

INTRODUCTION

OUR TEAM

OUR APPROACH

USE CASES

Consumer Empowerment

Electronic Health Record

Biosurveillance

HEALTHCARE MARKETS

OUR PATIENTS



T.J.



Dan



Nonni

SPECIAL FEATURES

STRENGTHS OF OUR
APPROACH

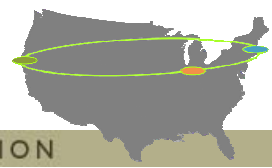
DISCUSSION

TECHNICAL
ARCHITECTURE

CSC and the Connecting for Health Team

NATIONWIDE HEALTH INFORMATION NETWORK PROTOTYPE DEMONSTRATION





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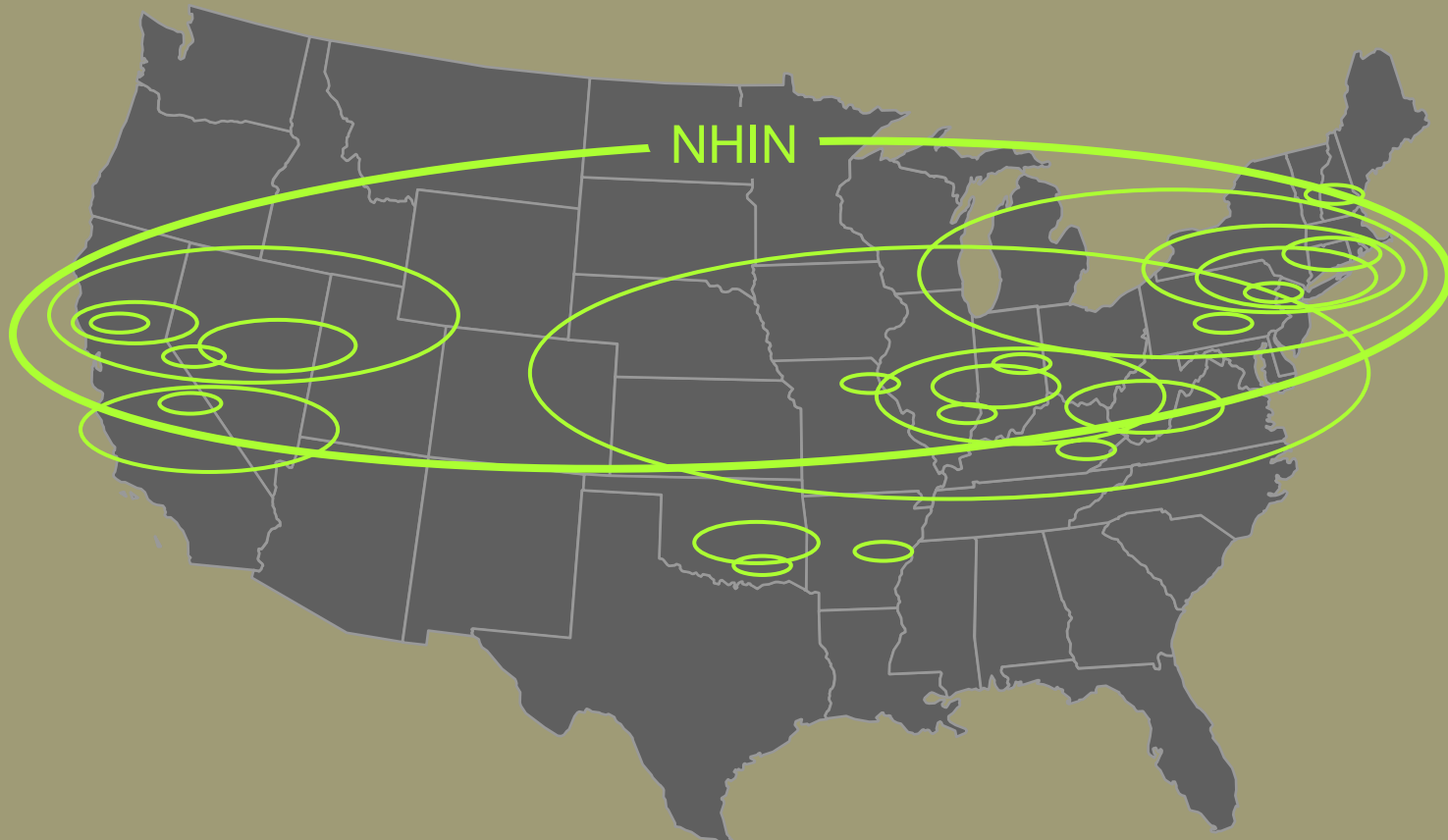
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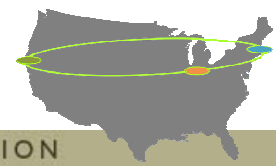
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The CSC Connecting for Health Nationwide Health Information Network (NHIN)





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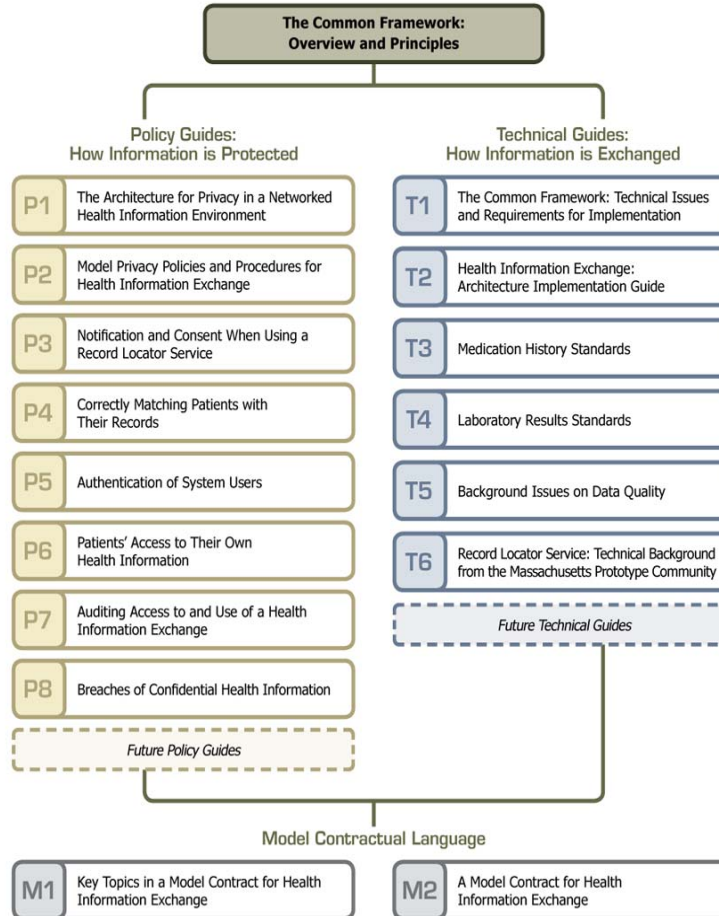
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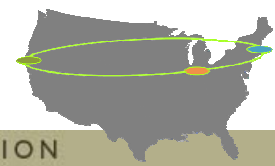
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The Connecting for Health Common Framework Policies and Standards





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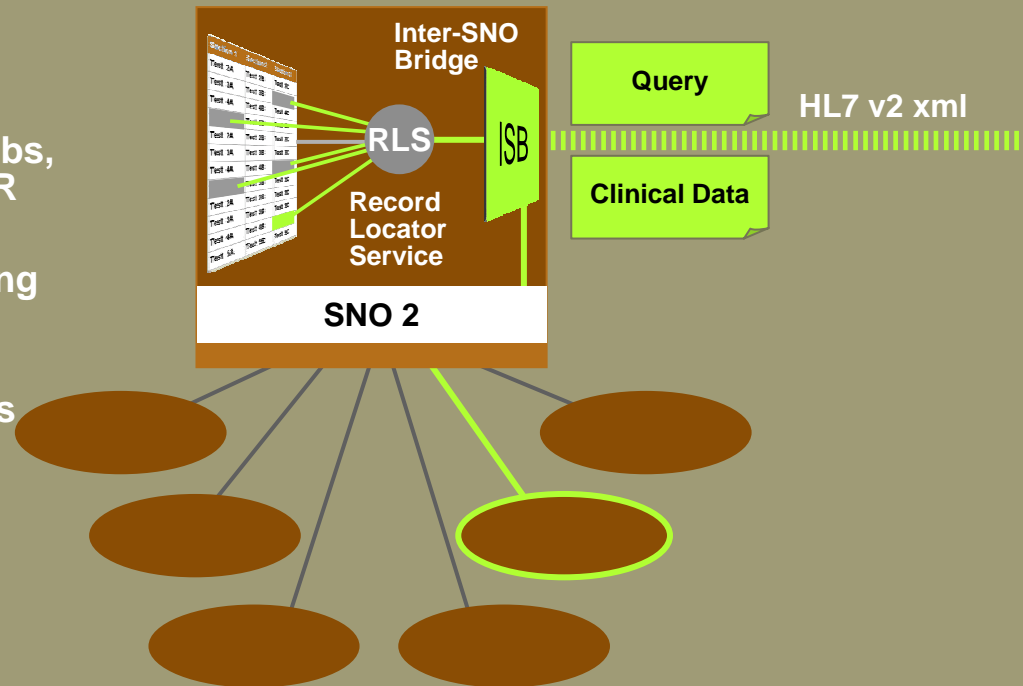
A Thin NHIN — Technical Services Requirements

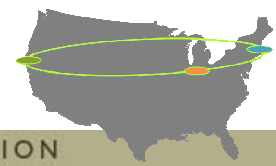
Record Locator Service (RLS)

- Authorized lookup of patient data locations
- Index to data locations; NO clinical data

Inter-SNO Bridge (ISB)

- Implementation of the NHIN interface
- Connects diverse data sources, networks, and data types (including labs, medication history, PHR data, immunizations)
- Avoids replacing existing “edge” systems
- Formats the data into standard HL7 messages
- Transmits data securely





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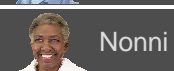
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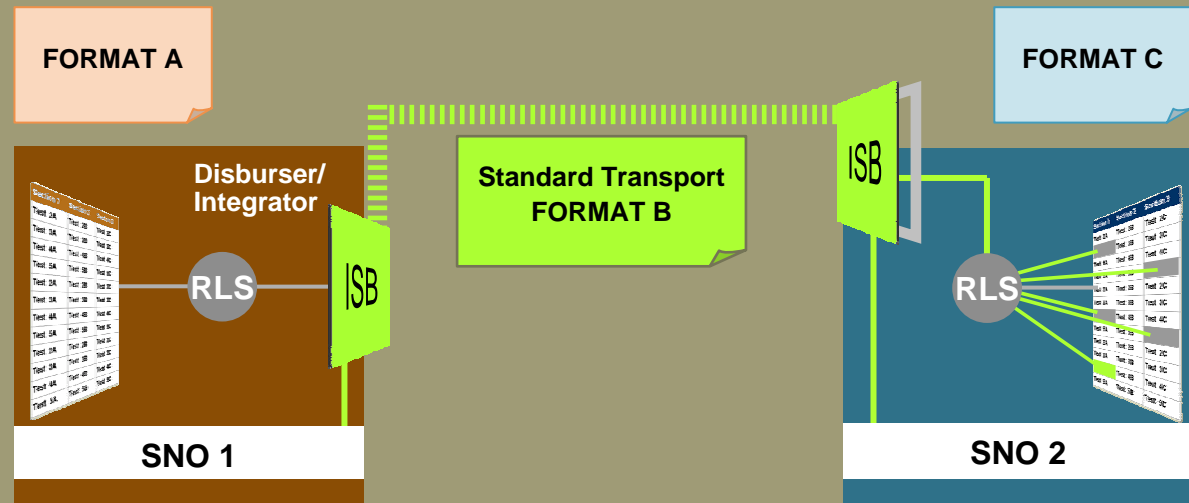
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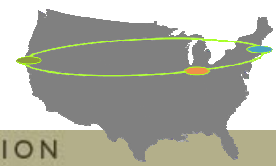
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TECHNICAL ARCHITECTURE

Inter-SNO Communication Using the Common Framework

- A SNO queries other SNOs when it knows:
 - An institution where the patient received care
 - A region where the patient received care
- Queries are sent to the local RLS and ISB
- Local ISB converts query to common standard and sends to remote ISBs
 - Same query format for all remote SNOs, needing only location of other ISBs
- Remote ISB looks up patient data locations in remote RLS
- Remote ISB retrieves data, converts to common standard, and transmits to requesting ISB if appropriate authorizations are in place





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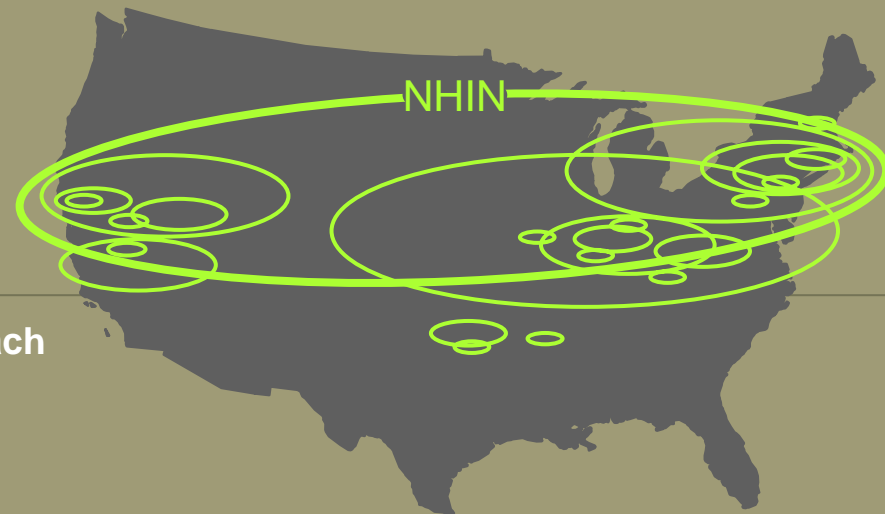
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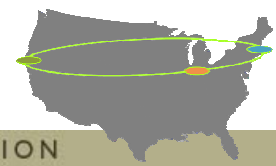
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TECHNICAL ARCHITECTURE

Benefits of Our Approach

- Recognizes and handles diversity in subnetwork organizations
- Low barrier, very easy to enter
 - Low initial costs
 - Easy to ramp up later
- Like the Internet, requires no “top-level” operator or control
- Implements a common set of privacy policies across the network
 - Built on lines of actual human trust
 - No Nationwide query
 - Queries are targeted and authorized among trusted parties (no “fishing”)
- Practical, operational approach
 - Standards are already in widespread use





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Health Market Partners



Healthcare Partners

Mendocino, CA

- Mendocino Community Hospital
- Anderson Valley Health Center
- Redwood Coast Medical Services
- Mendocino Family Care
- Andy Coren, MD
- Mendocino County Department of Public Health

Indianapolis, IN

- Wishard Hospital
- Indiana University Medical Group (IUMG) Primary Care
- IUMG Specialty Care
- Indiana Department of Health (ESSENCE)
- Mid America Clinical Lab

Boston, MA

- Boston Medical Center
- Whittier Street Health Center
- South Boston CHC
- Beth Israel Deaconess Medical Center (BIDMC)
- Children's Hospital Boston (CHB)
- Massachusetts Department of Public Health (AEGIS)
- IndivoHealth

Technology and Industry Partners

- | | | | |
|---|---|---|---|
| <ul style="list-style-type: none"> • Browsersoft • Business Networks International • Center for Information Technology Leadership (CITL) | <ul style="list-style-type: none"> • Children's Hospital Informatics Program (CHIP) <ul style="list-style-type: none"> – Automated Epidemiologic Geotemporal Integrated Surveillance System (AEGIS) – Shared Pathology Informatics Network (SPIN) | <ul style="list-style-type: none"> • DB Consulting Group • eHealth Initiative (eHI) • Electronic Health Record Vendors Association (EHRVA) • I2i Systems, Inc. • GE Healthcare | <ul style="list-style-type: none"> • Initiate Systems • Microsoft • OpenHRE • Regenstrief Institute • SiloSmashers • Sun Microsystems |
|---|---|---|---|