

CMS eHealth Vendor Workgroup

April 11, 2013

12:00 p.m. ET

Mark Your Calendar



Vendor Education Series: QRDA

April 16th, 2013

12pm – 1:30 pm

Call information will be provided via Listserv.



Agenda

- 1. CQM Update**
2. Introduction to USHIK
3. FAQ Updates
4. Question and Answer Session

CQM Annual Update

CMS strongly encourages the implementation and use of the updates to the electronic specifications of the CQMs finalized in the Stage 2 rule since those updates include new codes and logic corrections and clarifications.

However, CMS will accept all versions of the CQMs for MU, beginning with those finalized in the December 4, 2012 CMS-ONC Interim Final Rule and including all annual updates until the Stage 3 rulemaking and the establishment of a new edition of certification criteria for EHR technology.

CQM Annual Update

- December 2012 Release
- April 1, 2013 – EH Annual Update
- June 1, 2013 – EP Annual Update
- [eCQM Library](#)

CQM Annual Update

- http://www.cms.gov/Regulations-and-Guidance/Legislation/EHRIncentivePrograms/eCQM_Library.html

CQM Annual Update

December 2012 Release:

[2014 eCQM Specifications for EH Release December 2012](#)
[Technical Release Notes 2014 eCQM for EHs v1.2 Dec2012](#)
[2014 eCQM Measure Logic Guidance v1.2 Jan 2013](#)
[Guide to Reading EP and Hospital eCQMs Dec2012](#)
[Value Set Authority Center \[National Library of Medicine\]](#)
[eSpec Navigator 2014 eCQMs Release December 2012](#)

April 2013 Release:

[Table of 2014 EH Measure Versions](#)
[2014 eCQM Specifications for EH Release April 2013](#)
[Technical Release Notes 2014 eCQM for EH v1.3 Apr2013](#)
[2014 eCQM Measure Logic Guidance v1.3 Apr2013](#)
[Guide to Reading EP and Hospital eCQMs April2013](#)
[Value Set Authority Center \[National Library of Medicine\]](#)
[eSpec Navigator 2014 eCQMs Release April 2013](#)

CQM Annual Update

Value Set Authority Center

The National Library of Medicine (NLM) maintains the NLM [Value Set Authority Center](#) also known as VSAC.

USHIK

The [USHIK meaningful use portal](#) is produced by the Agency for Healthcare Research and Quality in partnership with CMS and the National Library of Medicine.

JIRA Clinical Quality Measure specification Feedback System

CMS and ONC have developed a tool for vendors to use to submit issues with eCQM logic, review FAQs, obtain clarification on specifications, and ask questions regarding eCQM certification.

- [JIRA-Clinical Quality Measure Feedback System](#)
- [JIRA-Clinical Quality Measure Feedback System Instructions](#)

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Meaningful Use and the United States Health Information Knowledgebase (USHIK)

J. MICHAEL FITZMAURICE, PH.D., FACMI (AHRQ)

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April 11, 2013

USHIK Background

USHIK is a research tool funded by the Agency for Healthcare Research and Quality (AHRQ). USHIK provides a “one-stop shop” to access numerous different specifications:

- ▣ Meaningful Use Clinical Quality Measures (CQMs) and Value Sets
- ▣ State All-Payer Claims data dictionaries
- ▣ Common Formats Patient Safety event reporting
- ▣ Standards from ASC X12, NCPDP, HL7, and other development organizations
- ▣ Artifacts from harmonization initiatives

USHIK and Meaningful Use

USHIK Contains a wealth of Meaningful Use files:

- Clinical Quality Measures (CQMs) from the 2011 – 2013 and 2014+ reporting periods
- Value Sets (for the “2014+” CQMs)
- Stage 1 and Stage 2 Meaningful Use Objectives
- Downloadable versions of these files in different formats including Excel, CSV, SVS, and XML formats
- A single file download with all MU2 CQMs and Value Sets

USHIK and Meaningful Use

USHIK publishes Meaningful Use specifications at:

<http://ushik.ahrq.gov/MeaningfulUse>

USHIK provides a wide set of tools to assist users:

- Search Capability: search for metadata artifacts by name, identifier, keyword, etc.
- Web Views: View Meaningful Use artifacts on-screen
- Downloads: Export single or multiple artifacts to downloadable files (e.g.: PDF, Excel, CSV, SVS, etc.)
- Information Models: Graphical models to help users understand the structure of and interrelationships among standards and use cases

Versions of Meaningful Use Artifacts in USHIK

USHIK provides the ability to maintain and compare versions of CQMs and Value Sets

Statin Prescribed at Discharge

CMS30v3

Alternate Versions: [2](#) [3](#) [Compare Versions](#)

[At A Glance](#) [Downloads/Resources](#) [Population Criteria](#) [Data Criteria](#) [S](#)

Acute myocardial infarction (AMI) patients who are prescribed a statin at hospital discharge

Improvement Notation	An increase in rate.
Measurement Period	January 1, 20xx through December 31, 20xx
Transmission Format	None

Adverse Drug Reactions Education

2.16.840.1.113883.3.117.1.7.1.304

Alternate Versions: [20121025](#) [20130401](#) [Compare Versions](#)

[At A Glance](#) [Downloads/Resources](#) [Codes](#)

Item Name	Adverse Drug Reactions Education
OID	2.16.840.1.113883.3.117.1.7.1.304
Data Source	National Library of Medicine
Coding System(s)	SNOMEDCT
Revision Date	2013-03-30
Version	20130401
Type	Extensional
Source Link	https://vsac.nlm.nih.gov/

Versions of Meaningful Use Artifacts in USHIK

Side-by-side comparison of CQMs helps users quickly find differences between versions.

Note the change from “admission datetime” to “discharge datetime” below:

(CMS30v2) Statin Prescribed at Discharge	(CMS30v3) Statin Prescribed at Discharge
<p>⊖ Population criteria</p> <p>⊖ Initial Patient Population</p> <p>AND:"Patient Characteristic Birthdate: birth date" >= 18 year(s) starts before start of "Occurrence A of Encounter, Performed: Encounter Inpatient (admission datetime)"</p> <p>AND:"Diagnosis, Active: AMI (ordinality: 'Principal Diagnosis')" starts during "Occurrence A of Encounter, Performed: Encounter Inpatient"</p> <p>AND:"Occurrence A of Encounter, Performed: Encounter Inpatient (length of stay <= 120 day(s))"</p> <p>AND:"Occurrence A of Encounter, Performed: Encounter Inpatient (admission datetime)" during "Measurement Period"</p> <p>⊕ Denominator</p> <p>AND:"Initial Patient Population"</p>	<p>⊖ Population criteria</p> <p>⊖ Initial Patient Population</p> <p>AND:"Patient Characteristic Birthdate: birth date" >= 18 year(s) starts before start of "Occurrence A of Encounter, Performed: Encounter Inpatient (admission datetime)"</p> <p>AND:"Diagnosis, Active: Hospital Measures - AMI (ordinality: 'Principal Diagnosis')" starts during "Occurrence A of Encounter, Performed: Encounter Inpatient"</p> <p>AND:"Occurrence A of Encounter, Performed: Encounter Inpatient (length of stay <= 120 day(s))"</p> <p>AND:"Occurrence A of Encounter, Performed: Encounter Inpatient (discharge datetime)" during "Measurement Period"</p> <p>⊕ Denominator</p> <p>AND:"Initial Patient Population"</p>

Versions of Meaningful Use Artifacts in USHIK

Side-by-side comparison of Value Sets helps users quickly find differences between versions.

Note the addition and removal of codes from the two versions of Anticoagulant Therapy. The grey background of the codes below indicates that a code is not in the other version.

Code System	<u>Anticoagulant Therapy</u> Version: 20121025								<u>Anticoagulant Therapy</u> Version: 20130401							
RXNORM (2012-08, 2013-02)	200322	308351	349308	545076	854228	854235	854238	854241	200322	308351	349308	545076	854228	854235	854238	854241
	854245	854248	854252	854255	854258	855288	855296	855302	854245	854248	854252	854255	854258	855288	855296	855302
	855308	855312	855318	855324	855332	855338	855344	861356	855308	855312	855318	855324	855332	855338	855344	861356
	861360	861363	861365	978713	978717	978725	978733	978736	861360	861363	861365	978713	978717	978725	978733	978736
	978738	978740	978744	978746	978755	978759	978761	978777	978738	978740	978744	978746	978755	978759	978761	978777
	1037045	1037179	1110708						1037045	1037179	1110708					
		829886	830698	848335	849710	849712	849718	849722	849726	1114198	1232082	1232086	1361048	1361568	1361574	1361577
		849764	849770	849776						1361607	1361613	1361615	1361760	1361853	1362060	1362837
										1364435	1364445					

Download Meaningful Use Artifacts from USHIK

Export CQM and/or Value Set details for selected items or for all of CQMs in USHIK

Downloadable files come in several flavors:

- ▣ IHE Sharing Value Sets XML (the format used by the NLM Value Set Authority Center (VSAC))
- ▣ Excel (*.xlsx) spreadsheet
- ▣ Comma-Separated (CSV) format
- ▣ Custom schema XML format
- ▣ PDF
- ▣ Health Quality Measure Format (HQMF) XML

USHIK in the Future



USHIK will contain specifications for Meaningful Use Stage 3 when they become available

USHIK will contain draft measures which will be presented to solicit public feedback before they are posted to other programs (including Meaningful Use)

Using USHIK

The “big file” downloads are available from the [Downloads](#) link in the left menu.

These files contain the latest versions of CQMs and Value Sets.

The screenshot shows the USHIK website interface. On the left is a navigation menu with the following items: Meaningful Use Objectives, Clinical Quality Measures, Value Sets, User Tools (Help, Glossary, Resources, FAQ, API Documentation, Search, Downloads), Stay Informed (Subscribe to Updates, Help Request Form, What's New in USHIK), and Users (447 active users at 5:27:08 PM). The 'Downloads' link in the User Tools section is highlighted with a red box. The main content area is titled 'Meaningful Use Downloads' and includes a sub-header 'Quick Access to complete 2014 Measure and Value Set downloads'. Below this is a 'Downloads' section with an introductory paragraph and a link to 'How to License and Access the Unified Medical Language System™ (UMLS™) Data'. The page is divided into three main sections: 'Meaningful Use Measures', 'Meaningful Use Value Sets', and 'Meaningful Use Measures AND Value Sets'. Each section contains a download option with an icon, a title, and a description of the file contents and size.

Meaningful Use Downloads

Quick Access to complete 2014 Measure and Value Set downloads

Downloads

The downloads listed below which contain Concept Codes and Descriptions from various Code Systems supplied by the National Library of Medicine (NLM) require that you authenticate via UMLS before you can receive the files. When you click to download a file, you will be prompted to enter your UMLS credentials.

If you do not have UMLS credentials, use the link below to start the process:
[How to License and Access the Unified Medical Language System™ \(UMLS™\) Data](#)

Meaningful Use Measures

 **HQMF Files**
Download the HQMF Files for all 2014 Eligible Hospital and Eligible Provider Clinical Quality Measures (CQMs) in a single package (5.6MB zipped)

Meaningful Use Value Sets

 **Sharing Value Sets (SVS) XML**
Download the Value Sets utilized by the 2014 CQMs in a single Sharing Value Sets (SVS) XML file (1.52MB zipped).

Meaningful Use Measures AND Value Sets

 **Value Set Comma-Separated (CSV)**
Download a single comma-separated 'flat file' (CSV) which contains all 2014 CQMs, Quality Data Elements, Value Sets, and Concept Codes & Descriptions (2.65MB zipped). [View instructions](#) on how to import CSV into Microsoft Excel™

 **Single File XML**
Download an XML file and schema which contains all 2014 CQMs, Quality Data Elements, Value Sets, and Concept Codes & Descriptions (3.05MB zipped). This file contains the same content as the CSV 'flat file' but is formatted as an XML file.

 **MS Excel™ Spreadsheet**
Download a Microsoft Excel™ 2007 file (*.xlsx) which contains all 2014 CQMs, Quality Data Elements, Value Sets, and Concept Codes & Descriptions (5.24MB zipped). This file contains the same content as the CSV 'flat file' but is formatted as a spreadsheet in the MS Excel™ 2007 format.

USHIK Feedback

Questions about USHIK? Use the “Help Request Form” in the left menu on every page.

The USHIK project team welcomes all questions, issues, and other user feedback.

The screenshot displays the USHIK (U.S. Health Information Knowledgebase) website. The main header includes the USHIK logo and the text 'U.S. Health Information Knowledgebase'. Below the header is a navigation menu with options for 'Meaningful Use Objectives', 'Clinical Quality Measures', and 'Value Sets'. A 'User Tools' section contains links for 'Help', 'Glossary', 'Resources', 'FAQ', 'API Documentation', 'Search', and 'Downloads'. A 'Stay Informed' section includes 'Subscribe to Updates', 'Help Request Form' (highlighted with a red box), and 'What's New in USHIK'. The right side of the page features a 'Meaningful Use Measure' section with tabs for 'USHIK' and 'Standards', and sub-tabs for 'Stage 1', 'Stage 2', and 'Stage 3'. A 'Clinical Quality Measures' box lists 'List 2014 CQMs', 'View Details for each CQM', 'Compare CQMs to each other', and 'Export CQMs into various formats'. A note at the bottom right states: 'Please note: The CQM's and Va meaningful use but rather to an i participants in the EHR Incentive of meaningful use.'

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Questions

For more information please visit:

www.CMS.gov/eHealth