

Developing A Statewide Health Information Exchange In Maine- A Case Study

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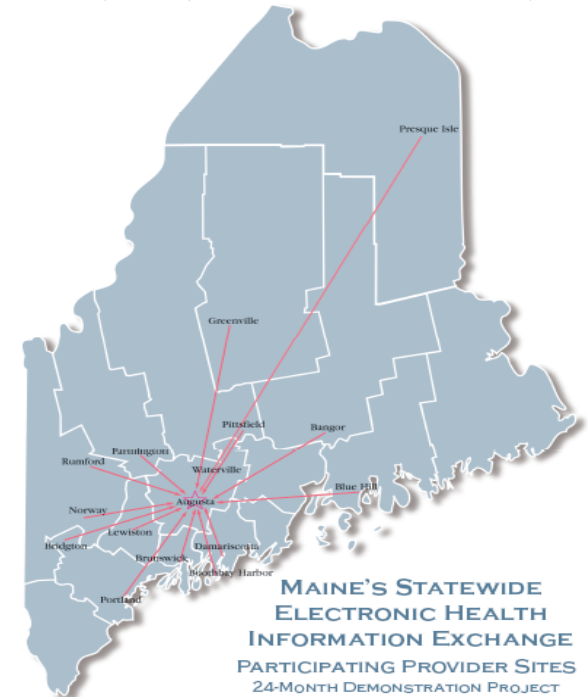
An Opening Thought About Health Information Exchange

Electronic health information exchange is, by its very nature, a **disruptive phenomenon** that demands technical, political, and cultural changes to be addressed in a coordinated manner if it is to succeed.

Brief Overview of Maine

- Population 1.3 Million
- Half The Land Mass of New England
- Rural
- Limited Information Technology Infrastructure
- “Oldest” State in the Nation
- High Incidences of Chronic Disease

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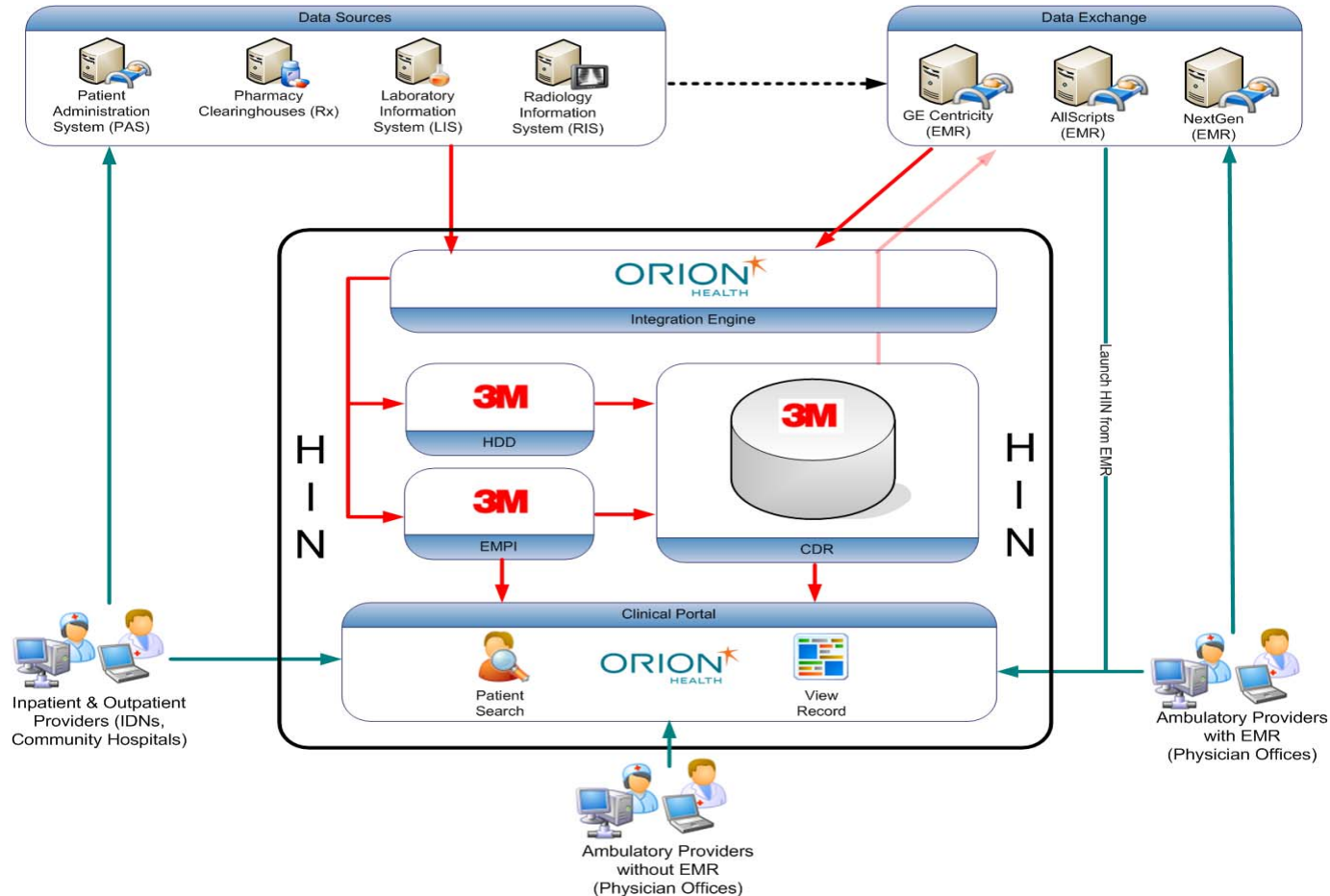
History of Developing A Statewide Health Information Exchange in Maine

- 2004- Feasibility Study
- 2005- Initial Technical Planning and Consumer Engagement
- 2006- Incorporated as Maine Not-For-Profit, Initial Board of Directors Seated
- 2008- 24 Month Demonstration Phase Initiated
- 2009- First Clinical Use

The Foundational Requirements for Building a Statewide Health Information Exchange


- Stakeholder Engagement
- Governance
- Defining A Shared Vision
- Collaboration
- Defining and Realizing “Value”
- Technical Design

The Maine Demonstration Phase Exchange Technical Model



The Maine Demonstration Phase Clinical Content Portfolio

- Patient Identifier and Demographics
- Encounter History
- Diagnosis/Conditions/Problems
- Laboratory Results
- Radiology Reports
- Prescription Medication History
- Adverse Reactions/Allergies
- Dictated/Transcribed Documents



Participation Scope and Focus For Maine Statewide HIE Demonstration Phase

- Impact of 6 Provider Organizations Participating
 - 52% of Maine's annual inpatient discharges
 - 50% of Maine's annual Emergency Department visits
 - 42% of Maine's annual ambulatory visits
- Engagement with Maine Center for Disease Control and Prevention (Maine CDC)
 - Automated laboratory reporting to support mandated disease reporting
 - Reporting targeted for 30 of 72 mandated diseases

Maine's 24 Month Demonstration Phase Goals

- Test implementation methodologies and demonstrate technical feasibility of delivering a statewide health information exchange.
- Validate the usability and integration of a statewide health information exchange in to the clinical workflow of providers.
- Demonstrate initial impact of a statewide health information exchange on health delivery cost, patient safety and quality.
- Verify core points of value by target customer segments to support the development of a sustainable business strategy for a statewide health information exchange.

Current Primary Functions of Maine's Statewide Health Exchange

- Person-Centric Clinical Content
Aggregation Across Points of Care
Delivery
- Data Standardization
- Workflow Integration
- Workflow Optimization

Current Exchange Volume & Activity Statistics as of 11-30-09

- Total Lives In Master Person Index- **615,595**
- Total Out of State Lives in MPI- **22,817**
- Total Individuals Opted Out- **2,195 (<0.4%)**
- Total Individuals With Registration Events in Two or More Participating Organizations- **72,632 (11.8%)**
- Current Number of Registered Users- **689**

Deciding Factors Behind Selecting Orion Health As A Technical Partner

- International Experience and Exposure to A Wide Variety of Requirements for Privacy and Security Management
- Very Solid Interface Engine With Strong Adoption Across State Public Health Organizations In U.S.
- Demonstrated Capability for Supporting Interoperability Across EMRs (Parameter-Based Launch)
- Consumer Friendly Functionality Including On-Demand Audit and Consumer Portal (PHR)