

# The Value of HIE July 2014

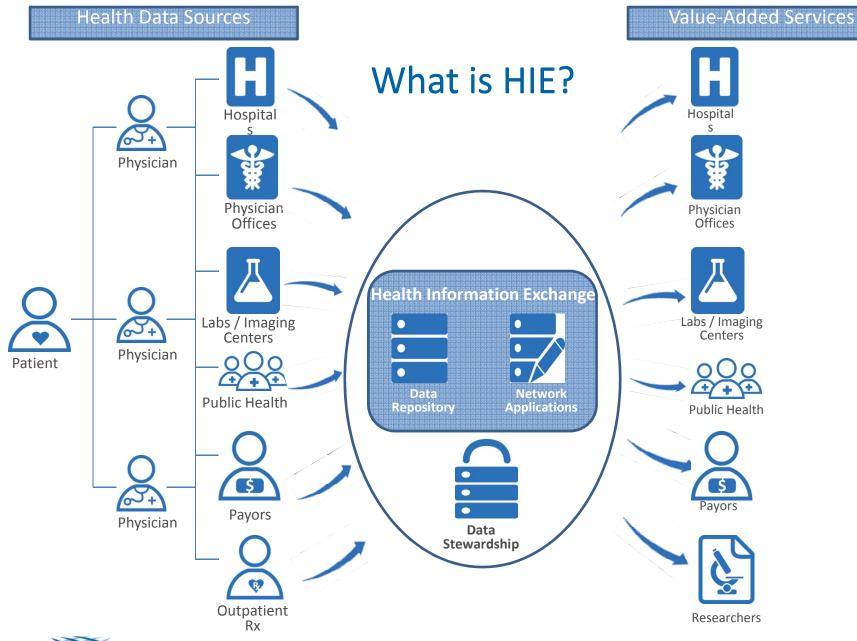
# Agenda

- > Health Information Exchange (HIE) -
  - What it is
  - What it does
- > The Value of HIE Present and Future
- > Q&A

# **IHIE Background**

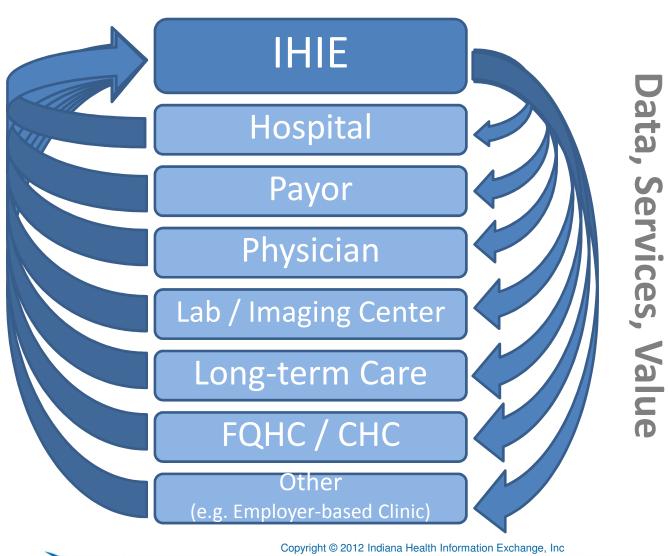
- Nation's largest HIE
  - >100 hospitals (38 health systems)
  - 25,000 clinicians
  - Payors
  - Labs and Imaging Centers
  - Public Health
- Generating about \$10M in nongrant income annually
- Founded in February 2004
- 501c3 not-for-profit organization
- Regenstrief Institute partnership





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### What is HIE?



Clinical Data

### What is HIE

- HIE Definition "The electronic movement of (patient-level) healthrelated information among organizations, according to nationally recognized standards." (HIMSS) ...with the goal of making healthcare safer, less costly, and of higher quality (John)
- Most HIEs are not-for-profit or governmental organizations with a goal to improve the quality, safety, and/or cost efficiency of healthcare

# What is an HIE/HIO

- HIO = noun; HIE = verb
- Three type of HIOs (according to ...Me)

HIO Type	Description / Examples
State-run	Run by the governments of their respective stateslike ILHIE in Illinois, KHIE in Kentucky, and Clinisync in Ohio
Regional / Inter-organizational	Inter-organizational, often not-for-profitlike IHIE, HealthBridge.
<b>Proprietary</b> (Single-organization centric)	What the industry calls "private HIE" (centered on and run by a single organizationlike an IDN)

# A Word on Sustainability

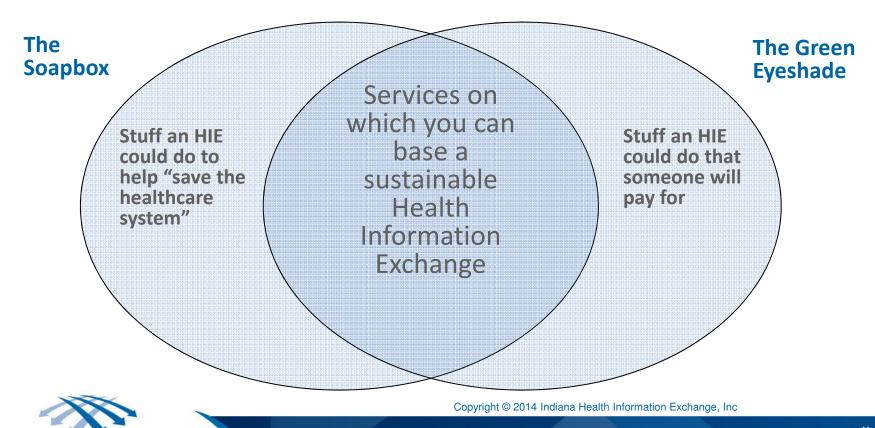
### Sustainability -

"Not going broke while continuing to fulfill your organization's mission"

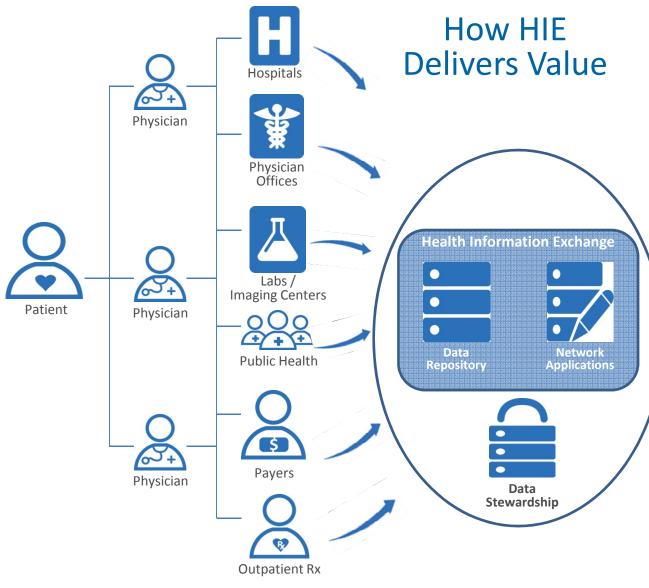
HIO Type	Sustainability Planning
Regional / Inter-organizational	A) Figure out how to generate revenue to (more than) cover costspresumably by delivering value to customers at a price they are willing to pay
Proprietary (Single-organization centric)	B) Not Applicable
State-run	Either A) or B)it depends

# The Soapbox and the Green Eyeshade

There are services that a health information exchange could theoretically provide for which there is no apparent business model. There are also services that have business models that are outside the mission of a typical not-for-profit HIE.



## Health Data Sources



Value-Added Services

#### Clinical Data Repository (INPC™)

- MPI & Record Locator Service
- Longitudinal Patient View

#### Clinical Results Delivery (D4D®)

- Web-based portal or EMR delivery
- No Cost to Physicians

#### **ACO & Analytic Services**

- Clinical Event Notifications (ADT Alerts)
- Population Health Management
- Predictive Analytics

# Public Health Integration and Automation

- Bio-surveillance
- Communicable Disease Reporting
- Immunizations

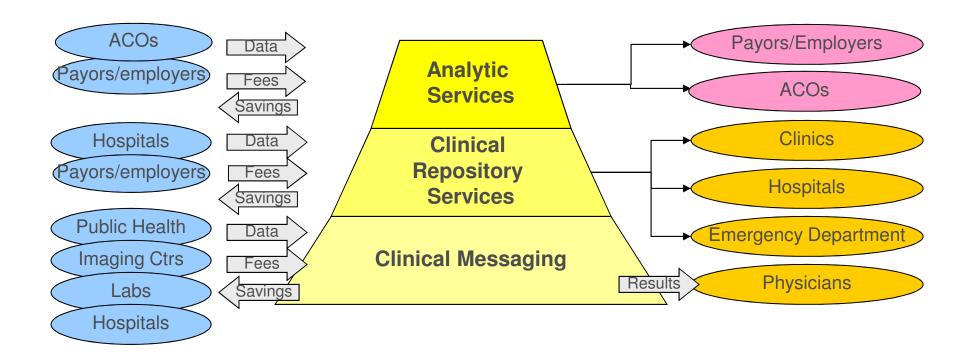
#### **Federal Government Services**

- SSA Disability Determination
- VA's VLER Program

### Meaningful Use Supporting Services

- Transitions of Care
- Public Health Integration

### How HIE Delivers Value



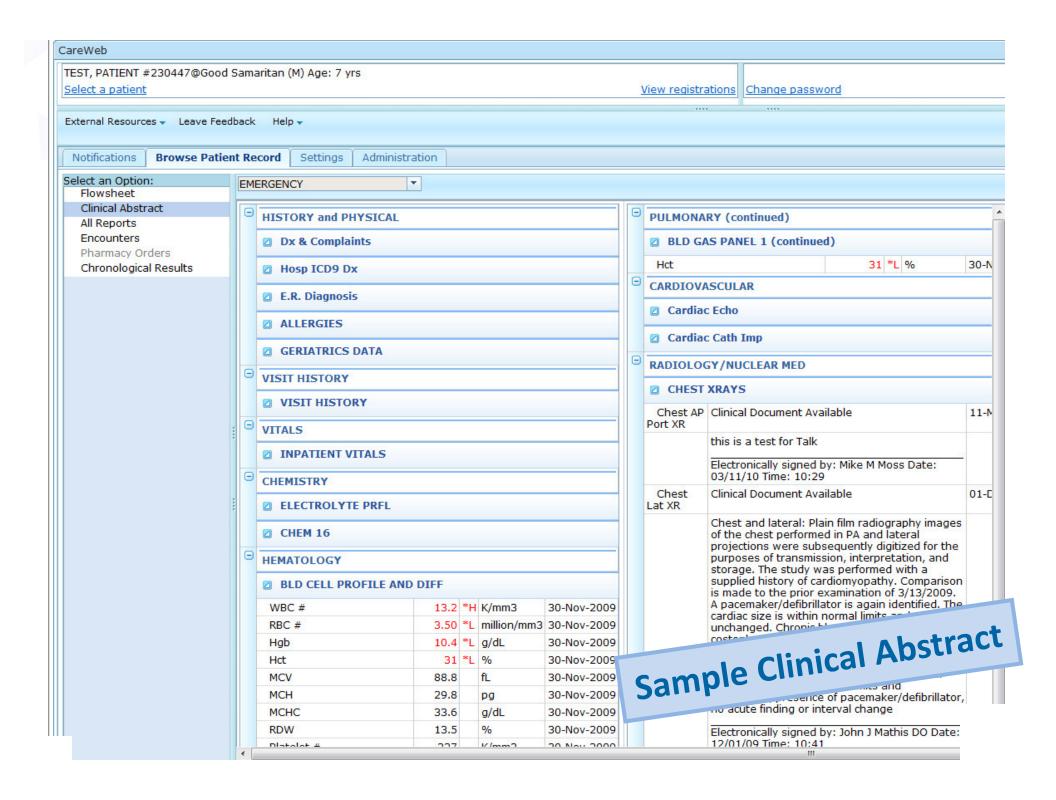
Building or "layering" services on top of each other squeezes more value from existing investments.





#### The Indiana Network for Patient Care® is:

- A patient-centric community health record for a growing number of Indiana citizens (the "jig-saw puzzle assembler")
- Includes provider, payer, and public health data
- Growing to serve the population of Indiana
- Real time interfaces from providers lab, radiology, transcription, ADT, CCDs
- Utilized in emergency departments, inpatient and outpatient settings





#### The DOCS4DOCS® Service is:

An electronic results delivery service

More than 25,000 physicians in 17 states are set up to receive patient results via DOCS4DOCS at no cost to the physicians

 A single source for information such as lab results, radiology reports, transcriptions, pathology and hospital admissions reports, discharge and transfer reports from all participating Indiana hospitals, physician practices, labs and radiology centers.

Results can be viewed through a web-based portal or delivered directly into an electronic medical record system.

"While many major metropolitan areas have similar systems, (IHIE's) was one of the first and is viewed by many as one of the best..."

— Indianapolis Star, June 2007



### **IHIE's ACO & Analytic Services**

- ADT Alerts for Hospital Admits or ED Visits (ACOs, Medicaid Payer)...accompanied by...
  - INPC Access for Care Managers
  - Delivery of 12 selected clinical data elements
- Predictive Analytics for Various Use Cases
- Population Management Analytics
- Impact Analysis for Chronic Disease Management

# Public Health Integration & Automation

### **Public Health Emergency Surveillance System (PHESS)**

- Statewide infrastructure to analyze "primary complaint" data from Indiana emergency departments for the early detection of:
  - Acts of bioterrorism
  - Other public health emergencies
- 120 Indiana EDs connected

### **Communicable Disease Reporting**

- Notifiable Conditions Detector (NCD)
- ONC-certified technology for electronic lab reporting

#### **Immunizations**

Children and Hoosier Immunization Registry Program (CHIRP)

"If I was having a huge...outbreak, I could know it early instead of waiting for two weeks or a month."

Dr. Virginia Caine, Marion County Health
 Department director





### **Federal Government Services**

- Automated SSA disability determination via electronic request and record retrieval of INPC data through the eHealth Exchange
  - IHIE fulfills about 100 SSA applicant requests per day; previously, manual record gathering took 4 months to 3 years



- Share veterans clinical data via the eHealth Exchange as part of the VLER program
  - IHIE supplies about 90% of the clinical data that the VA receives from eHealth Exchange trading partners; IHIE data has been accessed in all 50 states





# Indiana Health Information Exchange

Thank You 317.644.1750 www.ihie.org

