

Georgia eHealth Summit



Georgia Health Information
Exchange Inc.



GEORGIA DEPARTMENT
OF COMMUNITY HEALTH

March 12, 2012

Georgia eHealth Summit

ONC Consumer Innovation Challenge

Paula D. Reynolds, MD, MPH

Executive Director, Chatham County Safety Net Planning Council

Director, ChathamHealthLink

Cory Weston

Technical Manager, ChathamHealthLink

Chatham County Safety Net Planning Council

- Located in Savannah, Chatham County, GA
- Formed in 2004 by the Chatham County Commission; became an independent 501(c)3 non-profit in 2007
- Chatham County Health Department acts as neutral convener
- Composed of stakeholders in care for the un/underinsured including representatives from both hospital systems, providers of health care to the uninsured, city and county government, local non-profit agencies and citizen groups
- Charged with working together to find efficient and effective methods to improve access to and quality of health care delivery to uninsured Chatham County citizens

ChathamHealthLink

- 2005- Health Information Technology was identified as the solution to gaps in data collection and providing most efficient, high quality healthcare at Strategic Planning Session
- Fall 2007- CCSNPC was named one of three state HIE demonstration projects by the Georgia DCH. Grant funding began in 2008.
- 2008- Encourage and support the adoption of Electronic Medical Records by Safety Net and Community Providers -Work with consultants to design the Health Information Exchange structure to meet the identified CCSNPC and community needs
- 2009- Release RFP to vendors-Vendor selection and contracting-Hardware acquisition-Hosting environment-Implementation
- April 2010- ChathamHealthLink went live with a system designed around a central database and an EMPI which can receive, process and store data from any number of providers and data sources with clinical portal view for authorized users.
- December 2010- ChathamHealthLink received permanent funding from the Chatham County Commission.

Chatham Connect with Direct

Chatham Connect with Direct, is designed to leverage the Georgia HIE Strategic Lab Program and the Georgia HIE Direct Project to build single, central patients records containing laboratory results from diverse sources which are then accessible to the patient using secure Direct addresses.

As a participant in the ONC Consumer Innovation Challenge, ChathamHealthLink will research the feasibility of leveraging the Direct project and the Lab Hub proposal to allow consumers secure access to their lab data from an HIE.

ONC Consumer Innovation Challenge

- ONC's overall Consumer Strategy focuses on empowering individuals to be partners in their health through health information technology and support consumers through:
 - ACCESS- easier access to their health information
 - ACTION- empower health consumers to take action using their health information
 - ATTITUDE- increase consumers' expectations regarding access to and use of health information
- Consumer Innovation Challenge is an invitation to collaborate with a group of grantees from across the nation to empower consumers to be partners in their care by "implementing innovative approaches to sharing electronic information with consumers and enabling consumer-mediated exchange, through which patients can aggregate, use and re-share their own information."

Consumer Engagement

Patient-centered Medical Home: Comprehensive, coordinated care is designed around the needs of the patient. Patients and their families are considered a core part of the care team and the care team actively supports patients in learning to manage and organize their own care and are fully informed.

Meaningful Use Stages 2 and 3 are likely to have requirements related to patients' having electronic access to their information through web-based portals and the ability to upload data.

Consumer Engagement

Patients have access to their paper records, but they are scattered among providers and difficult to organize.



Patients have access to their electronic records in many cases, but they are scattered among providers and difficult to organize.

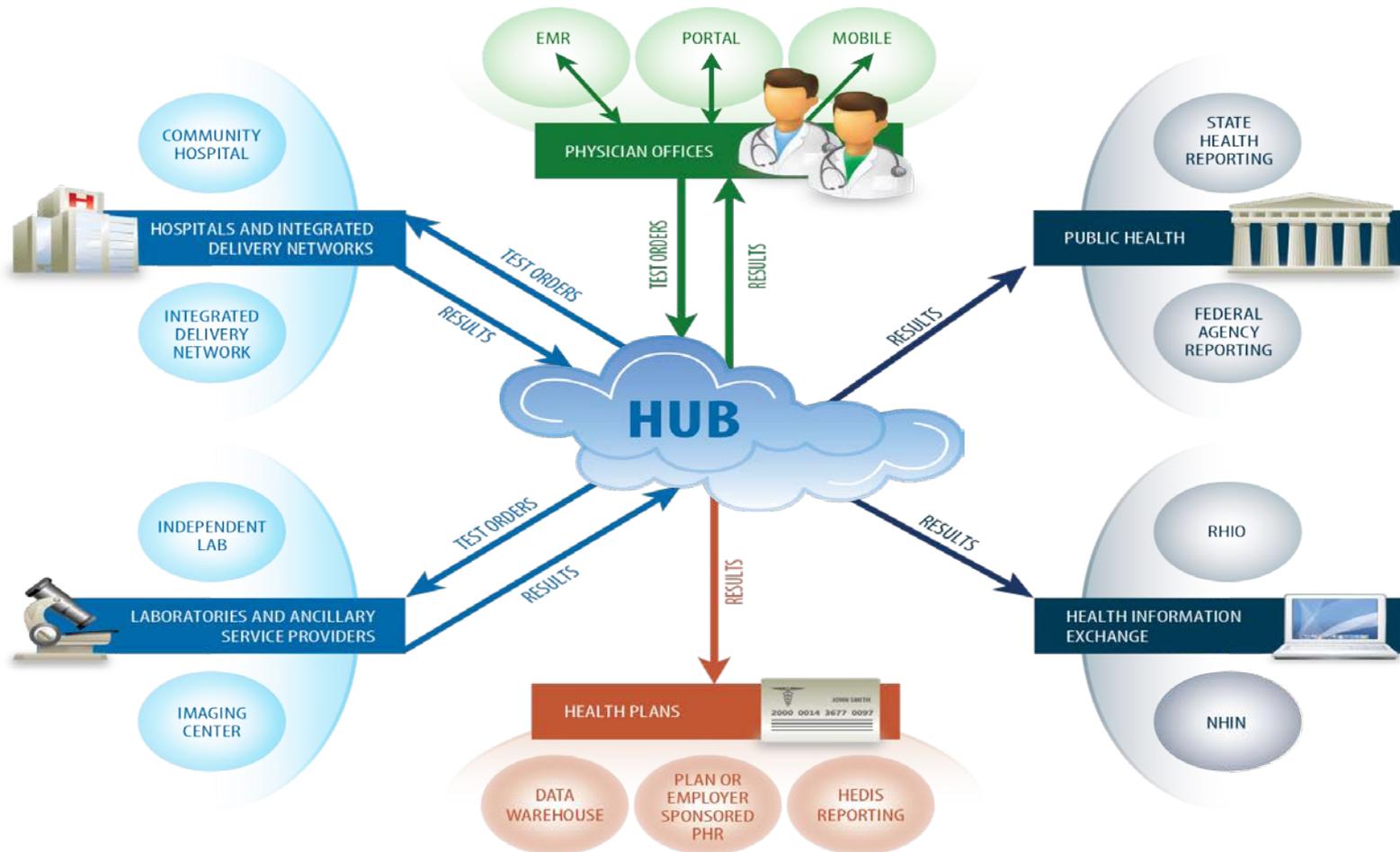
Electronic Data- Any Challenges?

- When receiving health data from a number of disparate EMRs or data sources, data can be in a variety of formats.
- When comparing data from disparate EMRs or sources, there may be inherent flaws or gaps.
- When assembling longitudinal records for patients, there must be a reliable method of matching the data to a patients record.
- When allowing access to patient records, there must be secure and dependable methods to identify the authorized individual accessing the record and authenticate that they are who they say they are.
- What information is a patient really interested in looking at or keeping?

Focus- laboratory tests

- Lab results can contribute over 90% of the objective data in a clinical record.
- An estimated 60-70% of patient care decisions are impacted by lab results.
- Results come from a variety of sources- hospital labs, private labs, providers' own labs
- Results often kept as paper records
- Patients do not have to have disease or condition to have lab tests performed - can be healthy!

Georgia's Lab Hub Program



Technical Solutions

Standardization/ Interoperability

Lab Hub Provides:

- Existing Technology
- Single Interface
- Accurate and Efficient movement of data
- Common language- LOINC Coding

LOINC Mapping

LOINC database – High Degree of Specificity:
<2,000 CPT4 codes for laboratory and pathology
vs. >44,500 laboratory LOINC codes

	Lab A	Lab B	Lab C	Physician Office A	Physician Office B
CPT4	82436	82436	82436	82436	82436
Test Name	Chloride 24 Hour Urine	Chloride 24 Hr	Chloride, 24Ur	Chloride Urine	Urine Chloride
Test Code	CL24	CLCU	8944.671	GLUU	URGLU
Specimen Type	24 Hour Urine	24 Hour Urine	24 Hour Urine	Random Urine	Random Urine
Units of Measure	mmol/L	mmol/24hr	mEq /L	mmol /L	mmol /L
LOINC Code	21194-6	2079-2	21194-6	2078-4	2078-4

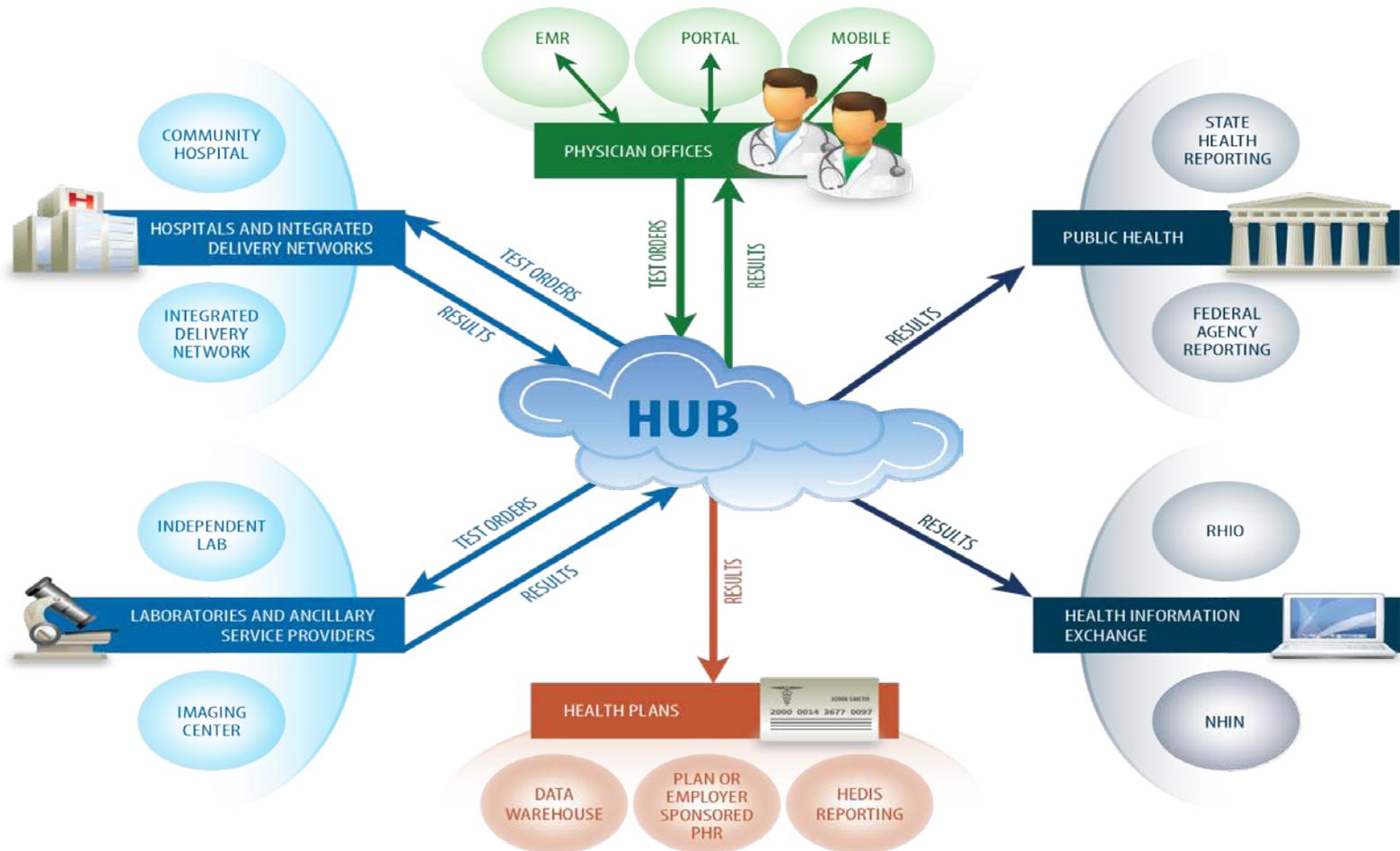
Technical Solutions

Patient Records

Health Information Exchange provides:

- Single Interface from Lab Hub
- EMPI (Enterprise Master Patient Index)
- Longitudinal Records
- Patient Access in one location

Georgia's Lab Hub Program



Consumer Access

The ONC Consumer Innovation Challenge proposed that states “could encourage patients and their providers to get Direct addresses and for consumers to begin receiving, aggregating and using their health information and sharing it with caregivers and providers. A variation on this approach would be for an operational HIE to start sharing its information directly with consumers, whether using Direct or not.”

The Direct Project seeks to enable participation in the secure exchange of Health Information to a broad set of participants and providers through a simple, standards-based method using the Internet. It consists of a set of standards, policies and services that define the mechanism of secure transport of information among participants without specifying what the actual content of the information is.

Summary

- A lab hub provides an excellent model for establishing and testing the identification, authentication policies, and procedures necessary to make a comprehensive, centralized patient health record work.
- However, a lab hub and the laboratories it serves typically have no direct contact with patients. Further, a lab hub has no need to match labs to a specific patient across providers and time, only to report test results to the provider of origin.
- Consumers need access to health data across multiple providers. A patient's lab records in particular are most useful only when they are up to date and contain all labs related to the patient, regardless of where they were ordered or which laboratory performed the tests.
- The function of maintaining longitudinal patient lab records is more logically the business of an HIE with Enterprise Master Patient Index capability and capacity to integrate data over time.
- When providing consumer access to their records which are maintained by an HIE, the standards and mechanisms of the Direct Project can provide for robust patient security, identification and authentication

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The goal is for the GHIE to be able to offer Georgia citizens seamless, secure access to their lab results from all lab sources, in one location, charted across time.

Contact Information

Paula Reynolds, MD, MPH

912-644-5219

pdreynolds@chlink.org

Cory Weston

cmweston@chlink.org

www.chlink.org

www.chathamshetynet.org