


Connected Care: Ubiquitous Interoperability


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Who is Providence?

- The Providence System:
 - From Kodiak, AK to San Diego, more than 100 years of care
- The Oregon Region:
 - 7 hospitals, dozens of clinics, a full health plan
 - more than 100 different clinical applications from nearly 100 vendors, deployed starting more than 20 years ago
- The Problem:
 - Making it all work together

"As people of Providence, we will provide a connected experience of care based on a foundation of clinical excellence."



What is Connect?

- A strategic vision
 - As people of Providence, we will provide a *connected experience* of care built on a foundation of *clinical excellence*.
 - "Know me, care for me, ease my way"
- Behavior change based on data
- A compelling need for our health system

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Use Case: Collaborative Charting

- Profiles in the Mix:
 - XDS, HITSP TP13 (Document storage/retrieval)
 - XDS-MS, HITSP C32 (Medical Summary)
 - ATNA, HITSP T17 (Secure node)
 - ATNA, HITSP T15 (Audit logging)
 - CT, HITSP T16 (Consistent Time)
 - PIX, HITSP TP22 (Patient lookup by ID)
 - PDQ, HITSP T23 (Patient lookup by demographics)
 - IHE Lab profiles (Orders and Results)

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Collaborative Charting

- “Many EMR Systems, One Chart”
 - Key clinical data
 - Problems, Medications, Allergies
 - Immunizations, Advance Directives
 - Additional Chart Elements
 - Structured data, open standards
 - Data conversion to open standards (RxNorm, SNOMED)
 - Clinically focused user interface
 - No additional workflow
 - No required direct visibility into the HIE

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User Interface: “The Rules”

- “Invisible user interface”
 - Immediate access to new data, immediate publication of updates, actionable data, smart reconciliation
 - No direct clinician-HIE interaction
- “No stupid questions.”
- “No jargon. No alphabet soup.”
- “Don’t make it harder than it has to be.”
- “Think Quicken, not SAP.”

Timelines

- Discussions and preparation: Summer, 2008
- Prototype development: 9/2/08 through 11/28/08
 - Twelve weeks from a standing start
 - Agile development across three vendors
 - Functional medication integration
- Production and feature expansion
 - Early code expected summer 2009
 - Production release begins late fall
 - Full deployment throughout region in 2010
 - Additional regions, affiliates, and extensions beginning late 2009

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The Connected Experience of Care
