

# **Electronic Health Record (EHR) Incentive Program**

## **Health Information Technology (HIT) Executive Update**

## Agenda

**HIT Incentive  
Program Update**

**Matt McGeorge**, OMAP HIT Coordinator

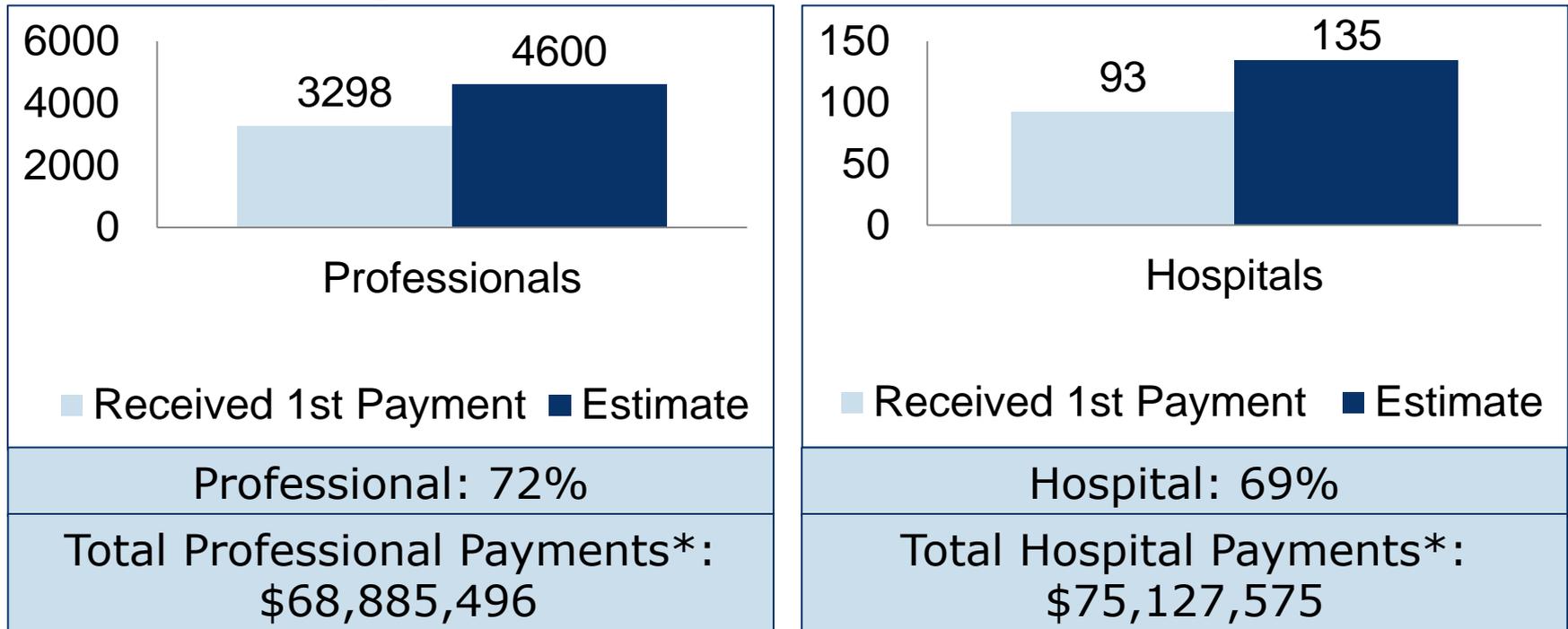
**PA eHealth  
Collaborative**

**Robert Torres**, Pennsylvania HIT Coordinator

**Keystone Health  
Information  
Exchange Update**

**Jim Younkin**, Director, Keystone Health Information Exchange

## Annual Update – Payments: Actual vs. Estimated



- Estimates based on rule requirements for eligible types and analysis of potential Medicaid patient volume
- Estimates will be revised when updated final rule is issued this summer
- Identify and outreach to potentially eligible providers to assess participation barriers / motivation

\* Payments through July 20, 2012 for first (EP-3298, EH-93) and second year (EP-58, EH-4) payments

## Annual Update – Payments: National Perspective

	State	Medicaid Payment Total		State	Medicaid Paid Provider Count
1	Texas	\$312,837,369	1	Texas	4032
2	California	\$227,909,436	2	Florida	3080
3	Florida	\$171,793,080	<b>3</b>	<b>Pennsylvania</b>	<b>2834</b>
4	New York	\$124,008,020	4	Ohio	2798
<b>5</b>	<b>Pennsylvania</b>	<b>\$121,224,130</b>	5	Washington	2061
6	Ohio	\$114,084,593	6	Massachusetts	1852
7	Louisiana	\$113,722,056	7	Tennessee	1710
8	Washington	\$97,050,785	8	Wisconsin	1467
9	Michigan	\$80,639,455	9	Oklahoma	1359
10	Kentucky	\$80,457,371	10	Maine	1355

Pennsylvania's Medical Assistance EHR Incentive Program launched June 6, 2011

Totals above are through May 2012 and source is CMS EHR incentive program

More Paid Providers = More Meaningful Use = More HIE capable = More MA recipients supported by EHRs

## Annual Update – Activities: Stakeholder Outreach



**Pre-Pay  
Certification  
Validation**

**Documentation of  
federally-certified  
EHR system  
required prior to  
Application  
completion**



**MA Provider  
Account**

**Verify provider  
MA PROMISE™  
account is accurate  
and up-to-date**



**Audit  
Update**

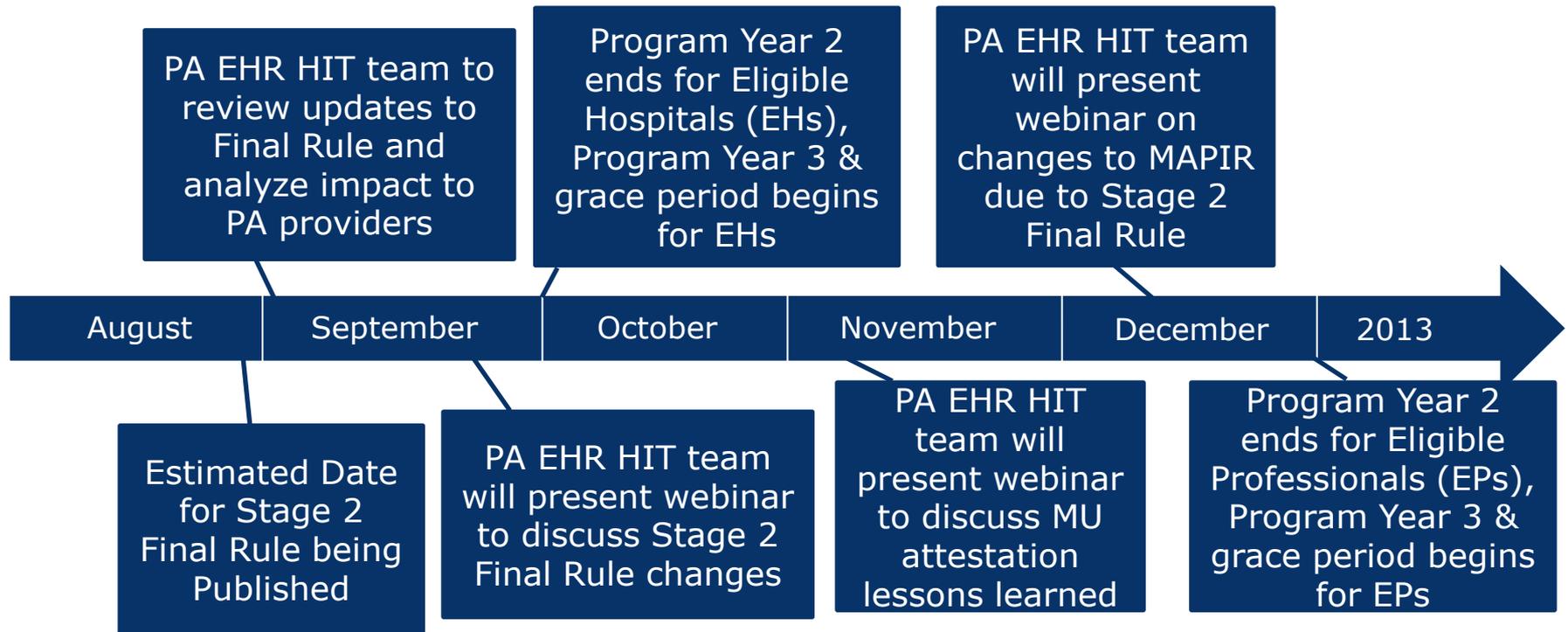
**Post-payment  
audit findings  
enhanced pre-  
payment validation  
process.**



**Additional  
Resources**

**PA EHR website:  
[www.pamahealthit.org](http://www.pamahealthit.org)  
  
CMS website:  
[https://www.cms.gov/  
ehrincentiveprograms/](https://www.cms.gov/ehrincentiveprograms/)**

## Outlook: Six Months and Beyond



### 2013

- Ability to accept MU attestation for a full 365 days for EPs
- Continue to support HIE efforts

## **Pennsylvania's Health Information Exchange Strategy**

**&**

## **DIRECT Messaging**

**Medicaid Program Webinar  
July 23, 2012**

# ▶ Pennsylvania eHealth Collaborative

- **Established**

- July 27, 2011 - Gov. Tom Corbett issued Executive Order

- **Purpose**

- Meet federal requirements
- Enable use of information technology to advance secure Health Information Exchange (HIE)

- **Objectives**

- Improve healthcare quality and efficiency
- Ensure patient safety
- Provide secure, confidential access to health information for making the best possible health decisions

# ▶ PA eHealth Collaborative Timeline

**July 26-27, 2011:** Stakeholder Planning Session

**August–October 2011:** Compiled stakeholder findings. Organized five committees. Engaged in committee work. Conducted HIE survey.

**November–December 2011:** Finalized recommendations. Drafted and presented draft strategic plan to stakeholders for comments. Received more than 30 endorsement letters from different organizations

# ▶ PA eHealth Collaborative Timeline

## 2012 Timeline

**March 8:** Resubmitted strategic and operational plans to ONC

**May 14:** Strategic and operational plans approved

**June – August 15:** DIRECT Incentive Grant Program in progress

**July 5:** Governor signs Senate Bill 8

# PA eHealth Partnership Authority (SB 8)

- 15 member board of directors must be appointed within 90 days of July 5th
- Secretaries of Health and Public Welfare (2)
- Governor appoints 7 private sector stakeholders
- Legislature appoints 6 health information exchange organizations
- Governor appoints chair from membership

# Summary of Strategic Plan Recommendations and Next Steps

- Establish public/private authority to become overarching HIE governing entity for some period of time after federal grant ends and then transition to independent non-profit organization
- Authority will provide “community shared services” to enable and advance health information exchange within and beyond PA among disparate organizations
- Model being proposed is a federated model therefore all participants maintain their own information and no health data will be stored
- Develop an internal commonwealth – HIE similar to PA Justice Network (JNET)

# ▶ **ONC DIRECT Project**

## ➤ **DIRECT Project**

- Office of National Coordinator for Health Information Technology (ONC) recognizes communication of health information among healthcare organizations and providers is most often achieved by sending paper via mail or fax.
- Use of the Internet to communicate health information has been limited due to lack of standards.
- The DIRECT Project is an open government initiative started by the ONC.
- DIRECT provides capability to replace paper-based information sharing with secure email based electronic information sharing.

# PA eHealth Collaborative and ONC DIRECT Timeline

**ONC is very focused on implementing DIRECT exchange, in all states, as a pre-cursor to more sophisticated HIE capability in the future.**

***\* Meaningful Use (MU) Phase 2 requirements are not yet finalized, but it is expected that EHR vendors will be required to support DIRECT to become certified, providing significant positive impacts to provider workflows.***

## **DIRECT Timeline**

- **January – June 2012:** Conducted a DIRECT Pilot Program in PA with 6 participating health information service providers (HISPs) – developed certification framework
- **February, 2012:** ONC Program Information Notice (PIN) #2 was issued, requiring annual plan updates with progress and a benchmark specifically for the **DIRECT** project (enroll **1,000** providers on DIRECT in PA in 2012)
- **June, 2012:** Four DIRECT service providers certified to market DIRECT services to providers in PA
- **June – August 15, 2012:** DIRECT Incentive Grant Program in progress

# ➤ What is DIRECT Messaging...In Simple Terms

- Method of packaging health information and communicating from one provider to another in a secure email
- Benefits patients and providers by improving communication of health information, making it faster, more secure and less expensive
- Seeks to create health information sharing communities, that can become stepping stones toward more advanced Health Information Exchange in the future
- Can help providers satisfy Meaningful Use (MU) criteria to qualify for HIT incentives

# DIRECT Grant Opportunity

- **Grant Program:** Providers get one year of DIRECT services covered if they sign up with a certified HISP
- **Start & End Dates:** June, 2012 – August 15, 2012
- **What providers need to do?**
  - Enroll with a certified HISP (HISP will apply for and collect grant funds directly...**no paperwork for providers**)
  - Encourage participation from those providers with whom they exchange health information
- **What to expect from the HISP?**
  - Digital certificate
    - Confirmation that a provider has been validated and can be trusted
  - DIRECT email address

# ▶ DIRECT Benefits

- ▶ Fulfills MU data exchange capability requirement
- ▶ Low Cost Solution
  - 100% subsidized for first year of use
- ▶ Increased Efficiency
  - Saves administrative time related to fax / phone / email / courier / hand delivery
  - Single method of sharing patient information
- ▶ Improved Care Quality
  - More complete and accurate patient data available where and when needed

# DIRECT Project: Secure Internet-based Email Communications



Dr.Smith@direct.HISPA.org

Direct Project specifies a simple, secure, scalable, standards-based way for participants to send encrypted health information directly to known, trusted recipients over the Internet.



Dr.Jones@direct.HISPB.org

- **Simple.** Connects healthcare stakeholders through universal addressing using a email based simple push of information.
- **Secure.** Users can easily verify messages are complete and not tampered with while moving between sender and receiver.
- **Scalable.** Easily implemented in small and large organizations. Takes advantage of Internet availability with no need for additional in-house technology or resources.
- **Standards-based.** Built on common Internet standards for secure email communication.

# How can DIRECT be used?

## ➤ Patient Consultation and Referrals

- Requesting referral and forwarding patient history
  - Providing complete information when and where it can make the most impact
  - Improving the quality of the care being delivered by reducing data errors
- Collaborating on consultation
  - Providing a free flowing communication channel between providers
  - Shortening the time necessary to evaluate, react, and provide appropriate care

# How can DIRECT be used? (Cont'd)

## ➤ Patient Care Summaries

- Notification of hospital admission or discharge
  - Providing advance opportunity for patient follow up
  - Reducing readmission probabilities
- Home health requirements
  - Providing timely information, which leads to most appropriate care
- Care coordination
  - Providing opportunity for more timely follow up to gaps in care
  - Reducing adverse events related to care non compliance

# ➤ How can DIRECT be used? (Cont'd)

## ➤ **Lab Tests**

- Ordering and receiving results
  - Ability to deliver more timely lab test orders
  - Ability to receive more timely lab test results

## ➤ **Eliminate or significantly reduce reliance on fax / phone / email / courier / hand delivery**

# How To Select a DIRECT Messaging Service Provider

## Ask Certified HISPs These Questions (at a minimum):

- What are the base services provided by a HISP?
- What services are included in the subsidized (first) year?
- How long will it take to establish DIRECT capability in my office?
- Will enabling DIRECT disrupt my current systems or processes, and for how long?
- What will the cost be after the first year?
- Will I be able to customize the service to better meet my organization's needs, and what will the cost of customization be?
- Will I be able to change DIRECT service providers after the first year?
- Will I lose functionality if I change vendors, and what will the impact be?

# ▶ Getting DIRECT Service

## Next Steps:

- Contact Certified HISPs – Published on PAeHC website, and available through healthcare professional organizations in PA
- Ask Questions
- Choose a HISP
- Establish a relationship with the selected HISP (sign agreement)
- Establish DIRECT service in your office or facility
- Establish or join a Patient-Centered data sharing community
- Begin saving time and money, and improve the quality of care for patients

# Certified HISPs

HISP	Contact Information	HISP Certified	Grant Approved
<b>Allied HIE</b>	Kelly Lewis 570-510-7745 Kelly@alliedhie.com www.alliedhie.com	<b>X</b>	<b>X</b>
<b>Geisinger Clinic, leading collaboration known as Keystone Health Information Exchange</b>	Kimberly A. Chaundy 570-214-7155 kachaundy@geisinger.edu www.ghs.edu www.keyhie.org	<b>X</b>	<b>X</b>
<b>Max MD</b>	Tony Payer 201-963 0005 office 732-319-0408 cell tpayer@max.md www.max.md	<b>X</b>	<b>X</b>
<b>Secure Exchange Solutions (SES)</b>	Dan Kazzaz 301-637-2179 888-470-9913 Dan.Kazzaz@SecureExSolutions.Com www.secureexsolutions.com	<b>X</b>	<b>X</b>

# ▶ Getting DIRECT Service

**Questions?**

**Contact PAeHC at:**  
**[pa-ehealthcollab@pa.gov](mailto:pa-ehealthcollab@pa.gov)**

# Presentation Acronym List

## Acronyms:

- **PAeHC** – Pennsylvania eHealth Collaborative
- **HIE** – Health Information Exchange
- **ONC** - US Department of Health and Human Services' Office of the National Coordinator for Health Information Technology
- **PIN** – ONC Program Information Notice
- **MU** – Meaningful Use
- **HISP** – Health Information Service Provider



*The right information, right now.*

HEALTH INFORMATION EXCHANGE • KEYSTONE HEALTH INFORMATION EXCHANGE • KEYSTONE HEALTH INFORMATION EXCHANGE

# Health Information Exchange in PA: The Keystone Health Information Exchange® July 23, 2012

Jim Younkin  
Director, KeyHIE®

I have an EHR, so why do I need to connect to a health information exchange?

**A HEALTH INFORMATION EXCHANGE**  
ensures health information is  
**available**  
when and where it is needed.

# Silos of healthcare information



---

Hospitals

Family physicians

Specialists

Nursing Homes

Home Health

The current healthcare system is fragmented

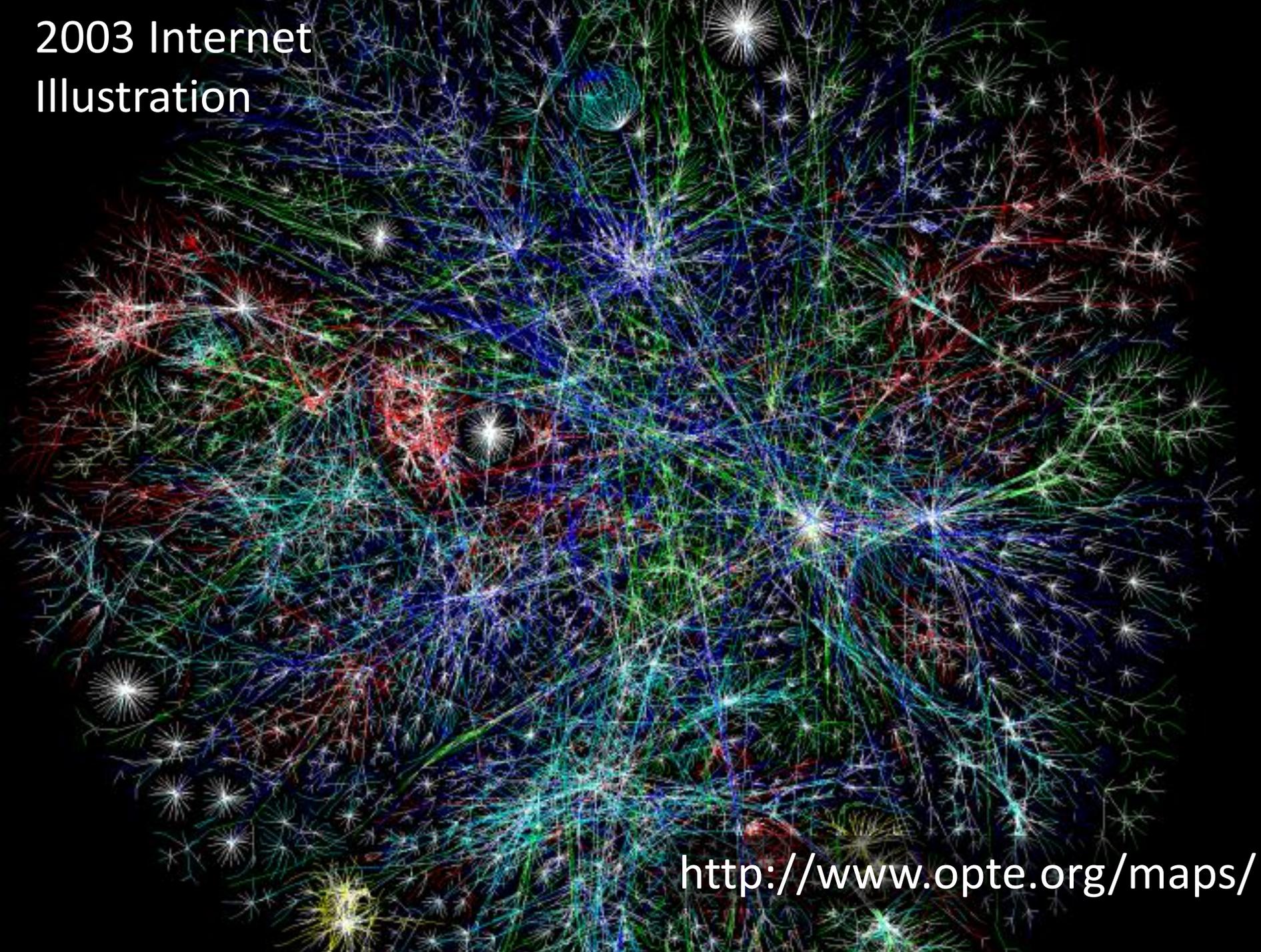


1990s Laptop  
Toshiba T1000LE  
1 MB RAM  
20 MB Hard Drive



“Add a modem in the T 1000 LE's modem slot, and you open up the wide world of mobile telecommunications.”

# 2003 Internet Illustration



<http://www.opte.org/maps/>

# HIE Value to PCPs

- Immediate access to discharge summaries, H&Ps, lab results, radiology reports, CCDs
- Aggregated view of patient information across institutions
- Can be integrated into EHR for easy access
- Meaningful Use

# 3 Health Information Exchange Models

Pull Model



Query for results

Push Model



E-mail for healthcare  
(Direct)

Subscription Model



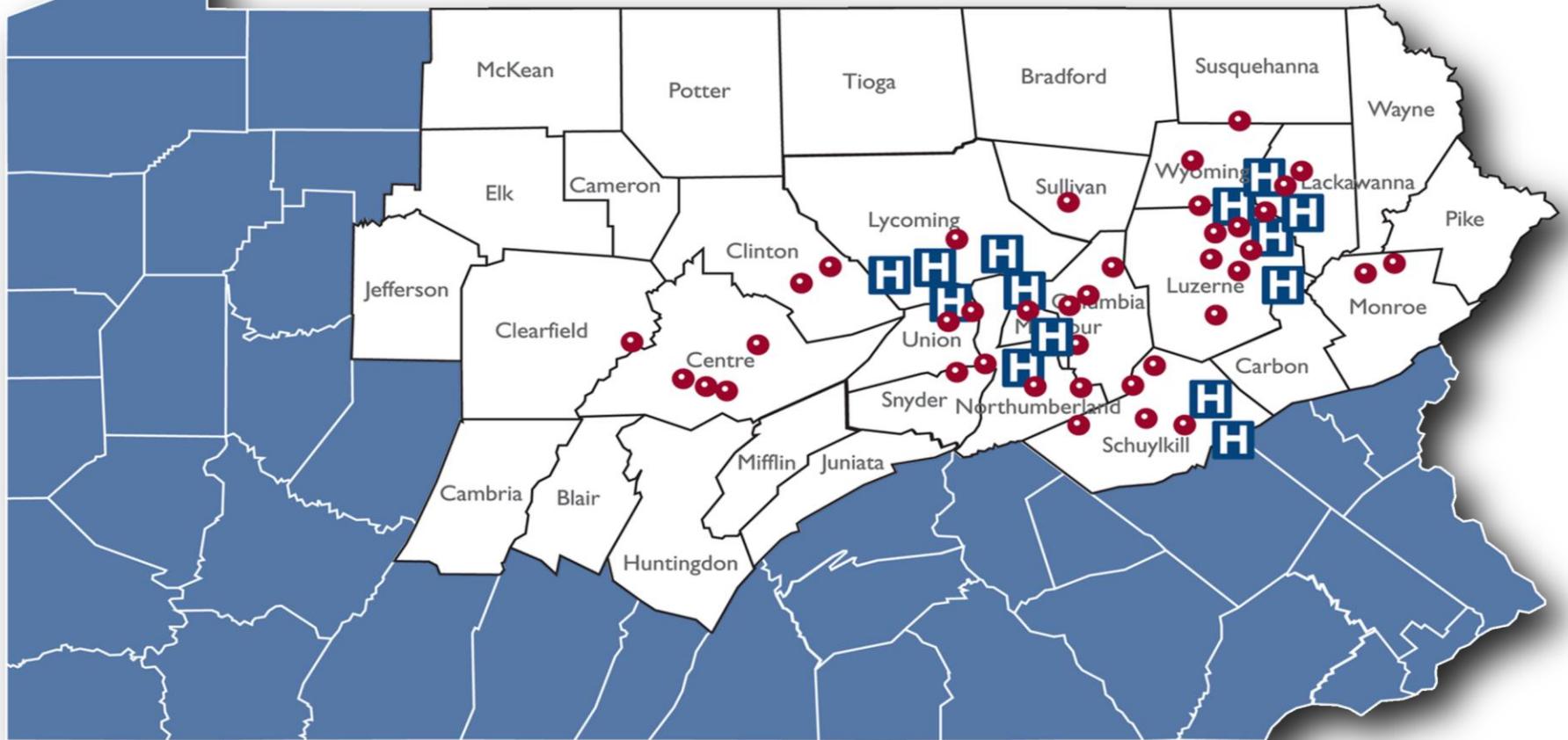
Real-time alerts  
and notifications

# HIE Use Case: Emergency Department



A patient with a seizure disorder, arrives unconscious

# Keystone Health Information Exchange<sup>®</sup> (KeyHIE)



# KeyHIE statistics

- Operational since January 2007
- 35 different healthcare organizations
- Health information available from hospitals, nursing homes, and home health
- More than 600+ users accessing information via doctors' offices, hospitals, and free clinics
- Serves nearly 3.5 million people

# KeyHIE® Services

## KeyHIE for Providers

**KeyHIE** The right information, right now.  
 Keystone Health Information Exchange

Home | ED Board | Hospital Phone List | My Account | HIE | Logout

**Patient Details:**  
 Name: RHIO, EXCHANGE Age: 21 yrs Gender: MALE Date of Birth: 8/25/1986

**Demographics (3)**

Catchlayer: Shamokin | Bloomsburg

MRN: 9999001 Authorization: **OVER** Home Phone: (570)271-5555  
 Age: 21 yrs Address: 203 LEE ST Work Phone:  
 Gender: MALE Address 2: Cell Phone:  
 Date of Birth: 8/25/1986 City: BLOOMSBURG Marital Status: SINGLE  
 Ethnicity: WHITE/CAUCASIAN State: PA Maiden Name:  
 SSN: XXX-KK-9999 Zip: 17815 Religion: None

**Encounters (3)**  Past  Current  Future  Canceled  Apply Changes

Displaying 1-3 of 3 encounters ...

Date	Facility	MRN	Service	Attending	Reason	Documents
9/17/2007	Geisinger	9999001	NEUROLOGY	DOCTOR, GEISINGER	TRANSIENT ALTERATION OF AWARENESS	
9/14/2007	Shamokin	8888001	NOT AUTHORIZED			
8/28/2007	Geisinger	9999001	NEUROLOGY	DOCTOR, GEISINGER	OTHER CONVULSIONS --- ANORMALIES OF CEREBROVASCULAR SYSTEM --- NEUROPATHY IN OTHER DIS	

**Documents (5)**

Displaying 1-5 of 5 documents ...

Date	Facility	MRN	Document Type	Document Name
9/17/2007	Geisinger	9999001	Patient Authorization	GHSUAuth-9999001-20070917
9/14/2007	Shamokin	8888001	NOT AUTHORIZED	
8/28/2007	Geisinger	9999001	Scanned Document	GHSBloodConservation-9999001-20072807
8/20/2007	Shamokin	8888001	NOT AUTHORIZED	
8/17/2007	Bloomsburg	7777001	Patient Authorization	TBHAuth-8888001-20070817

© Copyright 2007, Keystone Health Information Exchange [Questions](#)

## Connecting EHRs

**Valley Medical Center**  
 Welcome Dr. Kemp Stephens

Home | Appointments | Patient | CPOE | Mail | Report | Settings

Register | Encounter | Review | Letters Out | Transcribe | Letters In

**Adrien Mathews** Last Visit: 04-05-2004 Encounter Type: Office Visit ENC Date: 04-12-2004  
 Last FollowUp: Attending Doc: Kemp Stephens Home: (408) 666 8381

**37 Years old Male**

**PMH (Table | Diagrams)**  
 CHEST PAIN NEC 786.59 since 04-12-2004  
 Diabetes since 1990

**Allergy**  
 GADOLINUM CONTRAST (contrast, dyes) 07-07-2004 Annual Physical  
 PENICILLINS headache, sore mouth or thr 07-07-2004 Cholesterol  
 07-07-2004 Clinical Breast Exam  
 07-07-2004 Colonoscopy  
 07-07-2004 Dental Exam  
 07-07-2004 Hearing  
 07-07-2004 Influenza Vaccine

**Health Maintenance**

**Notes**  
 Overall health appears good, regular exercise  
 Pain: Left Back Posterior

**Surgery / Procedures**  
 Exploratory laparotomy for perforated appendix 1999  
 broken hip 1999  
 Wisdom teeth removal

**Family History**  
 Breast cancer - Aunt  
 Diabetes - None in the Family  
 Prostate Cancer - Father

**Current Medication**  
 Arexia IV Solr 30 mg 04-18-2004  
 Bravelle Inj Solr 75 unit 06-04-2004  
 D-Biotin Misc Powd 07-15-2004  
 Tylenol  
 Warfarin Sodium Oral Tab 1 mg 06-14-2004

**Personal Notes**  
 Taking 2 week trip to Europe next month. The patient is married with 1 child and the family seems socially well placed.

**Specialty**  
 Degree MBA + a diploma holder  
 Occupation service in an MHC  
 Married Yes  
 Marital Status Married  
 Children 1  
 Single parent No

**Encounter** Done

## KeyHIE for Patients

**KeyHIE**  
 Welcome TEST PATCH 3RPFT gennet@key.com Preferences

Home | Records | Messages

**Personal Information**

The information below is what is on file for the currently selected patient. Click **Change Personal Information** if you'd like to make updates.  
 Remember, we will respond to your request within 24 hours, except when the office is closed for weekends and holidays.

**Change Personal Information for This Patient**

**Personal Information**

Name: TEST PATCH 3RPFT  
 Date of Birth: 5/31/1979  
 Soc. Sec. No: 88888888  
 Marital Status: S  
 Sex: F  
 Medical Record No:

Mailing Address: 420 S JACKSON ST  
 Address line 2: POTTSVILLE  
 City: PA  
 State: 17501  
 ZIP:  
 E-mail:  
 Telephone:

© 2009 General Electric Company - All Rights Reserved.  
 Contact Us | Privacy Policy | Terms & Conditions

View HIE Documents  
 Record Locator Service  
 Direct Messaging  
 Scan/upload docs

Publish Documents  
 Consume Documents  
 Direct Messaging

View HIE Documents  
 Patient Education  
 Direct Messaging  
 Medication History  
 Scan/upload documents

HIE for patients....

The logo for MyKeyCare features the text "MyKeyCare" in a bold, black, sans-serif font. The word "My" is smaller than "KeyCare". A green, hand-drawn style scribble or underline is positioned behind the letters "y", "K", and "C".

- View selected information from the Keystone Health Information Exchange (KeyHIE®)
- Sign up to receive automatic, annual flu shot reminders
- Exchange secure e-mails with your care team
- Upload paper records (the “3-ring binder”)
- Access reliable online information (MedlinePlus)

# Patient Authorization

- ❑ Opt-in
- ❑ No authorization, no access
- ❑ Authorization for each organization
- ❑ Real-time authorization
- ❑ Patient education
- ❑ Rigorous information security practices

## Universal Authorization for the Release of Medical Information

[Full Organization Name]  
[HIM Dept]  
[Organization Address]

Patient Name: \_\_\_\_\_

MRN: \_\_\_\_\_

Date of Birth: \_\_\_\_\_

[Org Name] understands your medical care may be managed by both [Org Name] and non-[Org Name] healthcare teams. Your doctors believe that having a complete picture of your health status is important to providing quality medical care. This can be especially important in the case of an emergency room visit.

Your [Org Name] healthcare team uses Computer Systems<sup>2</sup> and paper documents to record care provided at a [Org Name] office or hospital. We need your approval to share your [Org Name] medical information with non-[Org Name] healthcare teams involved in your medical care. We ask that you review and sign this authorization.

**Here are the key points we want you to understand:**

- By initialing and signing this authorization, you are giving us permission to release your medical information to non-[Org Name] licensed healthcare teams who are involved in your care.
- This authorization covers the complete release of your medical information, current and future, and includes information on alcoholism, drug abuse, mental health, and HIV/AIDS if any apply to you.
- Protecting your medical information is very important to us. Security measures are in place to protect the privacy and confidentiality of your medical information.
- Non-[Org Name] healthcare teams, who have access to the Computer Systems, will be able to view, print and retain your medical information. Therefore medical information may be further released by your non-[Org Name] healthcare team and may no longer be protected by federal privacy regulations (HIPAA).
- This authorization will be in effect until you revoke or cancel it as described in our Notice of Privacy Practices. To revoke an authorization, please submit a written request at your next doctor's visit or send it to the address at the top of this page. We are not able to take back any uses or disclosures already made with your authorization.
- If you choose to not sign this authorization, treatment or payment services provided to you by [Org Name] will not be affected. Concerns or questions about this authorization? You can call [1-888-555-5555] and ask for [ ] contact[ ].

**I hereby authorize [Org Name] to release my medical information to non-[Org Name] licensed medical providers and their approved staff who are involved in my care for the purpose of my medical evaluation or treatment. This includes my medical information stored in Computer Systems and paper documents.**

Patient <u>Initials</u>	Parent/Guardian <u>Initials</u>	By initialing these 3 items, I acknowledge that information regarding these topics may be released as part of my medical information.
_____	_____	Alcoholism or drug abuse or drug dependency - evaluation, diagnosis and/or treatment
_____	_____	Mental health/rehabilitation or neuro-psychological issues - evaluation, diagnosis and/or treatment
_____	_____	HIV/AIDS - evaluation, diagnosis and/or treatment

Patient, age 14 and older, please date & sign here and initial all 3 items in the box above.

Date: \_\_\_\_\_ Patient Signature: \_\_\_\_\_

If patient is a minor under age 18 (unemancipated) or if patient is unable to give consent, parent or legal guardian must also complete the following and initial all 3 items in the box above.

Date: \_\_\_\_\_ Parent/Legal Guardian Signature: \_\_\_\_\_

Relationship to Patient: \_\_\_\_\_

1. [Org Name] is comprised of [List corporate entities if applicable].  
2. "Computer Systems" include applications used to electronically store clinical patient data (excluding, if applicable).

**\*\*\* A copy of completed authorization form must be given to patient. \*\*\***

White Copy - [Org Name]      Yellow Copy - Patient





# Health Information Exchange



- Connects information silos
- Aggregates information
- Transforms/ standardizes
- Delivers information to point of care

# Contact Information:

Jim Younkin

IT Director, Geisinger

Director, Keystone Health Information Exchange

570-214-9438

[jryounkin@geisinger.edu](mailto:jryounkin@geisinger.edu)

