

Standards Adoption Coordination Critical

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Health IT Standards Coordination Scope Outline

- Balance of top-down and bottom up
- Application to high-level models
- Critical need for US Health Terminology Authority

Architectural Spectrum
Tension across too little vs. too much

- Little or no shared information model
 - Disintegrated software and data artifacts
 - Precludes effective interoperability
 - Standards adoption lags for lack of framework
- Highly specified, rigid, information architecture
 - Risks failure due to scope and complexity
 - Impairs innovation and enhancements
 - Burdensome conversion and adoption costs
- Middle Ground – Overarching IT Framework
 - Top-down specification, informed by best practice

Large-scale Harmonization
Health data standards in the US

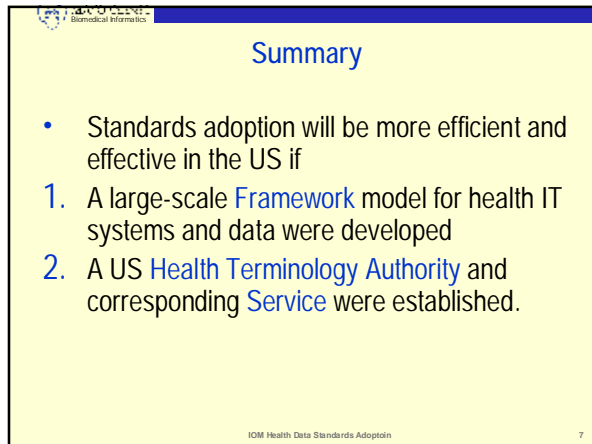
- Efforts underway since 1991
 - Coalition to form HISPP
 - HISPP, HISB, ANSI/CEN, ISO, HL7
 - HISTP – ONC programs
- Effectiveness blunted
 - Lack of overarching Framework
 - All bottom-up, virtually no top-down
- Standards adoption would accelerate if
Overarching Health IT Framework Established

CPRI Action Point
Terminology Coordination

- Select or Create an Entity, Serving the Public Interest, to Coordinate Healthcare Terminology Content in the Spirit Proposed by This Action Plan, and Modified by the National Conference.

Urgent Need for
US Health Terminology Authority

- Model after HL7 “US Realm” notion
- Forum for adjudicating “value set” contents
 - Prototyped within HITSP Foundations Committee
- Must also identify **National Terminology Service**
 - Distribution point for USHTA Content
 - Download whole code systems, values sets
 - Synchronizing master for “local” terminology services
 - Built along standard for common terminology services
 - May provide direct terminology services to small installations



The slide features a yellow background with a blue header bar. In the top left corner, there is a small logo for the Center for Biomedical Informatics. The title 'Summary' is centered at the top in blue text. Below the title is a bulleted list with two numbered items. The first item is a bullet point followed by a sentence. The second item is a numbered list item (1.) followed by a sentence. The third item is a numbered list item (2.) followed by a sentence. At the bottom left, there is small text: 'IOM Health Data Standards Adoption'. At the bottom right, there is a small number '7'.

Center for Biomedical Informatics

Summary

- Standards adoption will be more efficient and effective in the US if
 1. A large-scale **Framework** model for health IT systems and data were developed
 2. A US **Health Terminology Authority** and corresponding **Service** were established.

IOM Health Data Standards Adoption 7