Consolidated Health Informatics "CHI"

HIPAA Summit

March 9, 2004

Topics to discuss today...

- Overview of Consolidated Health Informatics
  - CHI history and strategy
  - CHI in the Electronic Health Care Data Environment

- CHI standards process
  - Approach
  - Portfolio overview

- Status
  - Accomplishments
  - Future

CHI Overview

- One of the 24 Quicksilver eGovernment Initiatives of the President's Management Agenda
- **Goal**: To adopt existing clinical vocabulary & messaging standards to enable interoperability in the federal health care enterprise.
- Federal agencies will incorporate adopted standards into individual IT architectures within new systems and major system upgrades
- "Tipping point" for industry—industry seeking federal lead
- Coordinated with the NCVHS
- Complementary to HIPAA

FOR MORE INFO...

See the Government-to-Business portfolio at the www.egov.gov web site [3]

The Electronic Healthcare Data Environment

Administrative<<<<<<<<<<<<<<<<….>>>>>>>>>>>>>Clinical

Transaction Code Sets Final 08/2000		Modifications Final Rule 02/2003
Employer ID Final Rule 05/2002		Attachments Rule Future
Provider ID Final Rule 01/2004	Plan ID NPRM Expected Fall 2004	

Messaging Standards HL7, IEEE, DICOM, etc.

Immunizations Vocabulary · Physicals Vocabulary · Medications Vocabulary

Interventions Vocabulary · Laboratory Vocabulary · Nursing Vocabulary

Health Insurance Portability & Accountability Act

Consolidated Health Informatics

HIPAA Privacy Final (Modification) 08/02

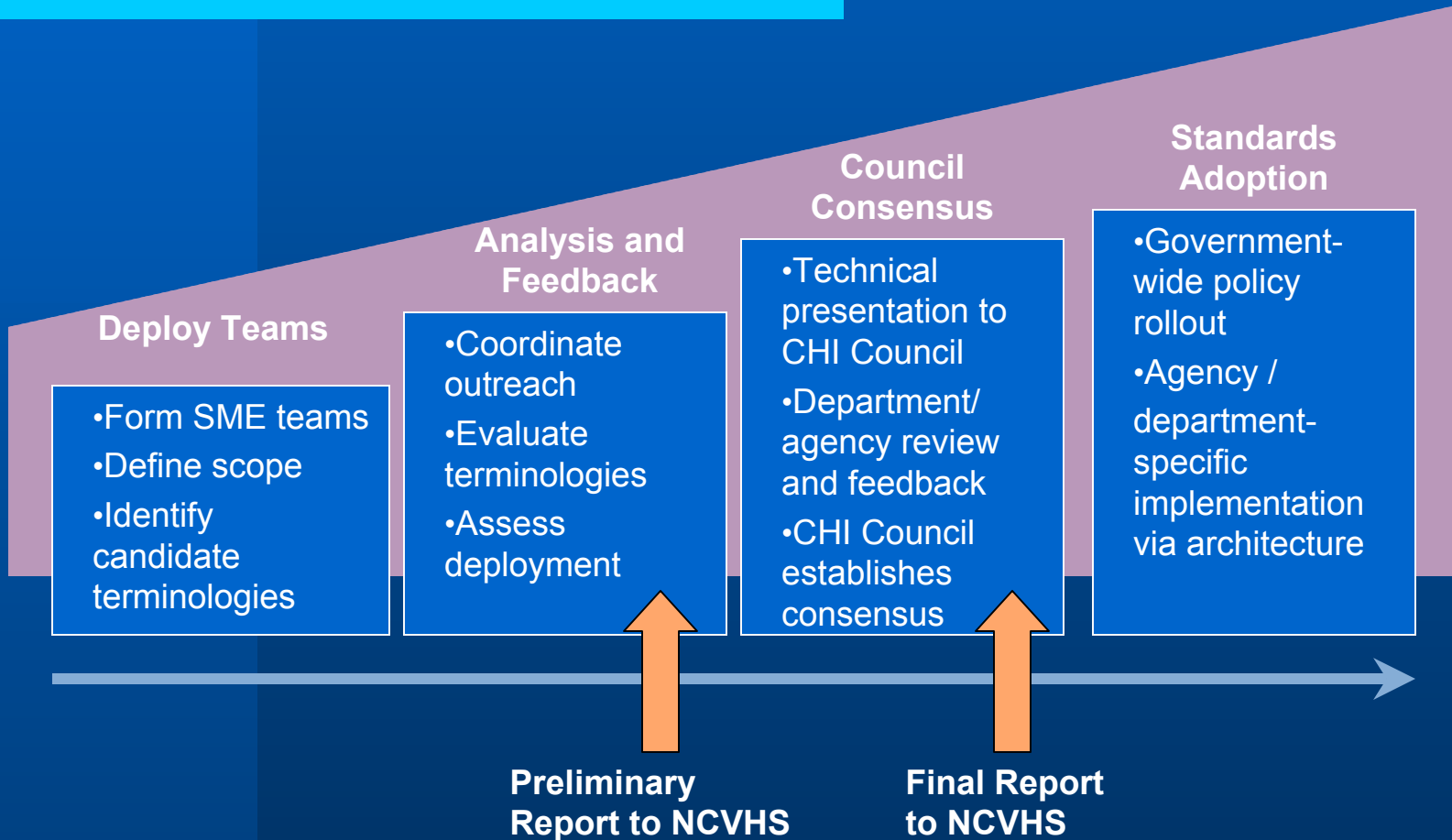## HIPAA Security Final 02/03

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CHI Federal Participation

Managing Partner

HHS

Federal Enterprise-wide Governance Structure: CHI Council

**Lead Partners
VA, DOD, HHS**

**Supporting Partners
SSA, EPA,
Commerce/NIST, NASA,
& more…**

Standards Adoption Process

Deploy Teams

- Form SME teams
- Define scope
- Identify candidate terminologies

Analysis and Feedback

- Coordinate outreach
- Evaluate terminologies
- Assess deployment

Council Consensus

- Technical presentation to CHI Council
- Department/ agency review and feedback
- CHI Council establishes consensus

Standards Adoption

- Government-wide policy rollout
- Agency / department-specific implementation via architecture

Preliminary Report to NCVHS

Final Report to NCVHS

Range of Recommendations:

- Solution Available:
  - Acceptable terminology; needs only "evergreening" to maintain
- Imperfect Terminology: Resulting in Follow-up
  - **Addressing Gaps:** Standard can be used and will be improved through gaps being addressed
  - **Conditional Approval:** Standard cannot be used until conditions addressed
  - **Temporal Issues:** Actions pending with defined timeframe (ballots, work to make production version available)
- No solution at this time:
  - Recommend development of a solution: With whom would the government work to develop that vocabulary?

Standards Adopted: March 2003

- **LOINC:** Laboratory Result Names
- **Health Level 7:** Messaging Standards *(scheduling, medical record/image management, patient administration, observation reporting, financial management, patient care)*
- **NCPDP:** Retail Pharmacy Transactions
- **IEEE 1073:** Messaging Standard for medical device connectivity
- **DICOM:** Messaging Standard for inter-agency sharing of imaging data

Recommendations Under Review

- Lab Results Contents
- Demographics
- Units
- Immunizations
- Medications
- Interventions and Procedures
- Lab Test Order Names
- Diagnosis/Problem List
- Anatomy/Physiology
- Nursing
- Billing/Financial

- Medical Devices and Supplies
- Encounters
- Disability
- Population Health
- Text-Based Reports
- History and Physical
- Multimedia
- Genes and Proteins
- Chemicals

CHI Accomplishments

- Established federal enterprise-wide governance structure: CHI Council
- Defined and completed initial work on target portfolio (24 domains)
- Partnership with NCVHS to coordinate timing on standards recommendations and industry outreach
- Adopted standards for first five domains (March 2003)
- Remaining domains have received recommendations and are in the process of adoption

Future of CHI

- Adoption of the recommended standards for the remainder of the portfolio

- OMB "graduates" eGov Initiatives by September 2004

- CHI and Federal Health Architecture (FHA) partner to integrate work

- Phase II planning sessions underway

Discussion Questions? Suggestions?

FOR MORE INFO...

Government-to-Business portfolio at www.egov.gov