

Quality Measure Essential Components Tiger Team

Jim Walker, Chair

April 16, 2012 - 3:00 pm – 4:00 pm

- Recommend ONC actions to make usable and useful value sets available for Stage 2:
 - Report to Quality Workgroup, early May
 - E-mail final poll, week of May 16
 - Report to Standards Committee May 24

Scope of Recommendations

- **In scope:** Imperative Value Set infrastructure to support MU2
 - Validation of vocabulary codes
 - Internet hosting & delivery of value sets
 - Content standard for serving value sets
 - Transfer standard for serving value sets
- **Out of scope:** Longer term infrastructure
 - Discoverability
 - Curation, including harmonization & maintenance of codes and verification of semantic validity
 - Governance, content management, versioning

Recommendation 1:

Establish NLM as a single authority center for the validation of value sets used in Stage 2 quality measures.

- ONC should coordinate with other agencies as needed for value set hosting and serving/delivery.
- NLM will assess value set validity, and in collaboration with value set developers, will make edits to value sets to ensure validity of vocabulary codes, names, and vocabulary system version.

Recommendation 2:

Expedite recommendations of the Implementation Workgroup (Jan 2012) and Vocabulary Task Force (April 2010) related to establishment of a publicly available value set repository.

Recommendations

Recommendation 3: *Options For discussion*

- a) Use the IHE Sharing Value Sets (SVS) profile for storing and serving value sets. This implicitly includes CTS/CTS2 methods.
- b) Implement a Federal Terminology Service using Common Terminology Service 2 (CTS2) specifications for storing and serving value sets. This does not include the complimentary guidance of IHE SVS profile.

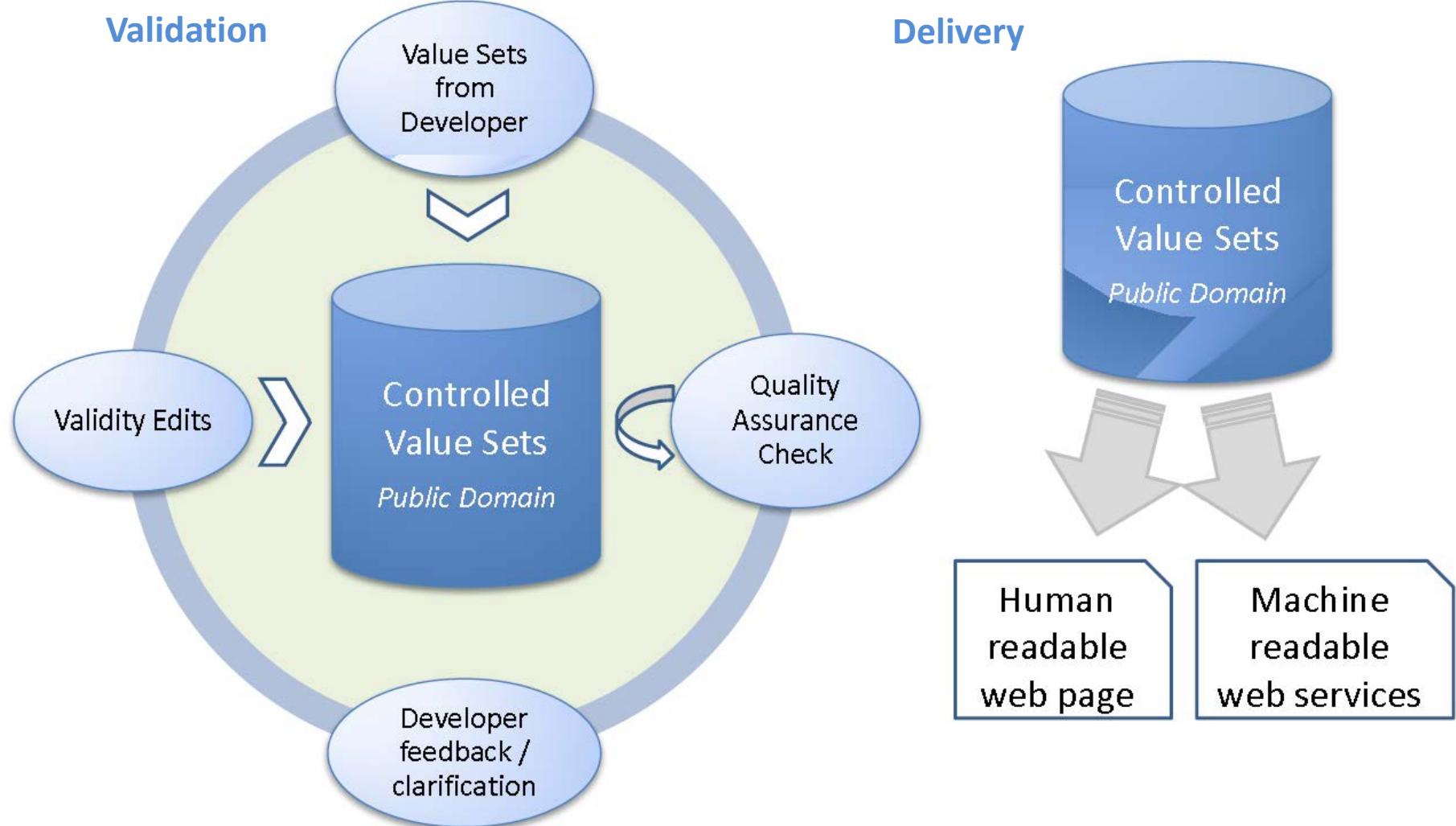
Recommendation 4: *For discussion*

Establish a web service for human and machine consumption of Meaningful Use 2 value sets. Consider NLM, AHRQ, or CDC as the Internet host for validated value sets.

- Provide output in commonly used formats, e.g., tab-delimited, spreadsheet or XML formats, suitable for import into SQL tables, and web service delivery.
- Supporting the creation of web-based views based on quality measure and value set names and numerical identifiers, QDM Category, code systems & code system versions used.

MU2 Value Set Validation & Delivery

Speaker's Notes: Mechanisms for governance and quality assurance; Unambiguous communication and version control; Freely available for use as building blocks; Discoverability to support reuse; Authoritative source to support harmonization; Automated update notifications; Automated machine consumption



Swim Lanes

Quality Measure / Value Set Developer

- Create value set
- Deliver value sets to NLM (non-endorsed measures)
- Receive feedback from NLM re: code validity
- Provide clarification as needed
- Incorporate edits into base value set

NQF

- Deliver value sets to NLM for endorsed measures

NLM

- Receive value sets
- Store value sets in publicly available value set repository
- Provide feedback to developers re: code validity
- Request clarification from developers as needed
- Make validity edits to value sets
- Serve value sets in human & machine readable form

What a repository might look like

ValuSet Repository Demo

<http://www.valuesetlookup.org>

Find a ValueSet

Results

Concept	Category	Taxonomy	Code	Steward	Version	OID
ACE	Medication	RxNorm	101231	AMA - Physician Consortium for Performance Improvement	9-Dec	2.16.840.1.1138
ACE Inhibitor	Medication	RxNorm	13223376	AMA - Physician Consortium for Performance Improvement	9-Dec	2.16.840.1.1123
Acetylcholine	Medication	RxNorm	1232377	AMA - Physician Consortium for Performance Improvement	9-Dec	2.16.840.1.1138
Acetabular Fracture	Finding	SNOMED-CT	272-29282-4378	AMA - Physician Consortium for Performance Improvement	9-Dec	2.16.840.1.1132

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Find a ValueSet Enter Concept Find

Results

Descriptor	Category	Taxonomy	Code	Version
Ace Inhibitor				OID: 2.16.840.1.113883.3.526.02.39 Steward: AMA - PCPI
Lisinopril 2.	Medication	RxNorm	104375	9-Dec
Lisinopril 5	Medication	RxNorm	104376	9-Dec
Lisinopril 10	Medication	RxNorm	104377	9-Dec
Lisinopril 20	Medication	RxNorm	104378	9-Dec
Ramipril 2.5 MG Oral	Medication	RxNorm	104384	9-Dec

XML

01/10/2012

Discussion