An Overview of Contracts to Develop a Nationwide Health Information Network – The CSC Connecting for Health Prototype

The HIT Symposium at the Massachusetts Institute of Technology
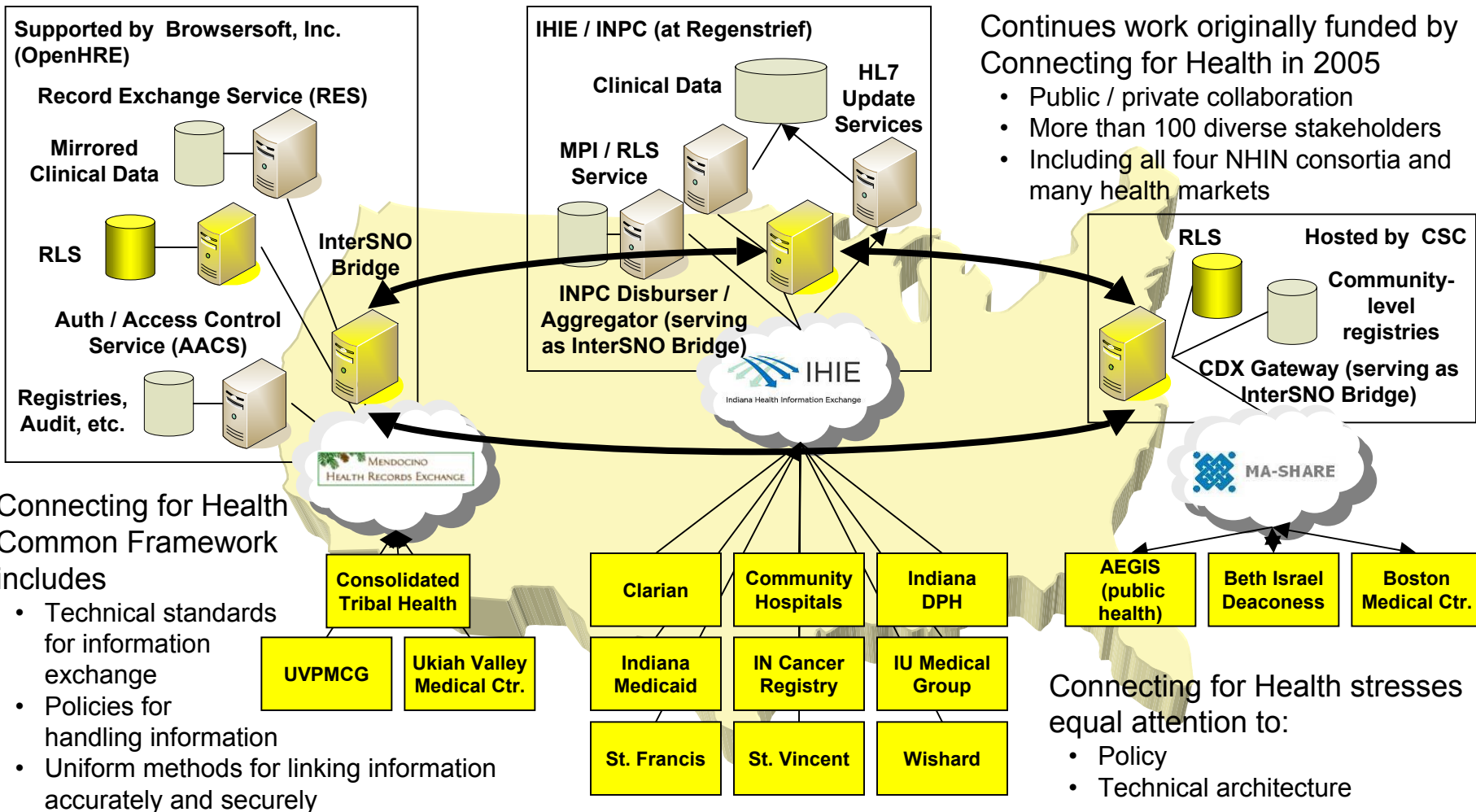*Cambridge, MA*
July 18, 2006

This presentation discusses a NHIN Architecture Prototype project made possible by a contract from the Office of the National Coordinator for Health Information Technology (ONC), DHHS. The content is solely the responsibility of the authors and does not necessarily represent the official view of ONC.

CSC

EXPERIENCE. RESULTS.

CSC Connecting for Health NHIN prototype – connecting broadly while imposing minimal barriers

Supported by Browsersoft, Inc. (OpenHRE)

Record Exchange Service (RES)

Mirrored Clinical Data

RLS

InterSNO Bridge

Auth / Access Control Service (AACS)

Registries, Audit, etc.

IHIE / INPC (at Regenstrief)

Clinical Data

HL7 Update Services

MPI / RLS Service

INPC Disburser / Aggregator (serving as InterSNO Bridge)

IHIE
Indiana Health Information Exchange

MENDOCINO
HEALTH RECORDS EXCHANGE

Continues work originally funded by Connecting for Health in 2005
- Public / private collaboration
- More than 100 diverse stakeholders
- Including all four NHIN consortia and many health markets

RLS   **Hosted by CSC**

Community-level registries

CDX Gateway (serving as InterSNO Bridge)

MA-SHARE

Connecting for Health Common Framework includes

- Technical standards for information exchange
- Policies for handling information
- Uniform methods for linking information accurately and securely

Consolidated Tribal Health

UVPMCG

Ukiah Valley Medical Ctr.

Clarian

Community Hospitals

Indiana DPH

Indiana Medicaid

IN Cancer Registry

IU Medical Group

St. Francis

St. Vincent

Wishard

AEGIS (public health)

Beth Israel Deaconess

Boston Medical Ctr.

Connecting for Health stresses equal attention to:

- Policy
- Technical architecture

■ = New "NHIN" functionality

http://www.connectingforhealth.org/commonframework/index.html

Mid-point project summary, as of July 2006

- Have submitted interdependent deliverables, as have the other four NHIN contractors:
  - Work Plan
    - Independent of other contracts
  - Use Case Detail
    - Dependent on use cases from AHIC; contractors made independent recommendations
  - Standards Recommendations
    - Independent recommendations, providing input for HITSP
  - Functional Requirements
    - Based on harmonized use case detail from all contractors
    - Topic of recent NHIN Stakeholder Forum June 28-29
    - Input for NCVHS "harmonization"
  - Integration/Implementation Profiles
    - Input for HITSP

- Deliverables and processes are being created, defined, completed, coordinated and harmonized "just in time"
  - Parallel efforts are necessary to make rapid progress
  - Processes introduced "in flight" have led to changes in project approach (e.g., AHIC)
- These are prototypes, <u>not necessarily</u> early-stage NHINs
  - Time will tell
    - Results may not be self-evident at the end of the contract
  - Based on an exploratory "peeling the onion" approach
    - Cannot yet say what the "finished product" will look like
  - There's room for more than one "winning" NHIN design