

Traveling the HIE Highway: Can We Get There from Here?

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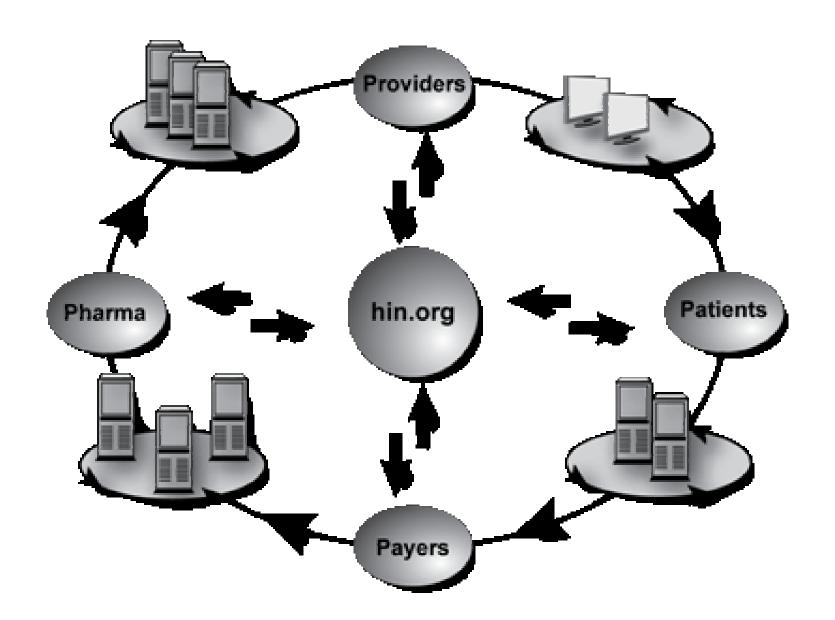


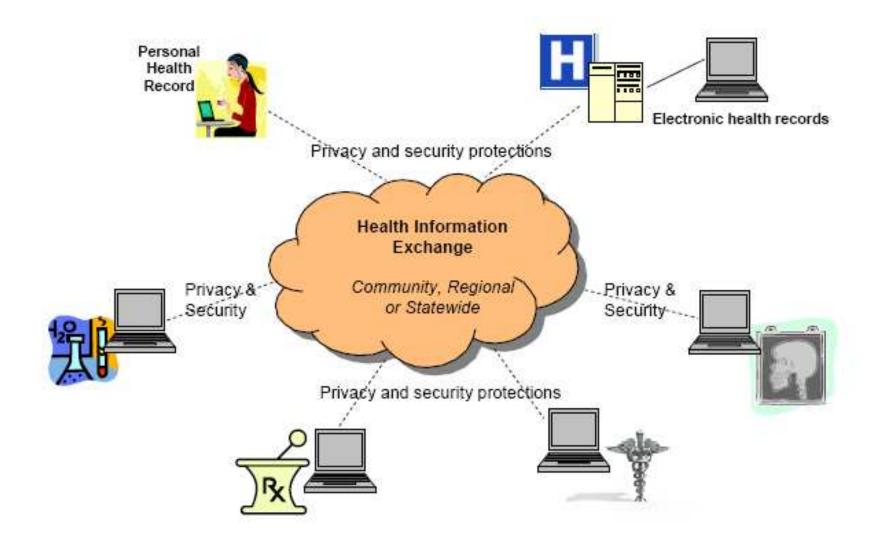
Health Information Exchange

What is an HIE?

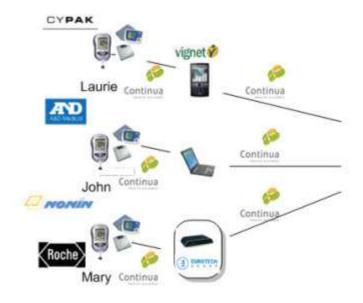
Do we have real consensus on how to answer this question?







Patients



Devices Gateways

Easy to use devices for chronic disease management and fitness

 glucometer,weight, blood pressure, pulse oximeter

Patient preferences realized with variety of platforms & technologies

- smartphone, netbook, appliance

Telehealth Services



Applications



IBM WebSphere Sensor Events and Cognos

- Aggregate data from large number of devices
- · Perform event processing
- Map into Provider application
- Health information Exchange
- Portals
- Analytics
- Patient Centered Medical Home

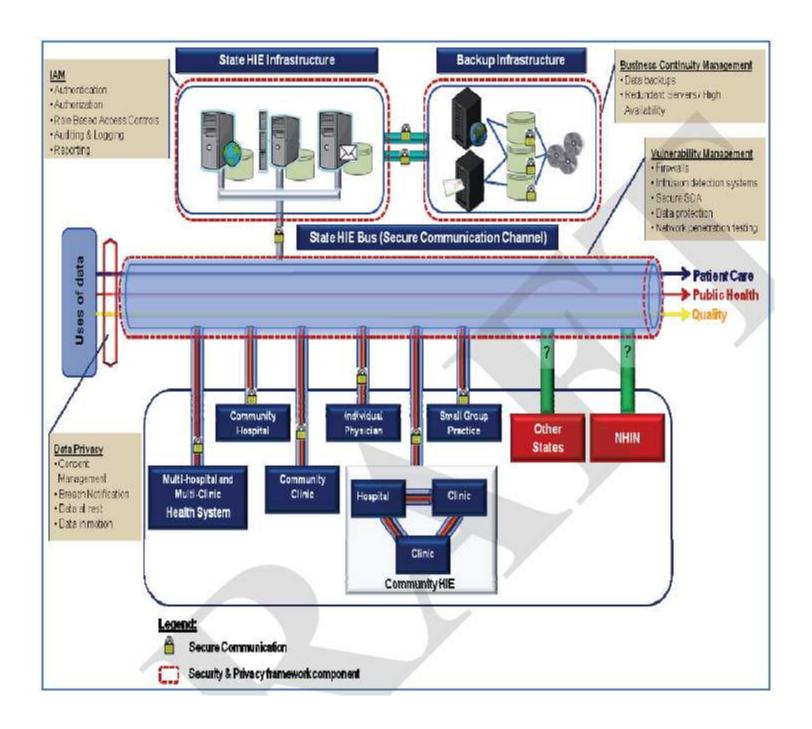
Information Moves to Support the Workflow

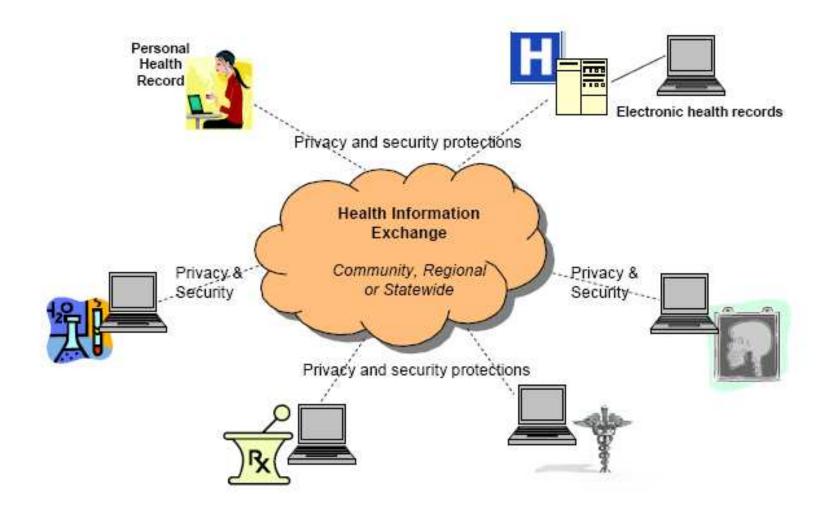
- Primary Care, Specialty, Hospital
- EMR

Google

- Care Management
- Disease Management
- PHR
- Portals

Open Standards for flexibility, interoperability, choice



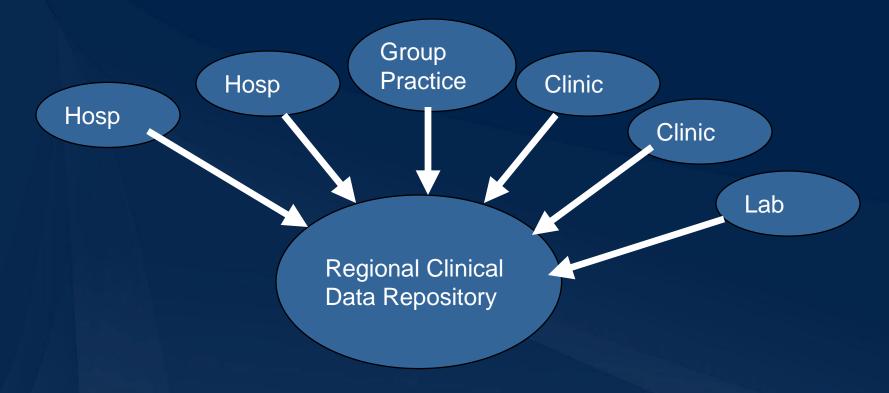


Suddenly, Everything's RHIO

- Connecting Communities Colorado eHealth Initiative
- CalRHIO (CA)
- Delaware Health Information Network
- Florida Health Information Infrastructure
- Hawaii Quality Healthcare Alliance
- HealthBridge (Cincinnati, OH)
- Indiana Health Information Exchange
- Maine Health Information Network Technology
- Maryland/DC Collaborative for Healthcare IT
- Massachusetts eHealth Collaborative
- Mesa County Health Information Network (CO)
- Michiana Health Information Network (IN)

- Michigan Health Information Infrastructure
- Puget Sound Data Exchange (WA)
- Rhode Island Quality Institute (RI)
- SAFE Health (Worcester, MA)
- Santa Barbara County Care Data Exchange (CA)
- Taconic Health Information Network and Community (NY)
- The North Carolina Emergency Department Database
- The Wisconsin Health Information Exchange Project
- Tri-Cities Care Data Exchange Project (TN)
- Volunteer eHealth Initiative (TN)
- Whatcom Health Information Network (WA)
- Utah Health Information Network

Big clinical databases didn't work





GLOBAL INFORMATION for QUALITY CARE

U.S. Regional Health Information Organizations: Progress and Challenges

Julia Adler-Milstein, David W. Bates and Ashish K. Jha

Health Affairs, March/April 2009



HL7 Is Not the Answer

At least, not the only answer...



Objectives

- Community Hospitals improve care levels through the adoption of next generation interoperability solutions – achieve what the large groups have failed to do.
- UMASS Lowell Leadership position in community HIT
- OMG Prove that OMG's Model Driven Message Interoperability (MDMI) Standard, and Service Oriented Architecture (SOA), constitute the best approach for Healthcare information exchange.
- FireStar Software FireStar has a software platform that supports the OMG MDMI Standard. We need a proof point in healthcare for this claim.





The Patient Identification Question

It can not be ignored....



Insufficient Time for "Top Down" Development

"Grass Roots" Demonstration Projects Could Be Helpful



How Important? Why the urgency?

