

**LONG BEACH NETWORK FOR HEALTH**

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# **California State Senate HIT Committee**

Overview of Organization, ED Pilot Project and Business Development

27-Feb-2009



# Topics

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**Overview of Long Beach Network for Health**

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# **Overview of Long Beach Network for Health**

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# LBNH Mission

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**“LBNH is a coalition of healthcare providers and stakeholders committed to improving the quality of care available in Long Beach through the development of an information rich and fully interoperable healthcare system.”**

*Being closer to the community they serve.*

# LBNH: A Public-Private Collaboration

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- City of Long Beach
  - Department of Health and Human Services
  - Board of Health and Human Services
- COPE Health Solutions
- HealthCare Partners Medical Group
- Institute of Community Pharmacy
- L.A. Care Health Plan
- Los Angeles County Department of Health Services
- Los Angeles County Medical Association
- MemorialCare Health System
  - Long Beach Memorial MC
  - Miller Children's Hospital
- Memorial HealthCare IPA
- Molina Healthcare
- SCAN Health Plan
- Talbert Medical Group
- The Children's Clinic: Serving Children and Their Families

CA Nonprofit corporation *pending 501(c)(3) status* with a community-based Board of Directors and Leadership Committees

# Long Beach Community



**LBNH Participation:**  
 City of Long Beach Dept of Health and Human Services  
 COPE Health Solutions  
 Health Care Partners Medical Group  
 Institute of Community Pharmacy  
 Memorial HealthCare IPA  
 Memorial Health System  
 Long Beach Memorial Medical Center  
 Miller Children's Hospital  
 Molina Healthcare  
 LA County Medical Association  
 LA County Dept of Health Services  
 Harbor- UCLA Medical Center  
 SCAN Health Plan  
 St. Mary Medical Center Medical Staff  
 Talbert Medical Group  
 The Children's Clinic FQHC

\* Sources: U.S. Census Bureau, 2000 Census and State of California Employment Development Dept  
 \*\* Calculation using California's per capita health care spending times 6 Long Beach's population

# Community Goals Supported by LBNH

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## Improve Health Care Quality

- Provide the right information to the right provider about the right patient at the right time

## Enhance Chronic Disease Management

- Support management of individuals with chronic conditions who receive care in multiple care settings

## Advance Public Health Reporting

- Facilitate real-time detection of communicable disease outbreaks
- Report disease outbreaks electronically
- Registry population

Goal: In 5 years, exchanging ambulatory, urgent care, and inpatient data for at least 50% patients

# Approach – Access Once – Use Many

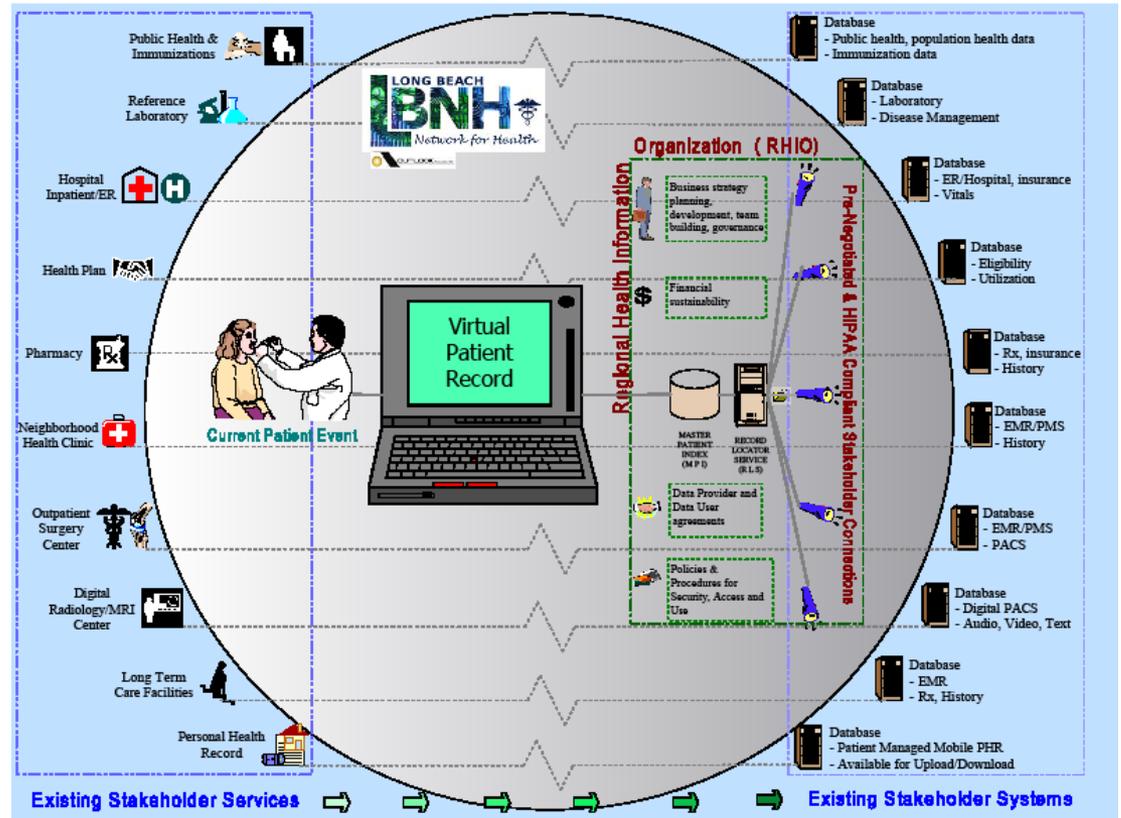
- Create an expandable infrastructure that provides real-time delivery / access of health data once for many purposes.

- From:

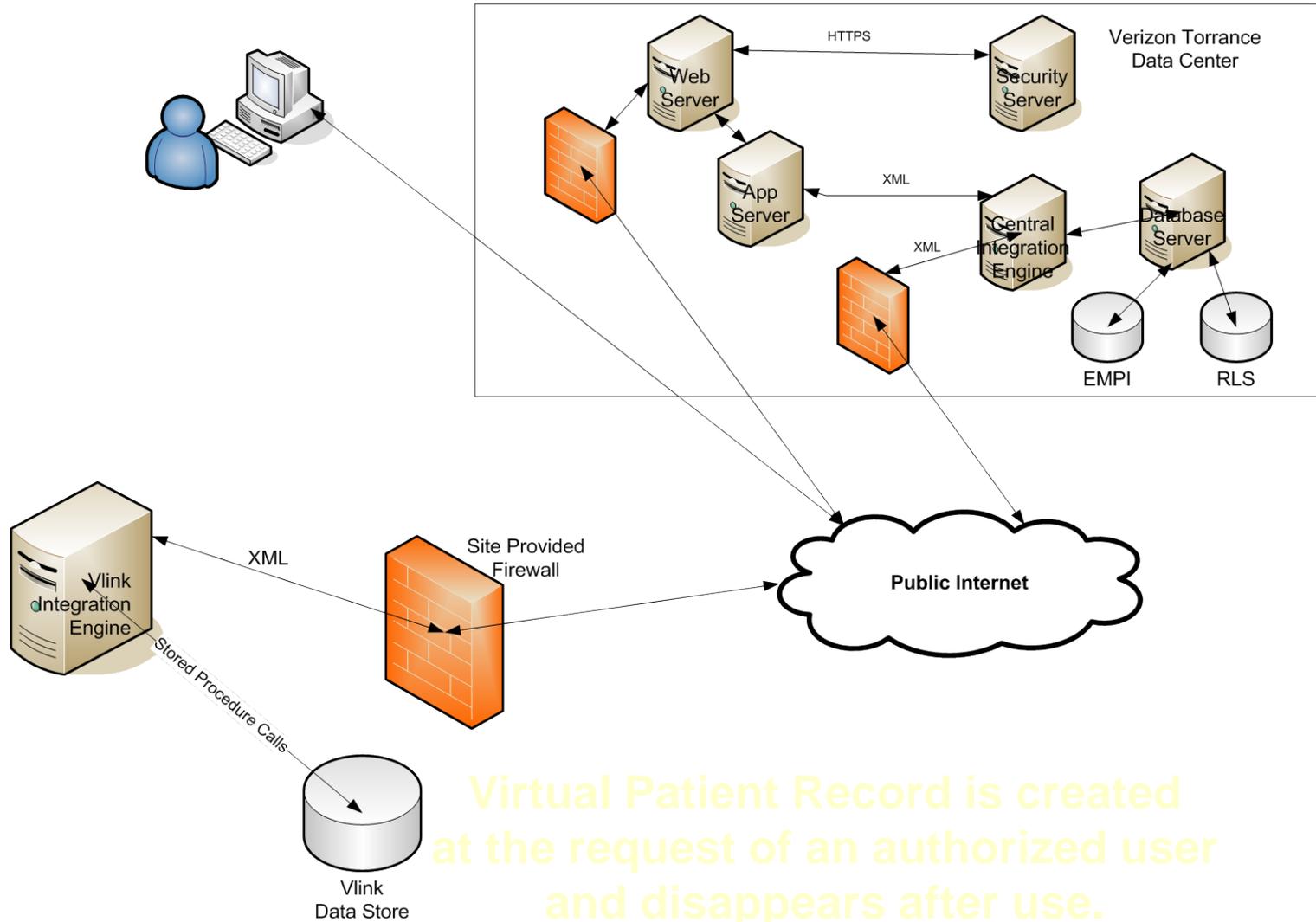
- Pharmacies
- Health systems
- Laboratories
- Ambulatory care
- Other RHIOs and HIEs

- Negotiated Access By:

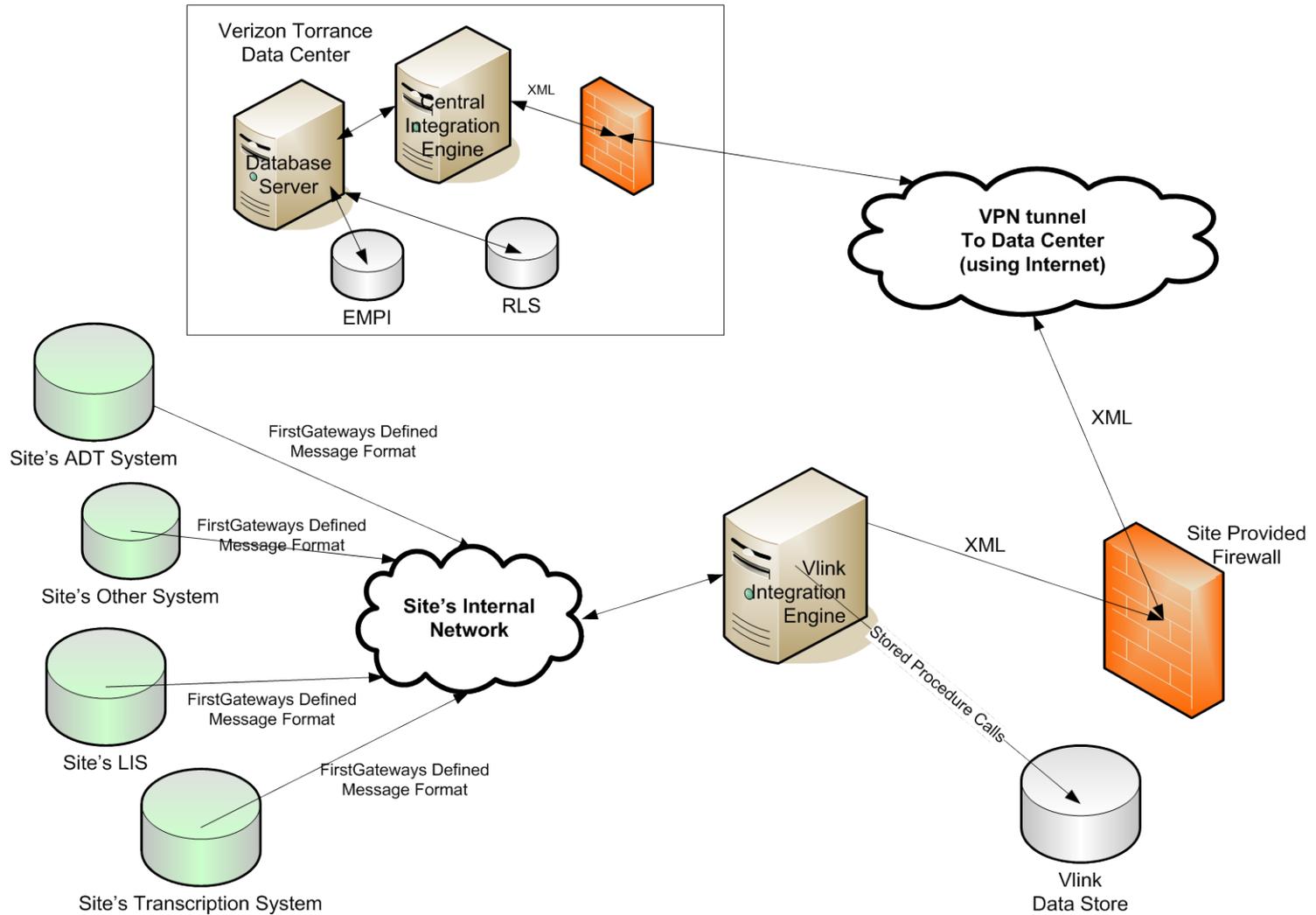
- Healthcare Providers
- Public Health
- Other RHIOs and HIEs



# Approach – How it Works – Clinical Data Viewer



# Approach – How it Works – Federated Model



# Guiding Principles

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## ➤ Governance

- Inclusive community-wide approach
- Open and transparent collaborative process
- Shared planning and responsibilities
- Inclusion of those with less resources
- Document and share metrics and outcomes for the betterment of LBNH and similar initiatives

## ➤ Privacy

- Insure individual's privacy

## ➤ Security

- Ensure the security of information

## ➤ Financial

- Self-sustaining economic model
- Measurable costs and benefits
- Investments should reflect benefit flow

## ➤ Technology

- Ensure interoperability
- Align with the NHIN strategy
- Keep it simple
- Use what is currently available
- Incremental implementation with early victories
- Enable measurable results

# Accomplishments

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- **Nationwide Health Information Network (NHIN)**
  - ✓ 1 of 9 selected for NHIN participation
  - ✓ \$3.6M (NHIN) Trial Implementation Contract
  - ✓ Developed, Tested and Implemented National HIE technology standards
  - ✓ Funded California HIE infrastructure
  - ✓ All deliverables were on time and 10% under budget
  - ✓ Demonstrated data sharing capability with providers in California and intra-state

# Accomplishments

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- Robust Privacy and Security Policies
  - Passed rigorous review from data providers
  - Developed and executed National Data Use and Reciprocity Agreements
  - Past development meets privacy and security requirements of the HITECH Act 2009
  
- Signed California BAAs and currently collecting data from:
  - MemorialCare Hospital System
  - Talbert Medical Group
  - Memorial HealthCare IPA
  - WellPoint

# Accomplishments

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- Convened “competitors” for community benefit with public-private partnership governance structure
- Developed sustainable Business Model through transparent and inclusive Stakeholder workshop
- Built trust in the community and Greater Los Angeles- Orange County to support Health Information Exchange activity
- Developed national and statewide partnerships to support the goals of the Office of the National Coordinator
- Successfully conducted National Health Information Network Pilot for California

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# **ED Linkage Project**

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## Challenge: Limited Data in ED

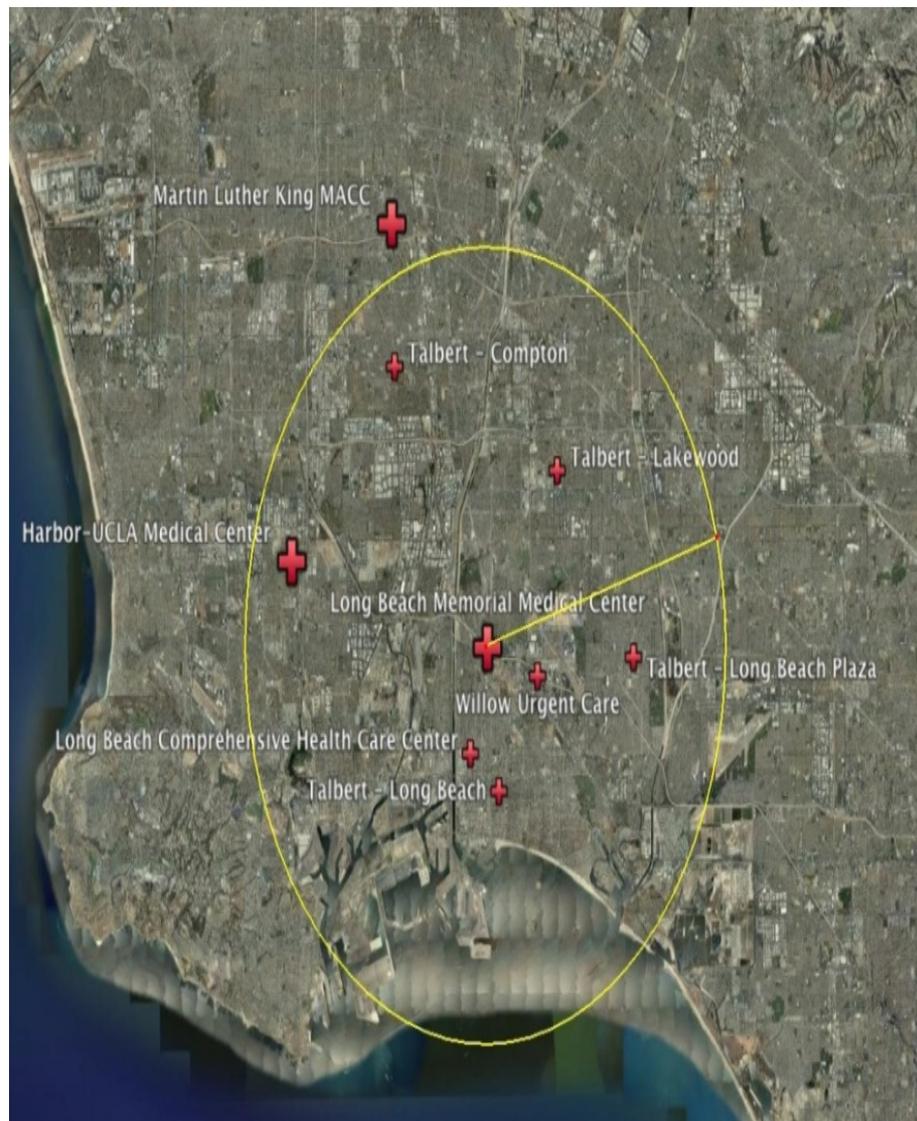
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- Patients often utilize the services of multiple hospital Emergency Departments (EDs) in the same geographical region in search of treatment
- ED physicians often must treat patients without the benefit of prior information regarding previous visits by the patient at other surrounding EDs
- The information patients give to physicians is often incomplete or inaccurate and can not serve as a foundation for understanding the status of the patients health
- Without a complete set of information on the patient, physicians must '*start over*' with the patient and re-do exams, tests, etc.
- Initiating diagnostic tests or drug regimens without information on past treatment can increase the risk of error or duplication
- Lack of information contributes to increased ED wait times
- ED's lack sophisticated biosurveillance reporting systems

# Project Objective: Share Available Data

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- Establish a means for hospitals in Southern California to share information about patients that utilize the services of multiple EDs
- Provide ED physicians immediate information on patients to expedite and improve their clinical decisions
- Reduce the system inefficiencies and risks to the patient caused by the lack of information
- Provide robust reporting systems for biosurveillance and public health
- Facilitate the quality of care among health settings



# Currently Available Data

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- **Current Data Sources**

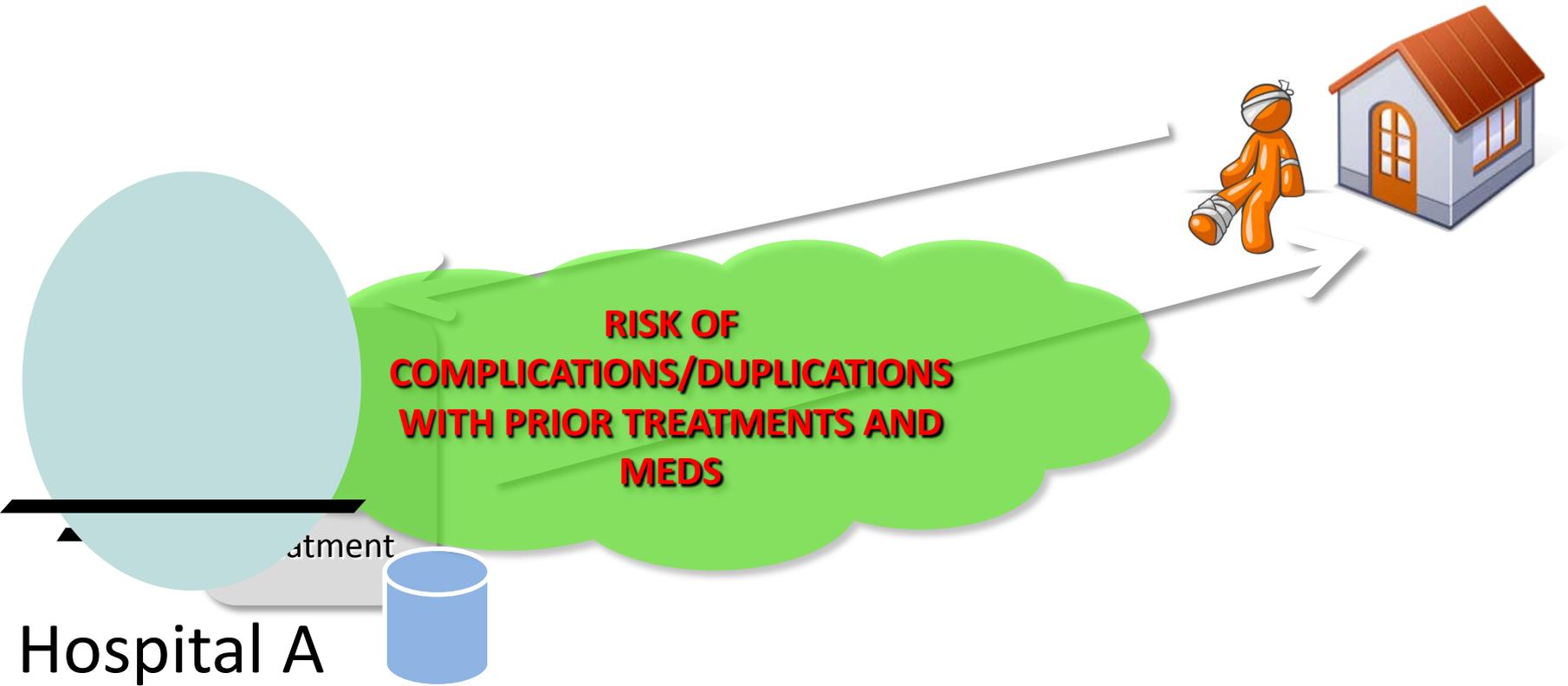
- Long Beach Memorial Medical Center
- Miller Children's Hosp.
- Memorial HealthCare IPA
- Talbert Medical Group

- **Planned Data Sources**

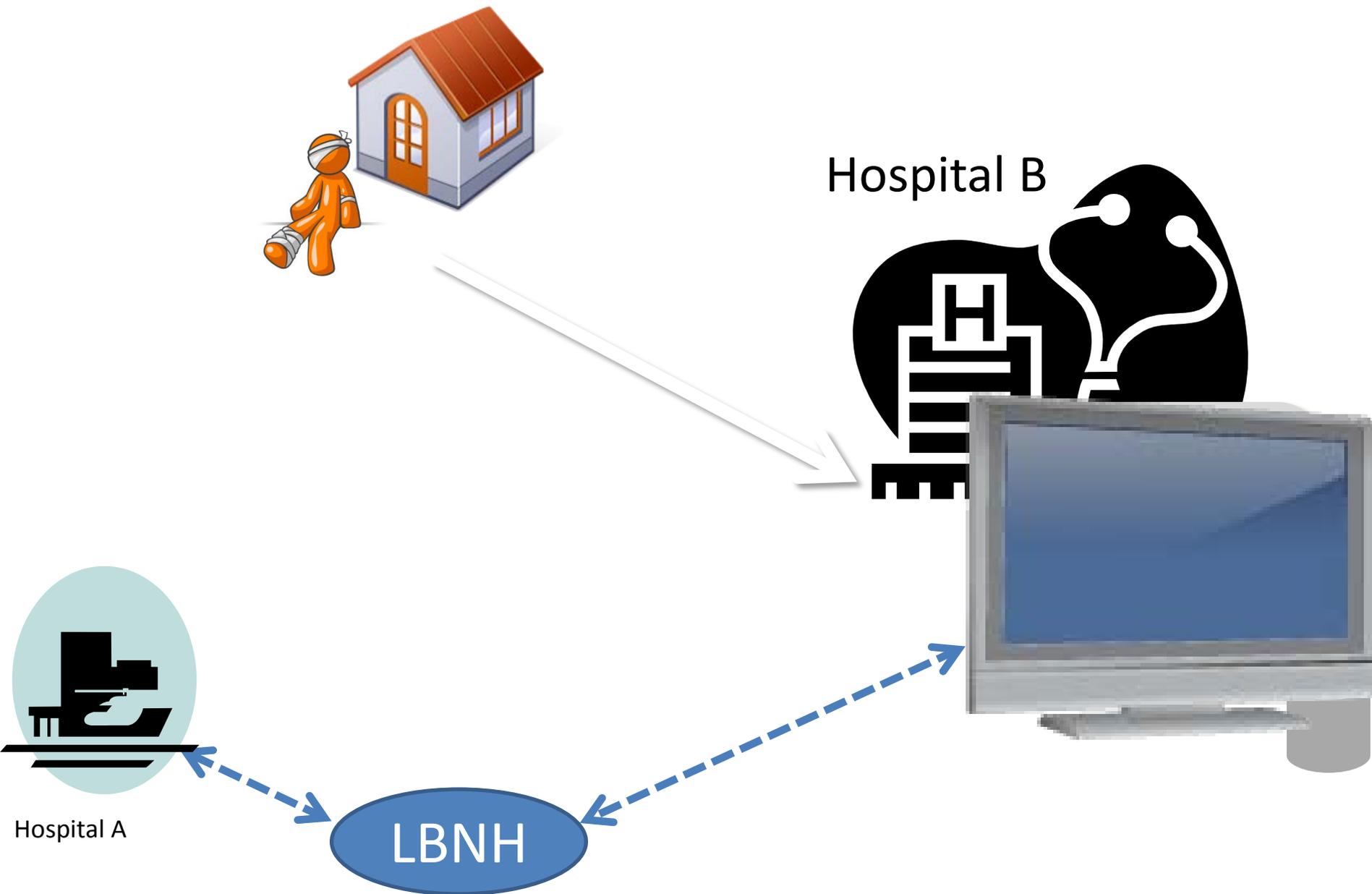
- LA County Harbor-UCLA MC
- Scan Healthplan
- Molina Medical Group
- Quest Labs
- Healthcare Partners
- LA Care Healthplan

# Example: The Need for Data in ED

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# Example: Hospital A Shares with Hospital B



# Benefits for Patients and Stakeholders

Stakeholder	Benefits
<b>Patients</b>	<ul style="list-style-type: none"> <li>• Improves patient safety (e.g., avoid drug to drug interaction)</li> <li>• Expedites care processes to improve quality</li> <li>• Facilitates continuity of care</li> </ul>
<b>Physicians</b>	<ul style="list-style-type: none"> <li>• Assists in improved clinical decision-making by providing data from EDs in surrounding geography</li> <li>• Allows physician to “compare” information from early treatment at ED at other surrounding hospital – two data points on health - key to the decision making</li> <li>• Reduces time required to get basic health status of patient</li> </ul>
<b>Hospitals</b>	<ul style="list-style-type: none"> <li>• Reduces liability/risk associated with ED physicians taking action without basic health information</li> <li>• Reduces cost of care</li> </ul>
<b>Health Plans</b>	<ul style="list-style-type: none"> <li>• Prevents some unnecessary duplicate tests and studies</li> <li>• May reduce overall cost of care for patient across multiple care settings/locations</li> </ul>
<b>Community</b>	<ul style="list-style-type: none"> <li>• Facilitates Disease Management of chronically ill patients that migrate across community and draw upon limited resources</li> <li>• Improves biosurveillance reporting and capabilities</li> </ul>

# Future Applications

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- Data hub for medical home project
- Real-time disease surveillance support
- Numerous applications to allow clinicians to share data
- Health Information Exchange with other RHIOs

# We Welcome Your Participation

	Data Source	LBNH Supporter	Pilot Participation
<b>Hospital/ Physicians</b>	<ul style="list-style-type: none"> <li>Provide data to LBNH to create a rich repository of data for the EDs</li> </ul>	<ul style="list-style-type: none"> <li>Provide feedback regarding needs and required services</li> <li>Actively collaborate to create a solution that meets your needs</li> </ul>	<ul style="list-style-type: none"> <li>Participate in pilot using LBNH HIE tools</li> <li>Provide feedback on requirements, benefits, data needs, etc.</li> <li>Participate in measuring:                             <ul style="list-style-type: none"> <li>Quality improvement</li> <li>Outcomes improvement</li> <li>Cost reductions</li> </ul> </li> </ul>
<b>Physician Groups</b>		<ul style="list-style-type: none"> <li>Actively collaborate to create a solution that meets your needs</li> </ul>	
<b>Health Plan</b>	<ul style="list-style-type: none"> <li>Provide data to LBNH to create a rich repository of data for the EDs</li> </ul>	<ul style="list-style-type: none"> <li>Fund LBNH as an initiative to reduce inefficiencies in health care delivery</li> </ul>	<ul style="list-style-type: none"> <li>Participate in measuring:                             <ul style="list-style-type: none"> <li>Quality improvement</li> <li>Outcomes improvement</li> <li>Cost reductions</li> </ul> </li> </ul>

# Growing the Network: Pilot to Implementation

- Implement an ED Pilot in Long Beach and/or Greater Los Angeles
- Add data sources for ED viewing
  - Healthcare payers have talked about “Pay for Use” viewing of patient data
- Provide “virtual” Integrated Delivery Networks
  - Allow hospitals and clinics/physicians to be more closely associated via a branded portal
- Provide HIE Services to other RHIOs
  - Policy and governance provided by RHIO
  - Technology provided by LBNH
  - Contract based, service-level agreements