



Value Set Authority Center
U.S. National Library of Medicine



VSAC Users' Forum

Thursday, November 13

2:00 – 3:00 EDT



Today's Agenda

- Review of October Forum Topics
 - UMLS CUIs in VSAC; Text Download Format; HL7v3 in VSAC; Reorganized Help Documentation; New Video Tutorials
 - Recording: <http://www.nlm.nih.gov/vsac/support/userforum/userforum.html>
- TODAY: C-CDA content in VSAC
 - All HL7v3.0 code systems needed for C-CDA will be in VSAC by December, 2014.
 - Discussion of Non-HL7 code systems needed to support C-CDA
- VSAC validation methods for program publications
- VSAC Collaboration Pilot – how to get involved
- Intensional Definitions for lexically structured code systems (e.g., ICD); regular expressions
- New Web Page: VSAC Publications
- VSAC at AMIA2014, Poster Session 2, Tuesday, Nov. 18.

C-CDA content in VSAC

Consolidated Clinical Document Architecture

- HL7v3.0 code systems for C-CDA: in VSAC mid 12/2014
- Discuss Non-HL7 code systems to support C-CDA
- VSAC's Role and Value Set Authors Role
- Value set authors can begin creating and/or importing C-CDA value sets as soon as the code systems are in VSAC.



HL7v3.0 code systems for C-CDA

(coming into VSAC in mid-December 2014)

HL7v3.0 Code System Name	Code System OID
ActPriority	2.16.840.1.113883.5.7
ActReason	2.16.840.1.113883.5.8
AddressUse	2.16.840.1.113883.5.1119
AdministrativeGenderCode	2.16.840.1.113883.5.1
ConfidentialityCode	2.16.840.1.113883.5.25
EntityNamePartQualifier	2.16.840.1.113883.5.43
EntityNameUse	2.16.840.1.113883.5.45
ActMood	2.16.840.1.113883.5.1001
RoleClass	2.16.840.1.113883.5.110
LanguageAbilityMode	2.16.840.1.113883.5.60
MaritalStatus	2.16.840.1.113883.5.2
ParticipationFunction	2.16.840.1.113883.5.88
ReligiousAffiliation	2.16.840.1.113883.5.1076



Non-HL7v3.0 code systems for C-CDA

Code System Name	Code System OID	Code System in VSAC?
Country (ISO 3166-1)	1.0.3166.1	NO
CPT	2.16.840.1.113883.6.12	YES
DICOM	2.16.840.1.113883.6.92	NO
FIPS 5-2 (State)	2.16.840.1.113883.6.92	NO
LOINC	2.16.840.1.113883.6.1	YES
NCI Thesaurus	2.16.840.1.113883.3.26.1.1	NO (in UMLS)
NDF-RT (Drug Classification)	2.16.840.1.113883.3.26.1.5	YES (subsource of RxNorm)
NUBC UB-04 FL17-Patient Status	2.16.840.1.113883.6.301.5	NO
NUCC Health Care ProviderTaxonomy	2.16.840.1.113883.6.101	NO
RxNorm	2.16.840.1.113883.6.88	YES
SNOMED-CT	2.16.840.1.113883.6.96	YES
UCUM -Unified Code for Units of Measure	2.16.840.1.113883.6.8	NO
Unique Ingredient Identifier (UNII)	2.16.840.1.113883.4.9	NO
US Postal Codes	2.16.840.1.113883.6.231	NO



VSAC Validation Methods for Program Publications of Value Sets

- Specific to the Program's Needs and Requirements
- Inactive and Invalid Codes
- Binding to specific code system versions (e.g., regulatory requirements)
- Warnings for codes with program-defined undesirable properties (e.g., veterinary or non-prescribable drugs)



VSAC Collaboration Beta Test Volunteers

Volunteer to be a beta tester for the VSAC Collaboration site. We need your input in order to make a good tool for you.

Testing will require only a couple hours and will take place during December.

Sign up now: maureen.madden@nih.gov



Intensional Definitions

Regular Expressions

- Some code systems have a well defined hierarchical structure
Example: SNOMED-CT
- Some code systems are non-ontological or lexically structured.
Examples are ICD-9-CM and ICD-10-CM
- VSAC plans to support regular expression queries for these lexically structured code systems.
- VSAC will first develop intensional definition capabilities for value sets derived from SNOMED-CT, LOINC and RxNorm.



VSAC Publications

VSAC Publications

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VSAC Users' Forum Monthly Webinar

[VSAC Users' Forum Page](#)

Publications

[Papers and Posters](#)

2014

- Khatipov E, Madden M, Chiang P, Chuang P, Nguyen D, D'Souza I, Winnenburger R, Bodenreider O, Skapik J, McClure R, Emrick S.
Creating, maintaining and publishing value sets in the VSAC.
[poster]
AMIA Annu Symp Proc **2014**:(in press).
[\[download PDF\]](#)

2013

- Bodenreider O, Nguyen D, Chiang P, Chuang P, Madden M, Winnenburger R, McClure R, Emrick S, D'Souza I.
The NLM value set authority center. [poster]
Stud Health Technol Inform (Proc Medinfo) **2013**;192:1224.
[\[download PDF\]](#) [\[PubMed: 23920998\]](#)
- Emrick S, Nguyen D, Chiang P, Chuang P, Madden M, Winnenburger R, McClure R, D'Souza I, Bodenreider O.
The NLM Value Set Authority Center at 1 year. [poster]
AMIA Annu Symp Proc **2013**:390.
[\[download PDF\]](#)
- Winnenburger R, Bodenreider O.
Metrics for assessing the quality of value sets in clinical quality measures.
AMIA Annu Symp Proc **2013**:1497-1505.
[\[download PDF\]](#) [\[PubMed: 24551422\]](#) [\[PubMedCentral: 3900160\]](#)
- Winnenburger R, Bodenreider O.



VSAC Poster at AMIA2014

Poster Session II, Tuesday November 18.

5:00 p.m. – 6:30 p.m. Meet and speak with the authors.

Khatipov E, Madden M, Chiang P, Chuang P, Nguyen D, D'Souza I, Winnenbourg R, Bodenreider O, Skapik J, McClure R, Emrick S.

Creating, maintaining and publishing value sets in the VSAC. [poster]

AMIA Annu Symp Proc 2014:(in press).

<http://www.nlm.nih.gov/vsac/support/publications/papersandposters.html>



Questions?

Send comments, questions, ideas and *intensional value sets* to:

custserv@nlm.nih.gov

(place VSAC in the subject line)

Upcoming VSAC Users' Forum:

December 18, 2014