

Clinical Terminology and Classifications - Update

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Health Information Technology and Health Data Standards at NLM

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NLM is the central coordinating body for clinical terminology standards within the Department of Health and Human Services (HHS). NLM works closely with the Office of the National Coordinator for Health Information Technology (ONC) to ensure NLM's efforts are aligned with the goal of the President and HHS Secretary for the nationwide implementation of an interoperable health information technology infrastructure to improve the quality and efficiency of health care.

Health Data Standards

NLM supports the development, enhancement, and distribution of clinically specific vocabularies to facilitate the exchange of clinical data and improve retrieval of health information.

- Clinical Vocabularies supported, licensed, or developed by NLM:
[SNOMED CT](#) | [LOINC](#) | [RxNorm](#)
- Uniform distribution mechanism for HIPAA and clinical vocabulary standards through the [UMLS Metathesaurus](#)
- [UMLS Enhanced VA/KP Problem List Subset of SNOMED](#)

NLM distributes FDA approved Structured Product Labels linked to RxNorm and related medication information:

- [DailyMed](#)

NLM coordinates efforts to develop [mappings](#) between HIPAA code sets and standard clinical vocabularies.

- SNOMED CT to ICD-9-CM | SNOMED CT to CPT | [LOINC to CPT](#)

NLM promotes harmonization between standards.

- [Contract with HL7](#) to align HL7 message standard with CHI standard vocabularies and create implementation guides for exchange of entire EHRs.

Related Sites

[HealthIT](#) (U.S. Government Health Information Technology Web Site)

[Office of the National Coordinator for Health Information Technology \(ONC\)](#)

[USHIK](#) (United States Health Information Knowledgebase)

NIH Initiatives

[Clinical and Translational Science Awards](#)

[CaBIG \(Cancer Biomedical Informatics Grid\)](#)

NLM Participation in Standards Development

[Federal Health](#)

NLM Activities re: Health IT Standards

- Support, license, develop, coordinate, and distribute standard clinical vocabularies (LOINC, SNOMED, RxNorm) in UMLS and other formats
- * Distribute FDA-approved structured product labels via "Daily Med"
- * Direct efforts to map clinical terminologies to HIPAA administrative code sets
- * Direct contract to align HL7 with standard vocabularies and support other HL7 work to promote interoperability
- Work with NIH to promote use of standards in clinical research enterprise

Recent Priorities - 1

- Assist International Health Terminology Standards Development Organisation (IHTSDO) with start-up
 - Put contract in place for US membership
 - Establish elected Committees & open WGs
 - Set up framework for LOINC-SNOMED CT collaboration
 - Define boundaries for medications in core SNOMED CT
 - Set up IHTSDO-WHO harmonisation activity
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IHTSDO priorities re: Classifications

- Map from SNOMED CT to ICD-11
- Map from SNOMED CT to ICF
- Development of ICD-11
 - in this order - significant parallel work not thought to be feasible

Next IHTSDO-WHO meeting scheduled
for June 2, 2008

ICD-11 – NLM view

- ❑ Idea of building ICD-11 as aggregation layer of SNOMED CT is very attractive
 - ❑ Map to ICD-10 is useful groundwork for development of ICD-11
 - ❑ Need to pilot test proposed integrated terminology-classification approach
 - ❑ Proposed ICD-11 timetable very ambitious
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Recent Priorities – 2

□ Advance US mapping projects

■ SNOMED CT to CPT

- Created by CAP, under review by AMA
- Draft available for testing – Summer 2008

■ LOINC to CPT

□ High frequency usage map –

- 2nd edition created by 3M, under review by AMA, available for use/testing - Summer 2008

□ Radiology map

- Created by 3M, under review by AMA, available for testing – September 2008

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- *LOINC-AMA working on plan for regular updates/dissemination*

Recent Priorities - 3

□ Advance US mapping projects

■ SNOMED CT to ICD-9-CM

□ Original reimbursement map created by CAP – unable to reach acceptable level of concurrence for distribution

□ Current activity:

■ Focused on Heavily used subset

▪ 5,000 identified by Kaiser and Nebraska

■ Currently under review by AHIMA on behalf of CDC/NCHS

■ Draft available for testing – October 2008??

Recent Priorities - 4

- ❑ Expand LOINC coverage of genetic tests and results
- ❑ Define vocabulary value sets (LOINC, SNOMED CT, etc.) needed to standardize newborn screening data
- ❑ Set up sustainable approach to defining/distributing specific vocabulary value sets for HITSP specs
- ❑ Expand and refine RxNorm
- ❑ Establish new HL7 contract, etc, etc

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