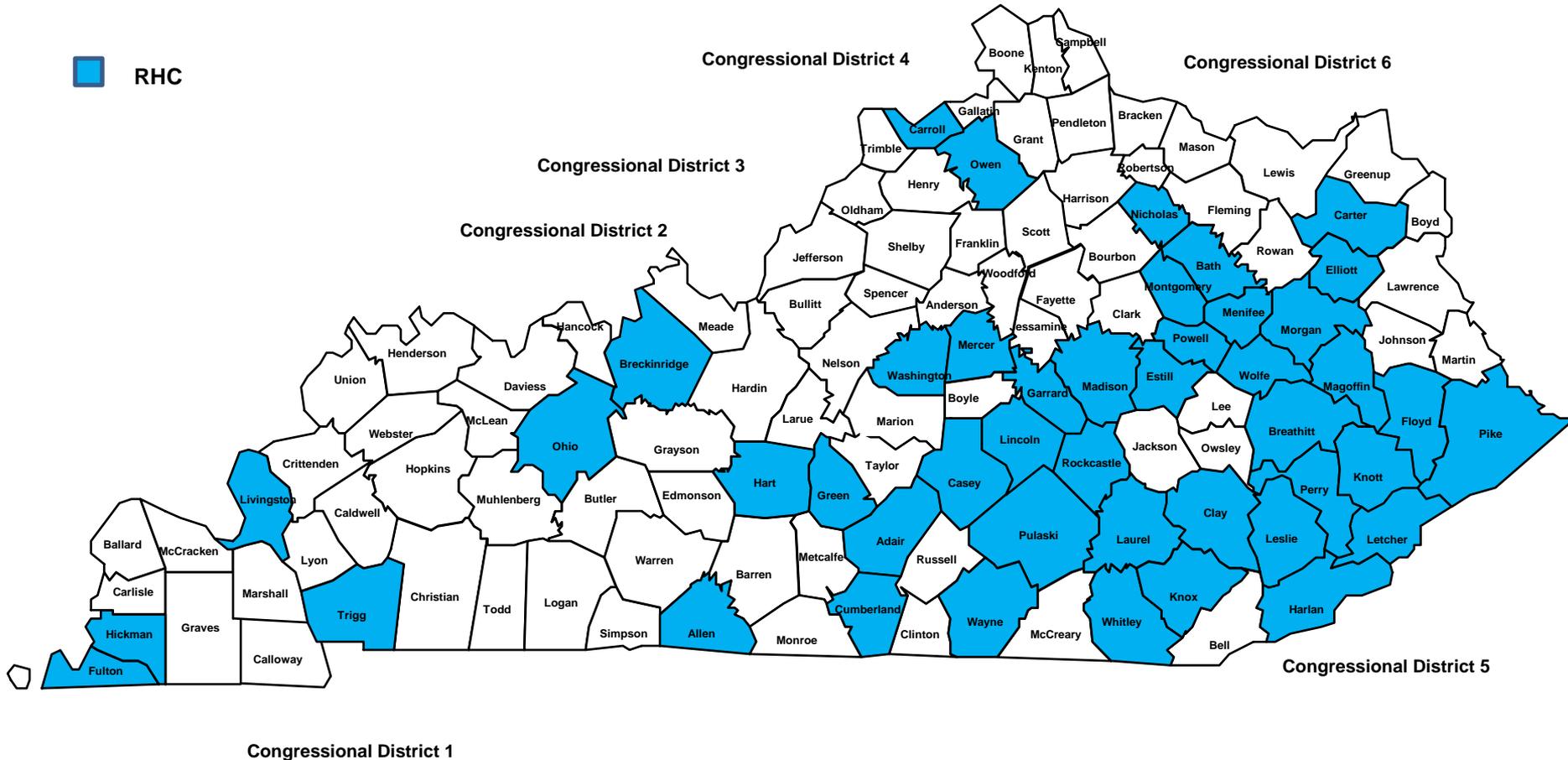
District 4 - Rep. Geoff Davis (R)
District 5 - Rep. Harold Rogers (R)
District 6 - Rep. Ben Chandler (D)

Rural Health Clinics Participation Agreements RHC by County

45 Signed PA's representing 83 Sites
Updated 09/14/2012



 RHC



District 1 - Rep. Ed Whitfield (R)
District 2 - Rep. Brett Guthrie (R)
District 3 - Rep. John Yarmuth (D)

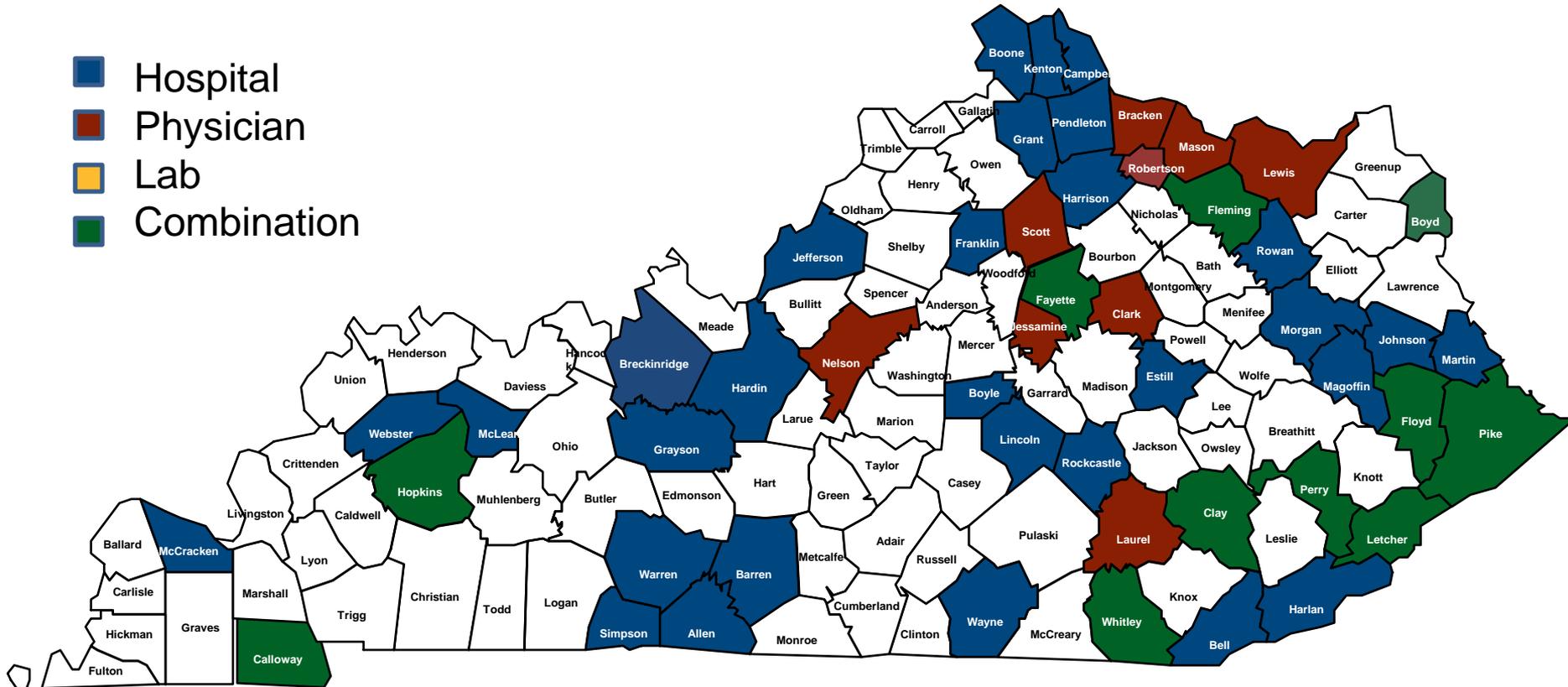
District 4 - Rep. Geoff Davis (R)
District 5 - Rep. Harold Rogers (R)
District 6 - Rep. Ben Chandler (D)

LIVE Connections

Hospitals/Physicians/Labs by County

Updated 09/14/2012

- Hospital
- Physician
- Lab
- Combination



Others:

- Kentucky Immunization Registry
- State Lab (Microbiology) (Franklin)
- Grundy, VA



Participant	# of Facilities
Pikeville Medical Center	1
University of Kentucky	1
Trover Health System	2
University of Louisville	1
Murray Calloway County Hospital	1
Commonwealth Health Corporation (Bowling Green)-1 CAH	3
Ephraim McDowell Hospital (1CAH)	2
Baptist Healthcare System, Inc.	1
King's Daughters Medical Center	1
Twin Lakes Medical Center	1
Big Sandy Health Care (FQHC)	5
Harrison Memorial Hospital	1
Ky. Div. of Laboratory Services	1
Lourdes Hospital	2
Ky. Immunization Registry	1
Appalachian Regional Healthcare (2-CAH)	7
Rockcastle Regional Hospital	1
Wayne County Hospital (CAH)	1
Murray Vision Center	3
Hardin Memorial Hospital	1
St. Claire Regional Medical Center	1

Participant	# of Facilities
Fleming County Hospital	1
Breckinridge Memorial Hospital (CAH)	1
HealthFirst Bluegrass (FQHC)	1
St. Elizabeth Healthcare (1-CAH)	6
Bluegrass Medical Center	1
T. J. Samson Community Hospital	1
Frankfort Regional Medical Center	1
Greenview Regional Hospital	1
Lexington OB GYN Associates	1
Regional Healthcare Affiliates (FQHC)	3
Hardin Memorial Hospital	1
Highlands Regional Medical Center	1
Bardstown Primary Care	1
Bluegrass Pediatrics and Internal Medicine	1
Norton Healthcare	5
Healthpoint Family Care	5
Laurel Medical Associates (Dr. Nancy Morris)	4
Primary Plus	8
Manchester Memorial Hospital	1
Dr. Burchett	1



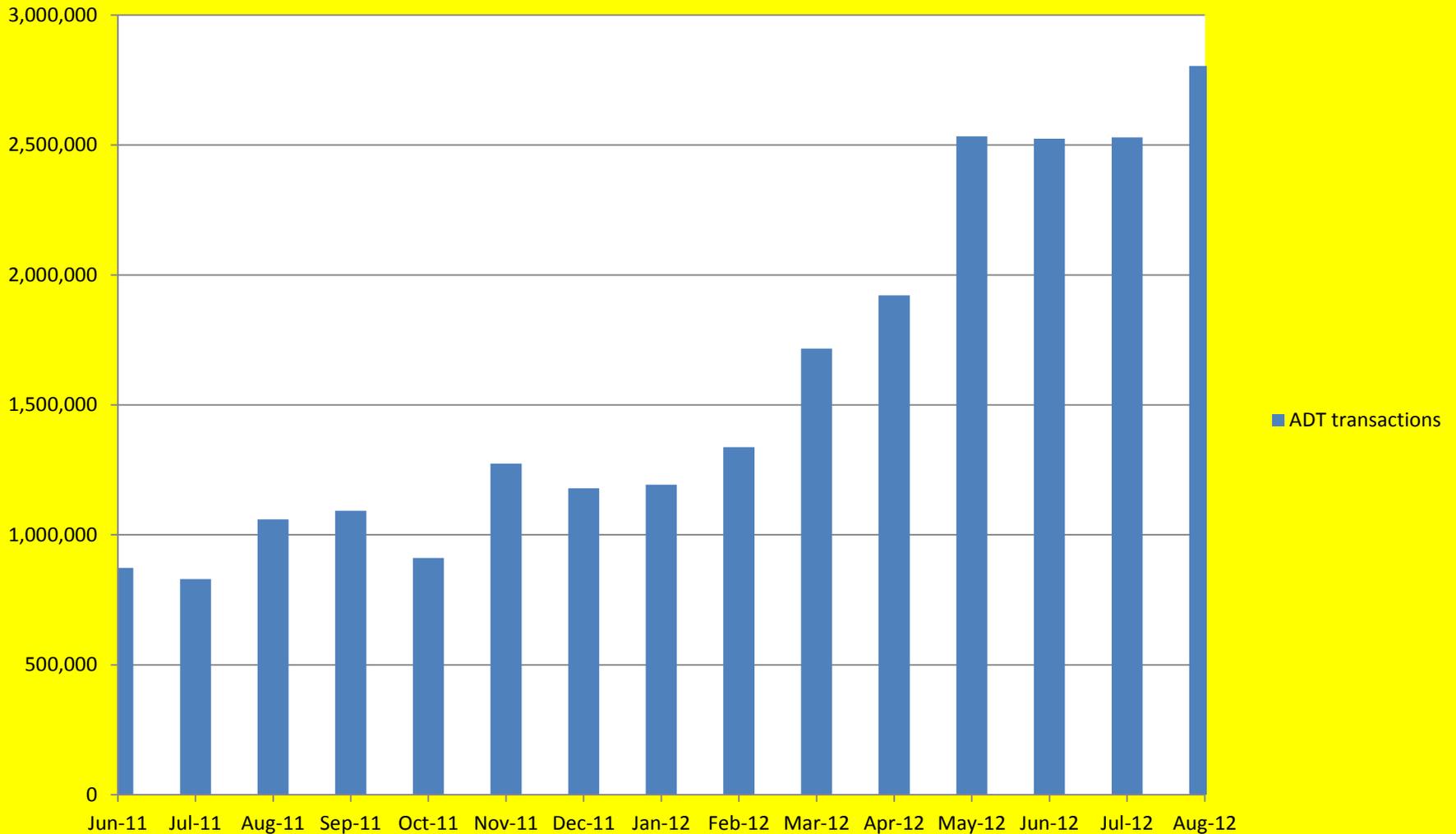
Hospital/Providers Status on Immunization Registry through KHIE

September 14, 2012

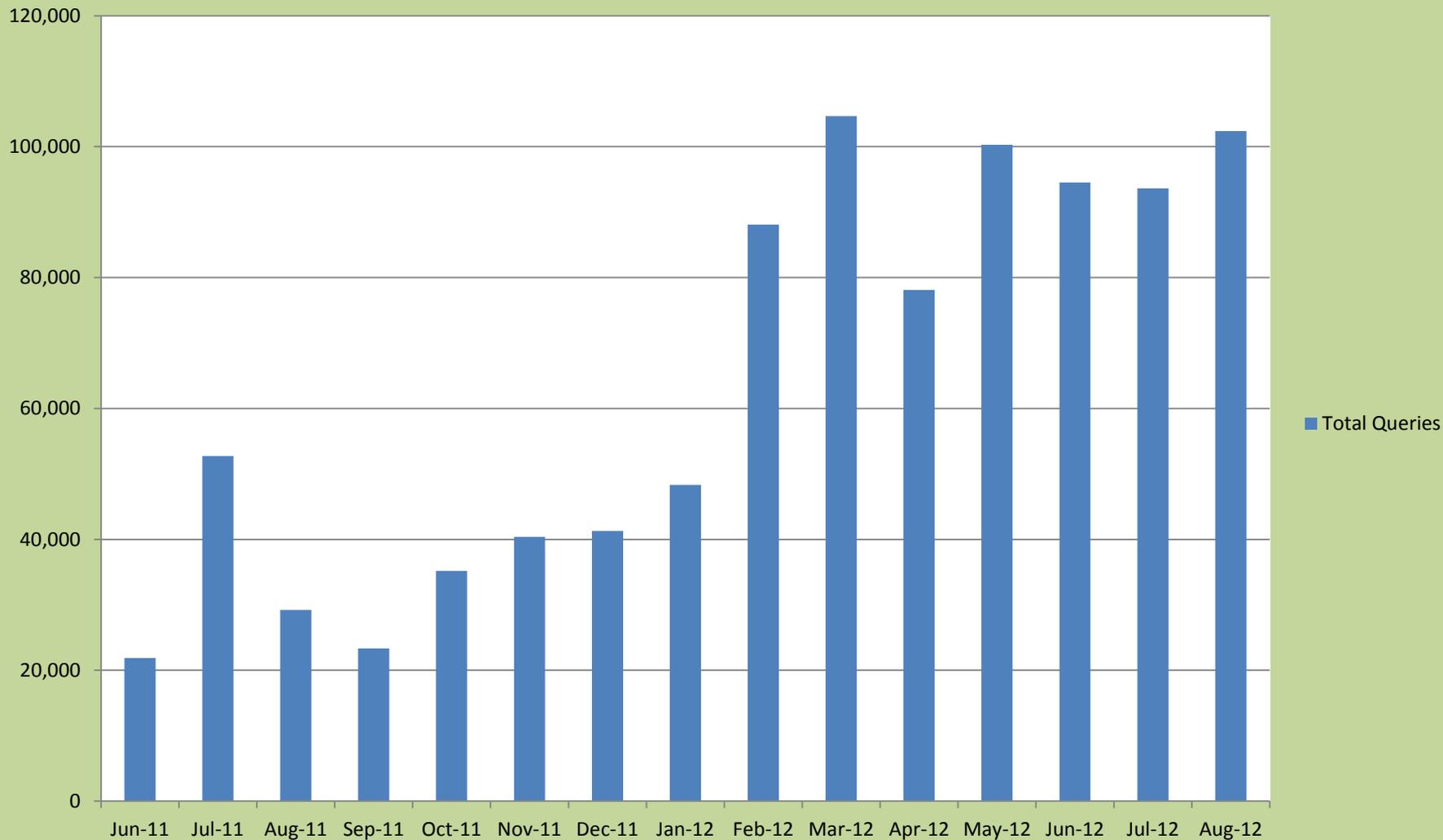
<u>Live on IR Facility Name</u>
Bardstown Primary Care
Bluegrass Community Family Practice
Bluegrass Medical Center
Bluegrass Pediatrics and Internal Medicine PLLC
Breckinridge Memorial Hospital
Fleming County Hospital
Frankfort Regional Medical Center
Greenview Regional Hospital
Hardin Memorial Hospital
Harrison Memorial Hospital
Highlands Regional Hospital
HealthFirst Bluegrass Inc
Healthpoint Family Care
Internal Medical Associates of SE KY
King's Daughters Medical Center
Laurel Medical Associates
Lexington OB/GYN Associates
Manchester Memorial Hospital
Marcum and Wallace Hospital
Mercy Health Partners / Lourdes Inc
Norton Cardio NMSN
Norton Community Med Assoc Ortho Trauma
Norton Community Med Assoc
Norton Immediate Care Centers
Norton Louisville Primary Care
Primary Plus
Regional Healthcare Affiliates Inc
Rockcastle Hospital
Twin Lakes Regional Medical Center
Wayne County Hospital

VXU Testing for MU Menu Measure 9 Attestation		
Data Provider	Test Result	Date of Certificate
Danville Medical Specialists	Unsuccessful	7/28/2011
Clinton County Hospital	Unsuccessful	7/29/2011
Manchester Memorial Hospital	Unsuccessful	7/29/2011
O'Bryan Family Medicine	Unsuccessful	10/5/2011
Burchett, Dr. Thomas	Unsuccessful	11/21/2011
Our Lady of Bellefonte	Successful	12/22/2011
Pediatric Associates of Frankfort	Unsuccessful	4/20/2012
Appalachian Regional Healthcare--Hazard	Unsuccessful	6/13/2012
Appalachian Regional Healthcare--Morgan	Unsuccessful	6/13/2012
Appalachian Regional Healthcare--Middlesboro	Unsuccessful	6/13/2012
Appalachian Regional Healthcare--Whitesburg	Unsuccessful	6/13/2012
Appalachian Regional Healthcare--McDowell	Unsuccessful	6/13/2012
Appalachian Regional Healthcare--Williamson	Unsuccessful	6/13/2012
Appalachian Regional Healthcare--Harlan	Unsuccessful	6/13/2012
Baptist--Western Baptist Hospital	Unsuccessful	6/19/2012
Baptist--Central Baptist Hospital	Unsuccessful	6/19/2012
Baptist--Baptist Regional Medical Center	Unsuccessful	6/19/2012
Baptist--Baptist Hospital Northeast	Unsuccessful	6/19/2012
Baptist--Baptist Hospital East	Unsuccessful	6/19/2012

ADT transactions

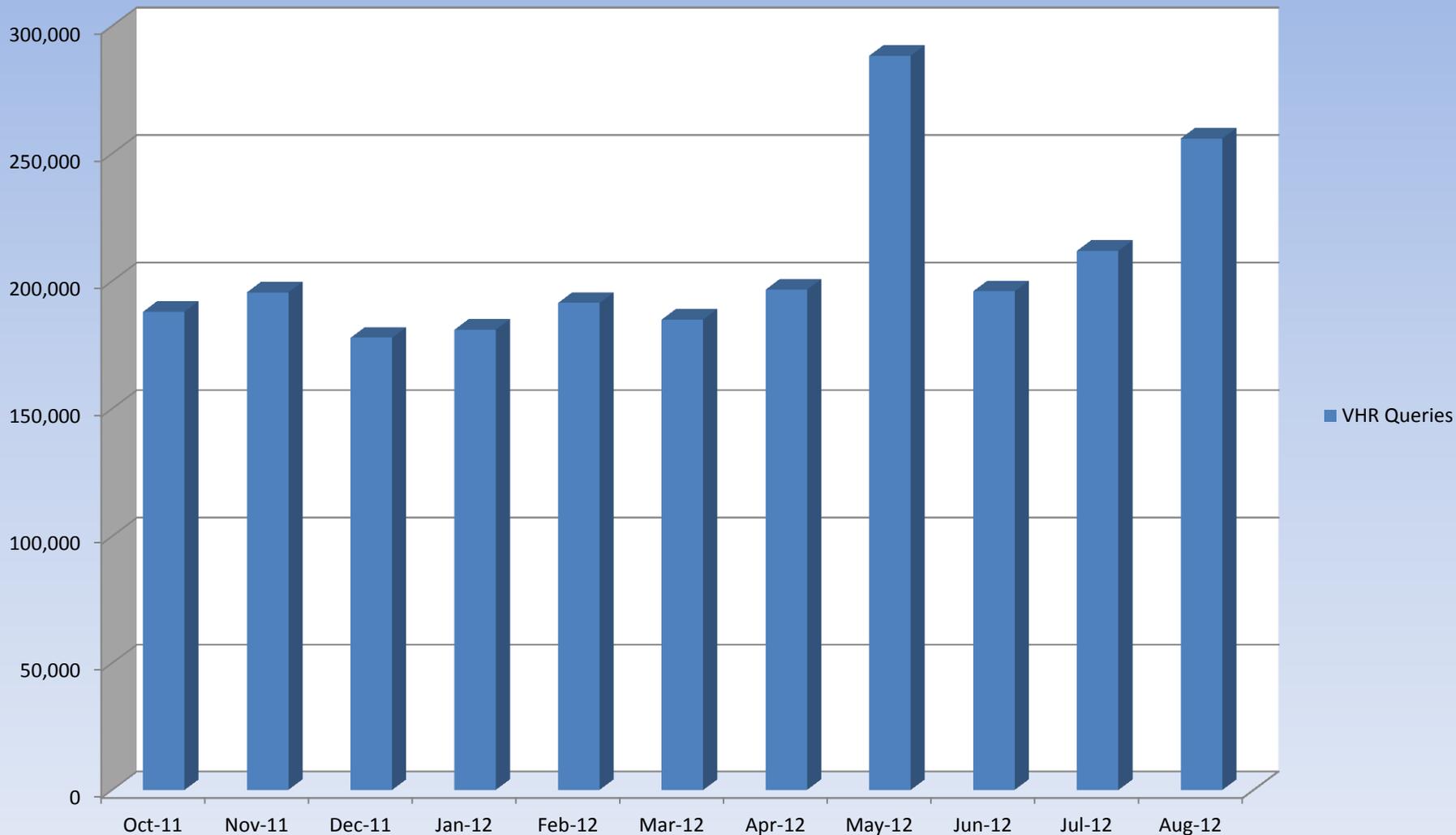


KHIE Total Queries



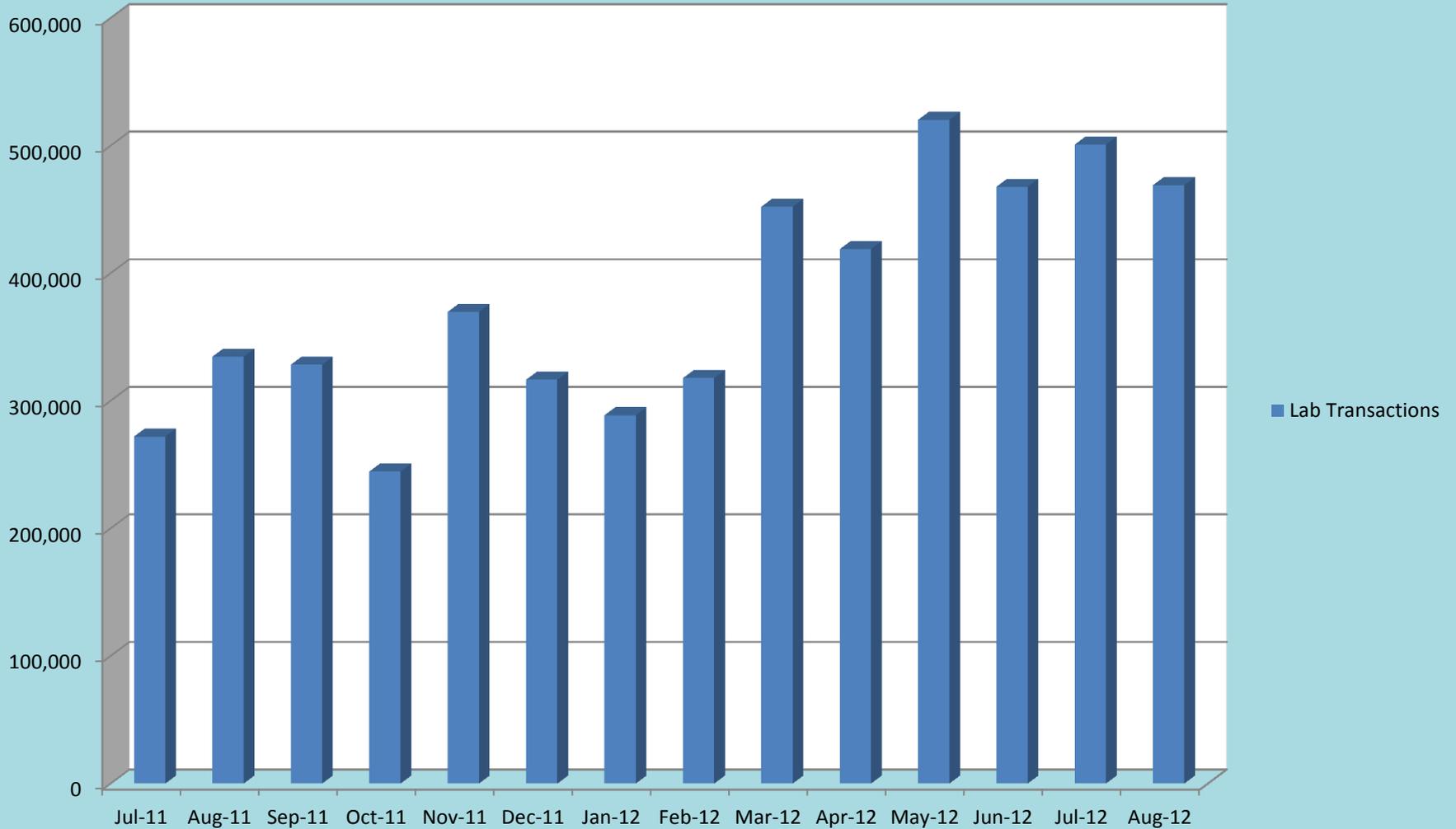
Requests for Patient Clinical Information Through the KHIE Community Portal June 2011- August 2012

KHIE VHR Queries





KHIE Lab Transactions



Impacting the Healthcare of Kentuckians

- **Use of Policy Levers**
 - Medicaid Claims Data
 - KHIE was seeded with two years worth /now three years
 - State Laboratory Results
 - Microbiology LIVE since July 2011/Newborn screenings in TEST
 - Kentucky Immunization Registry
 - KHIE offers a LIVE interface for providers to report vaccinations and populate the immunization registry – **MEETS STAGE ONE MU FOR PUBLIC HEALTH MEASURES**
 - Managed Care Organizations
 - Medicaid requires providers to connect to KHIE
 - Access provided to Case Managers for comprehensive case management/improved continuity of care

- **Policy Levers, continued..**
 - Prescription Drug Monitoring Program (KASPER)
 - Integration of KASPER into KHIE
 - Kentucky Cancer Registry
 - Submit cancer data for providers to the KY Cancer Registry
 - Stage 2 Meaningful Use - Menu option under public health measures

Behavioral Health is Essential To Health



Prevention Works



Treatment is Effective



People Recover



Advancing Primary and Behavioral Healthcare Integration through Health Information Technology

H. Westley Clark, M.D., J.D., M.P.H., CAS, FASAM
Director

Center for Substance Abuse Treatment
Substance Abuse Mental Health Services Administration
U.S. Department of Health & Human Services

Kick-Off Meeting for SDE HIE
Sub-Awardees

Microsoft Offices
Washington, DC • February 3, 2012



State Designated Entity Health Information Exchange Sub Awardee

Five states chosen

Kentucky

Illinois

Rhode Island

Oklahoma

Maine

Develop infrastructure supporting the exchange of health information among behavioral health and physical health providers through the development or adaptation of HIE systems





Connect with KHIE

Offering a safe and secure connection for the exchange of electronic health data .

[Learn More](#)



EHR Incentive Program

Eligible providers and hospitals may qualify for monetary incentives.

[Learn More](#)



Technology

Learn more about technology associated with KHIE and the KHIE Community Portal.

[Learn More](#)



News and Resources

Read recent press releases, view a provider map and more.

[Learn More](#)

Governor Steve Beshear issued an Executive Order in August 2009, establishing the Governor's Office of Electronic Health Information in the Cabinet for Health and Family Services to oversee the advancement of health information exchange in Kentucky. [Read more about the history of the Kentucky Health Information Exchange.](#)

Connected Providers



[Select a county from the map to find out who is connected.](#)

Contact Us

Are you a healthcare provider, hospital or other organization ready to connect to KHIE? Do you have questions, comments or need more information about the program? [Fill out this form to contact KHIE.](#)

About and Resources

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KHIE
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More information on the KHIE can be found on the Governor's Office of Electronic Health Information website at <http://khie.ky.gov>

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