

A close-up photograph of a dental professional, a woman with dark hair, wearing a white lab coat. She is focused on her work, using a silver and black ultrasonic scaler on a patient's teeth. The patient's face is partially visible in the foreground, looking towards the right. The background is softly blurred, showing the interior of a dental office.

What is a House Without Its Foundation

The Role of
Interoperability in EHRs

A few questions...

Would you frame a house without first laying the foundation?

Is EHR only as good as the ability to deliver data to it?

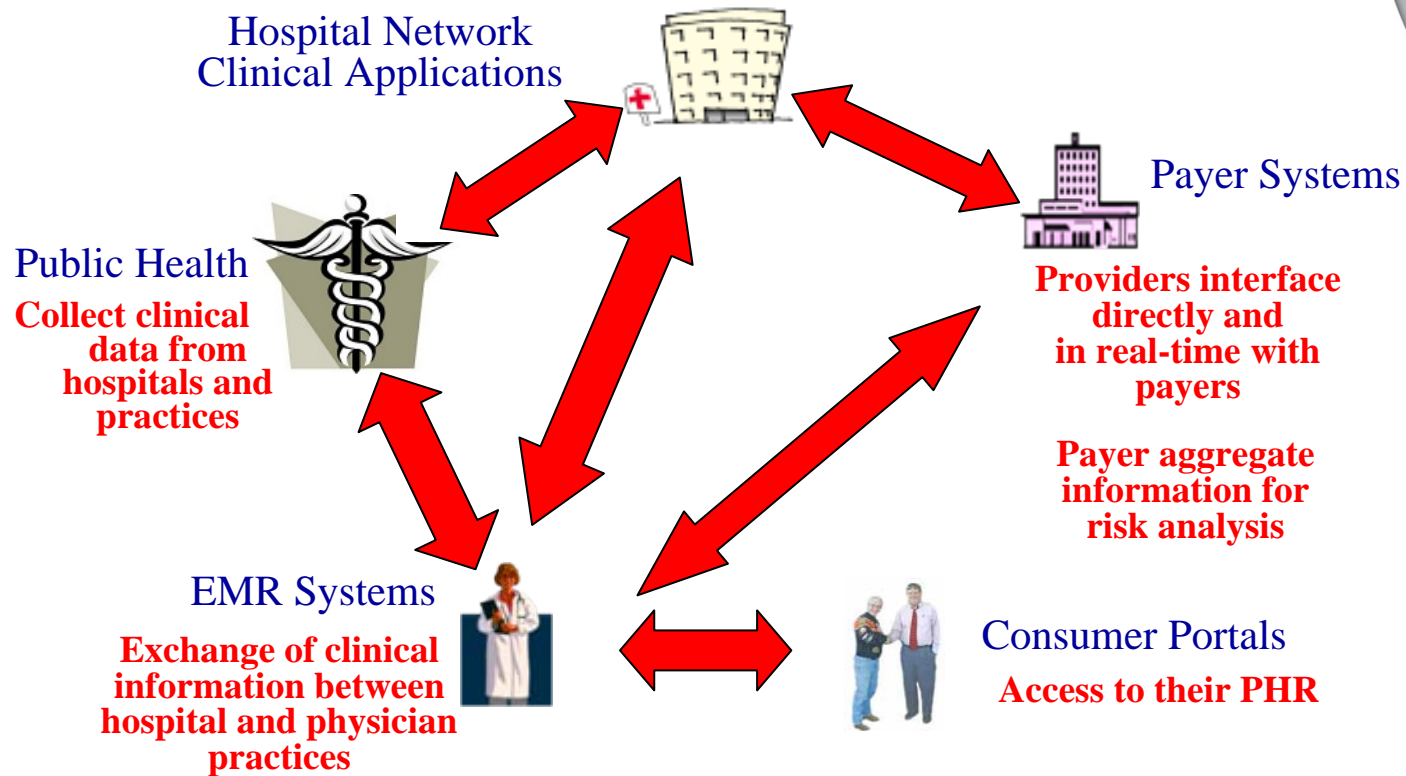
What are health systems doing to bridge the silos of data to build the EHR and at what cost?

Is there a new way to do Health Exchanges and RHIOs that don't collapse under its own political and financial weight?

Do you have fundamental integration and interoperability in place to help propel delivery of provider, payer and patient services?



Putting Data in Patient's and Provider's Hands



Islands in the Stream



A true EHR is a virtual impossibility as long as these rich healthcare data sources remain disparate islands in the stream.

Foundation for Interoperability

- The use of the Internet as the Integrating Medium
- Scalability and Affordability
- True Sharing of Risk with Vendors
- Integration and Interoperability at the Health System
- Buy In from Medical as well as IT Leadership
- Practical, Bottoms-up Alternatives to Regional HIE

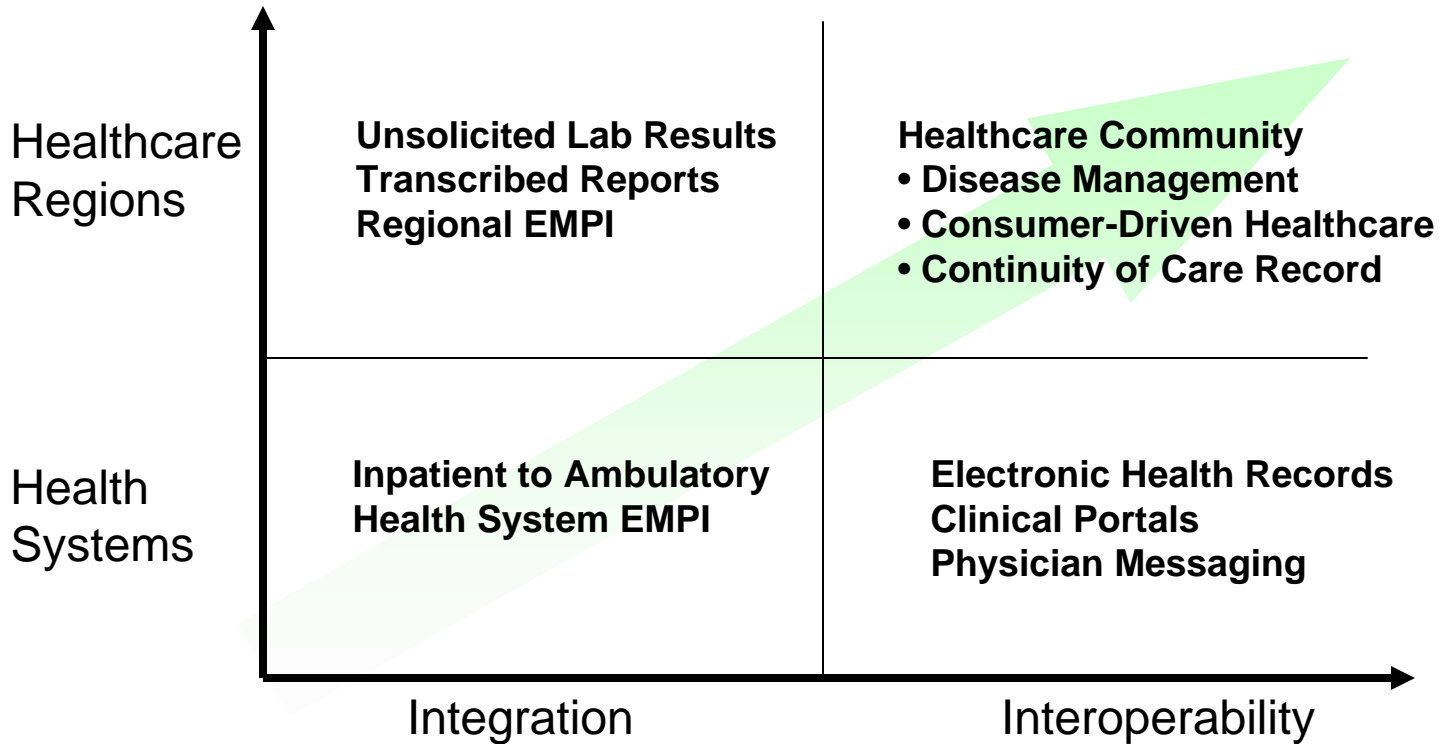


Interoperability Advantages

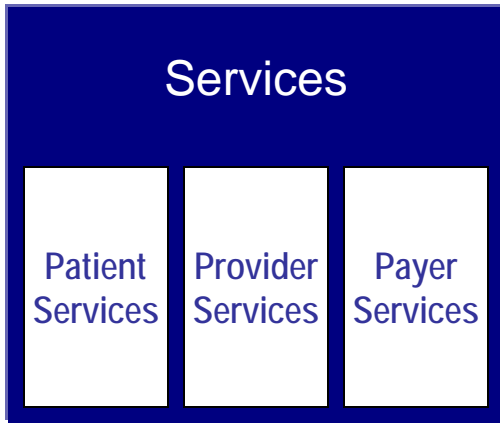


- Internet:
 - Scalable, Affordable, EMPI, PIX, Physician and Consumer Services
- SaaS, Vendor Risk Sharing:
 - Minimal Up Front Costs, 24x7 Monitoring, Expert Implementation
- Integration and Interoperability:
 - Maintain Fundamental Business Processes, Utilize Non-Proprietary Services
- Medical and IT Leadership Buy In
 - Extend HIE base, Expand Services

Bottoms-up HIE, RHIO



Community Health and RyTRAK HIE



- Clinical Orders/Results Viewer
- Document Manager
- Clinical Messaging
- Patient/Consumer Portal
- Continuity of Care Record/EHR
- Payer Verification/Adjudication



- Deliver lab, radiology and clinical information to EMRs
- Bi-directional orders and results
- PIX, EMPI to leverage entities' own MRNs
- PDQ Reconcilers to ensure process flows
- Compendium managers to correlate clinical codes



RyTRAK Agent that allows any entity to easily participate into the HIE (connectivity, remote printing, scanning, etc.)



About Accenx Technologies



- 10 Years of healthcare integration experience
- Served the HIE needs of health Systems, public health entities and managed care organizations
- Certified as IHE Compliant for IT Infrastructures Profile as a PIX Manager, ATNA Secure Node/Application and Time Client
- Core knowledge with healthcare applications & intimate knowledge of healthcare processes
- Over 140 healthcare customers – Partners Healthcare, Long Island Jewish Health, Baystate Health, Berkshire Medical Center, Cleveland Clinic, Children’s Hospital Boston, NYU Health, UPENN Health, John Muir Health, Elliot Hospital, Catholic Medical Center, Capital Regions
- Best in KLAS for 2005, 2006, mid-year 2007

Baystate Health, Inc.



- Located in Springfield, Massachusetts
- Largest Tertiary Teaching Hospital in Western Massachusetts - Level One Trauma Center
- Consistently in the top 100 hospitals in the United States
- Top 100 Most Highly Integrated Healthcare Networks" in the U.S. by Verispan for its ninth consecutive year
- Baystate Medical Center's safety practices rank in top 50 in USA by Leapfrog group
- Magnet hospital for Nursing Excellence, one of five in Massachusetts, one in 170 in nation
- Western Campus for Tufts University
- One of the busiest Emergency Departments east of the Mississippi River (~400 patients/day)
- Beacon Award for Critical Care Excellence for third year in a row - First in nation to do this
- Top 100 Cardiovascular Hospitals two years in a row

Baystate Physician Alignment



- Objective defined:
 - Eliminate paper/faxing of Baystate Reference Lab (BRL) results to physician offices with EMR's in place
 - Order entry in Physician office EMR to avoid interpretation errors of written orders from offices to BRL
 - Provide Electronic Orders to physician offices EMR to provide system interpretation and trending in EMR
 - Provide mechanism to interface other ancillary results (radiology, discharge summaries, etc...)
- Several Vendors reviewed
 - Accenx Technologies, Inc. selected
- Chose Accenx for the following:
 - Provides Secure Connections using SSL and Encryption
 - Proven reliability for delivering software
 - Pull technology
 - No Internet exposure risk for the Physician's Office
 - Monitoring Capability
 - Guaranteed delivery of messages
 - Proven Track Record with Baystate Health

Baystate Physician Alignment



- Identify/Define technology to use
 - Enterprise Master Patient Index to support external/internal searches
- Define what preferred data to interface between Baystate Health and Physician Office EMR
 - Electronic results to MD Offices with EMR
 - Order entry in Physician EMR to BRL
 - Patient Demographic Data
 - Patient problem lists to/from Hospital EMR & Physician EMR
 - Patient Allergies to/from Hospital EMR & Physician EMR
 - Patient Medications to/from Hospital EMR & Physician EMR
- Currently at 11 live sites encompassing 140 physicians
- 2 sites currently under development with active dates in the next couple of months to bring physician total to 150+.
- Have ear-marked 12 additional sites for a total of 250+.
- Needed more efficient method to implement sites and support current active sites
- Accenx announced SAAS (ASP) mode - This model to be adopted by Baystate Health

Thank you!

Dean Burton, CTO
Accenx Technologies, Inc.
425.837.9700
Dean.Burton@Accenx.com
HIMSS Booth # 7363

Wayne LaBranche, Enterprise Architect
Baystate Health, Inc.
413.794.4739
Wayne.Labranche@bhs.org

