

Consolidated Health Informatics (CHI)

Health Information Interoperability Standards in Federal Healthcare

Presentation to NCVHS

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Today's Purpose

Updates on:

- CHI strategy and status;
- CHI outreach with NCVHS Subcommittee on Standards & Security, August 29th, 2002 – what others are doing
- Questions posed to CHI during outreach
- Discuss:
 - NCVHS assistance
 - Next steps

CHI Strategy & Status

CHI Vision

To enable the sharing of health information in a secure environment to improve health

CHI Goal

To establish Federal health information interoperability standards as the basis for electronic health data transfer in all activities and projects and among all agencies and departments

CHI Federal Participation

Involves

About **20 partnering agencies** currently include HHS (CMS, CDC, IHS, FDA, etc.), DOD, VA as well as Department of State, SSA, GSA and others.

Approximately **100** medical, technical, policy and management **subject matter experts**

4 Key Elements of CHI

- Adopt health information interoperability standards (a vocabulary that includes specific health data models and communication standards);
- Assure alignment with Health Insurance Portability and Accountability Act (HIPAA) administrative transaction records and code sets;
- Assure alignment with HIPAA security and privacy solutions; and,
- Successful change in the medical information sharing culture.

CHI Strategy

Adopt common health information standards among all of the health-related Federal departments and agencies

Encourage and attract adoption of similar standards by other public and private sector entities

Create a “tipping point,” if necessary, to catalyze the widespread adoption of common health information standards

The logo consists of a dark blue oval with a lighter blue gradient in the center. The text "Health_e_People" is written in a white, cursive font across the middle of the oval. The letter 'e' is lowercase and has a horizontal line underneath it.

Health_e_People

Potential timetable *



Data Standards

Communication
Standards

Model Health
Information
Systems

Paperless (IOM)

Adoption by health care organizations



* This table represents discussion at a Kaiser-Permanente and IOM sponsored meeting in October 2001. 10

Toward standards & high performance info systems



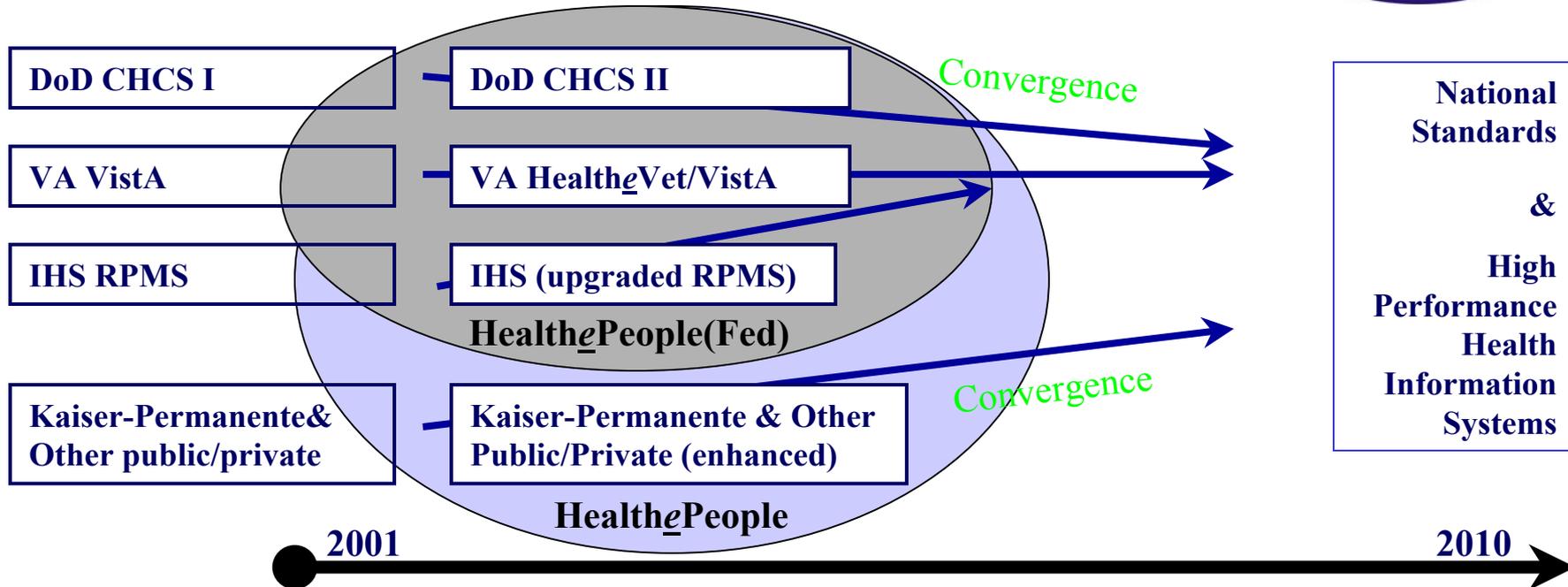
- **HealthPeople Strategy:**

- Federal & Nation to national standards & high performance health info systems supporting ideal health systems

- **HealthPeople Concept:**

- Collaboratively develop by public & private sectors
- Support by consumers, providers, payers & regulators
- Meet consumer, provider, payer & regulator needs
- Build around achieving national architecture standards for data, communications, security, systems, & technical
- Build/buy and implement high performance systems
- Public ownership/sharing of at least one high performance system

Potential sequence of standards & high performance systems



Phase 1 (FY2000-01)

Phase 2 (develop enhanced systems & standards; begin sharing/convergence)

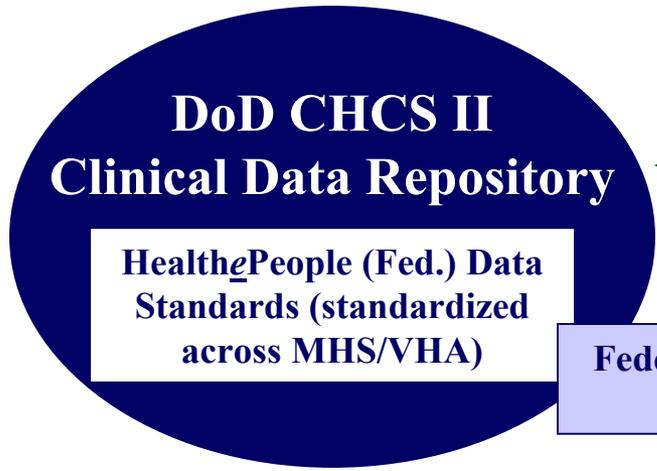
Phase 3 (national standards; high performance systems)

Standards – Separate. Work begun on standards.
Systems – Separate. Work begun on enhanced systems by each agency. Joint efforts begun.
Exchange – One-way from DoD to VA via FHIE/GCPR.

Standards – Jointly develop/set/use data, communications, architecture, security, technical, system standards.
Systems – Develop/use model information systems. Continuing enhanced system development by each agency. Joint procurement/build, sharing, standards when applicable.
Exchange – Two way VA/DoD; two way VA/IHS.

Standards – Nationally accepted standards.
Systems – High performance, interoperable systems.
Exchange – Two way amongst partners.

Computerized Health Records (FY 2005+)



Standards – Jointly use data, communications, architecture, security, technical, software standards; federal standards & potential national standards across public/private sector

Software – VA/DoD/Joint high performance software

Databases – Separate; enterprise-wide w/i each agency

Hardware – Separate; mix of enterprise & local w/i each agency

Exchange – Two-way VA/DoD

CHI outreach with
NCVHS Subcommittee on
Standards & Security

August 29th, 2002

WHAT OTHERS ARE DOING

What others are doing...

eHealth Initiative (eHI)

- Providers, suppliers, payers, manufacturers, physician organizations, research institutions, ...
- **Mission:** Improve quality, safety and cost-effectiveness of health care through information technology
- Increase awareness of IT's role in driving quality, safety, cost effectiveness
- Foundation for an interconnected health information infrastructure
- Promoting adoption, implementation guides & success stories
- Build the case for economic incentives

What others are doing...

Connecting for Health – Markle Foundation

- Providers, hospitals, employers, fed. agencies, suppliers, researchers, SDOs, manufactures, consumer groups, ...
- **Purpose:** Catalyze national action for an interconnected, electronic health information infrastructure
- **Vision:** Access to timely, relevant, reliable & secure health care information for providers, researchers, consumers,...
- **Goals:** Drive better health & health care at reduced cost
- **Structure:** Steering group + working groups: data standards, privacy & security, and professional health

What others are doing...

National Association of Health Data Organizations

- Non-profit to improve data uniformity/comparability, offer technical assistance, and help systems survive and improve
- Members = users who promulgate reporting requirements
- State budgets are limited and data not a high priority
- Data lacks clinical detail, has inconsistencies in diagnostic and procedure coding, and many state-specific standards
- Improving ability to overcome the problems and fill data gaps with NCVHS help
- Out-patient has the highest level of public health activity but is the largest data gap for the states

What others are doing...

National Alliance for the Health Information Technology Initiatives (NAHIT)

- Formation stage
- Providers, payers, IT technical companies & suppliers
- **View:** Standards vital to reforming quality & patient safety
- **Mission:** Mobilize to address fragmentation...improve quality through standard-based information systems
- **Outcomes:** Exchange data, patient accessibility, error avoidance, & lower costs
- **Strategy:** Convene, target real benefits, implement distinct projects, don't duplicate, & consensus approach

Observations

- Collaborative partnerships with some membership overlap
- Seeking to avoid duplication – a challenge for all
- Similar goals; e.g., lower costs, avoid errors, enhance research, etc.
- Similar structures – steering + subgroups
- Emphasis on enabling a national health care information system infrastructure and adoption of interoperable standards
- The right time is now
- Mandates won't work
- All are willing to help and work with us

Questions posed to CHI during
outreach

Questions

- Does CHI plan to be a partner in the development of standards and use of standards by....
 - Participation in Standards Development Organizations (SDOs)?
 - *Yes, our members are active SDO members*
 - Joining other efforts?
 - *With NCVHS help, we'll interface*
 - By funding [systems] efforts?
 - *CHI scope does not fund systems*
 - Demanding interoperability in purchases?
 - *Not discussed*

Questions

- Recognizing the need for coordination, what is the government's role? Is there a role for the government to focus all this energy in one direction?
 - *Building same standards into federal agency architecture*
 - *“Tipping point” as federal agencies adopt*
 - *CHI members’ participation in other work leads to coordination*

NCVHS assistance

CHI Suggestions for NCVHS Assistance

- Providing periodic guidance and feedback regarding CHI directions and plans;
- Helping to identify areas needing new standards on which CHI ought to focus;
- Helping to "market" the need for the adopted standards to the rest of the public and private sector; and,
- Partnering with and/or be supportive of the CHI and its participating federal agencies.

NCVHS – CHI Next Steps

Open Discussion