NHII 03
Standards and Vocabulary
Group A

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This presentation does not necessarily reflect the views of the U.S. Government or the institution of any participants

Standards and Vocabulary A Current Status and Desired State

- Not altered from distributed materials

Standards and Vocabulary A Recommendations

- Presentation Grouping in logical – flow order
- Each assigned responsible party
- Note time frame and urgency

Standards and Vocabulary A

❶ Examine and describe the business process models for NHII stakeholders to: (Joint Public and Private) (Short)

- Identify best fits for NHII standards.
- Recommend best ways for adopting standards.
- Ensure that lessons learned can be shared and generalized, including those learned from HIPAA implementation.

Standards and Vocabulary A

❷ Secure reliable funding sources and resources for standard and vocabulary developers. (Joint) (Short)

- Develop implementation guides
- Develop conformance tests and associated tools
- Involve all stakeholders in these activities
- Undertake rapid development, incorporation, and dissemination of new content to accommodate health technology, procedure, and diagnostic advances.
- Extend and maintain the standard in a manner that is responsive to user needs.

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Standards and Vocabulary A

❸ Decrease barriers and increase benefits to standards adoption and implementation. (Federal) (Medium)

- Expand educational initiatives to explain what the standards are and how they can be implemented.

- Establish financial models to make cost affordable and benefits attractive; eliminate cost as a barrier to adoption. (Possible models include government or foundation underwriting.)

- Promote standards for the format and distribution of content, including versioning mechanisms, to simplify adoption.

- Refine and implement standards for common terminology services (middleware).

- Provide funding to study, promote, monitor, and improve standards implementation, including demonstrations.

Standards and Vocabulary A

❹ Standardize procedures for maintaining, updating, and distributing standards content. (Joint) (Medium)

- Ensure that all terminology content is machine readable in common formats and has internet availability (e.g. accessible via Common Terminology Services).

- Format standard specifications electronically and in a manner that enhance automation of deployment and use.

- Establish a process to make all versions and updates readily available.

Standards and Vocabulary A

❺ Impartial certification of standards and vocabulary implementations. (Private) (Medium)

Standards and Vocabulary A

❻ Designate a core set of clinical reference terminologies that are:
(Federal) (Short)

- Interlocking,
- Non-overlapping, and are
- Unbiased and impartial.
- Develop an open process for extending core set.

Standards and Vocabulary A

❼ Improve the process for extending administrative terminologies. (Federal) (Short)

- Ensure that it is more open
- Ensure that it is impartial.

Standards and Vocabulary A

❽ Define connections between clinical and administrative terminologies to promote interoperability and data re-use. (Joint) (Medium)

- Build simple mapping where appropriate (synonymy or term-to-term connections)

- Define aggregation logics and implement tools. (e.g. ICD-9-CM coding rules)

- Include in UMLS the ability for simple mapping *and* logic driven aggregations.

- Ensure that mechanisms are unbiased and impartial.

Standards and Vocabulary A

❾ Achieve agreement on a Concept to Model Continuum (Joint) (Long)

- Define the nomenclature to classification to groups (e.g. DRG) continuum as a subset.

- Explicitly include a practical merger of terminology, information, and process models.

- Study real-world business models to identify standards development needs.

- Agree upon mechanisms for all stakeholders to jointly create the model.

- Designate NLM as the coordinating body, serving the public interest.

Standards and Vocabulary A

❿ Promote specific Federal actions. (Short)

- Continue the CHI process beyond two-year mandate, to maintain and extend designations.
- Specify that CHI specified standards be used in government funding and contract instruments, including all Medicaid programs.
- Conduct cost, benefit, and implementation analysis for adopting and not adopting new standards, specifically including HL7 V3.
- Monitor and report where the standards adopted by HHS are used.

Standards and Vocabulary A

- Thanks to all facilitators, experts, and wonderfully active participants.

- Facilitators

VA Auld, NLM

CG Chute, Mayo

SP Cohn, Kaiser

SJ Steindel, CDC

- Invited Experts

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