HealthIT.gov

§170.315(c)(3) Clinical quality measures (CQMs) – report

2015 Edition Test Procedure

Updated on 06-29-2018

Revision History

Version #	Description of Change	Version Date
1.0	Final Test Procedure	07-29-2016
1.1	Removed 'report with raw data' from SUT step 2, in paragraph (c)(3)(i).	01-10-2017
1.2	Updated 'step #' to reference the actual step description.	06-29-2018

Regulation Text

Regulation Text

§ 170.315 (c)(3) *Clinical quality measures—report—*

Enable a user to electronically create a data file for transmission of clinical quality measurement data:

(i) At a minimum, in accordance with the standards specified in § 170.205(h)(2) and § 170.205(k)(1) and (2).

(ii) *Optional.* That can be electronically accepted by CMS.

Standard(s) Referenced

Paragraph (c)(3)(i)

§ 170.205(h)(2) Health Level 7 (HL7®) CDA® Release 2 Implementation Guide for: Quality Reporting Document Architecture – Category I (QRDA I); Release 1, DSTU Release 3 (US Realm)), Volume 1

§ 170.205(k)(1) Quality Reporting Document Architecture (QRDA) Category III, Implementation Guide for CDA Release 2

§ 170.205(k)(2) Errata to the HL7® Implementation Guide for CDA® Release 2: Quality Reporting Document Architecture—Category III, DSTU Release 1 (US Realm), September 2014

Paragraph (c)(3)(ii)

The standards will be specified by CMS in its regulations and program guidance. For more information, please reference CMS's QRDA page.

Resource Documents

Resource Document

- Privacy and Security Certification Companion Guide [PDF - 281 KB]
- 2015 Edition Network Time Protocol (NTP) [PDF - 157 KB]
- CHPL SED Guide [PDF - 690 KB]
- Master Table of Related and Required Criteria [PDF-251 KB]

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Standard(s) Referenced

Paragraph (c)(3)(i)

§ 170.205(h)(2) Health Level 7 (HL7®) CDA® Release 2 Implementation Guide for: Quality Reporting Document Architecture – Category I (QRDA I); Release 1, DSTU Release 3 (US Realm)), Volume 1

§ 170.205(k)(1) Quality Reporting Document Architecture (QRDA) Category III, Implementation Guide for CDA Release 2

§ 170.205(k)(2) Errata to the HL7® Implementation Guide for CDA® Release 2: Quality Reporting Document Architecture —Category III, DSTU Release 1 (US Realm), September 2014

Paragraph (c)(3)(ii)

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Testing

Testing Tool

Cypress

Please consult the Final Rule entitled: *2015 Edition Health Information Technology (Health IT) Certification Criteria, 2015 Edition Base Electronic Health Record (EHR) Definition, and ONC Health IT Certification Program Modifications* for a detailed description of the certification criterion with which these testing steps are associated. We also encourage developers to consult the Certification Companion Guide in tandem with the test procedure as they provide clarifications that may be useful for product development and testing.

Note: The order in which the test steps are listed reflects the sequence of the certification criterion and does not necessarily prescribe the order in which the test should take place.

Testing components

Gap				ONC Supplied Test Data

Paragraph (c)(3)(i)

System Under Test

QRDA Category III Report

1. The user can generate an aggregate report (QRDA Category III) with calculated summary data for the patient population of the clinical quality measures calculated in the Execute test (§ 170.315(c)(2)), which at a minimum is in accordance with the standard specified in § 170.205(k)(1) Quality Reporting Document Architecture Category III, Implementation Guide for CDA Release 2, and § 170.205(k)(2) Errata to the HL7® Implementation Guide for CDA® Release 2: Quality Reporting Document Architecture – Category III, DSTU Release 1.

QRDA Category I Report

2. A user can generate a de-duplicated archive of patient documents in the QRDA Category I format of the clinical quality measures calculated in the Execute test (§ 170.315(c)(2)), which at a minimum is in accordance with the standard specified in § 170.205(h)(2) HL7® CDA® R2 Implementation Guide: Quality Reporting Document Architecture – Category I (QRDA I); Release 1, DSTU Release 3, Volume 1.

Data File for Transmission

3. The health IT developer submits the quality measurement data file consisting of the data created by the generation of the QRDA Category III, aggregate report(s) and the de-duplicated QRDA Category I, report(s) for verification.

Test Lab Verification

Test Lab Setup

1. Prior to beginning this test, the tester creates and exports data using Cypress, and the health IT developer imports the data into their Health IT Module.

QRDA Category III Report

2. Using the Cypress supplied XML Schema validation, the tester:
   a. uploads the aggregate report(s) submitted by the health IT developer; and
   b. runs the Cypress supplied XML schema validation for each aggregate report.
3. The tester verifies all of the QRDA Category III aggregate report(s), submitted by the health IT developer are at a minimum in accordance with the standard specified at § 170.205(k)(1) and (2) through evaluation of the Cypress validation report.

QRDA Category I Report

4. The tester verifies all of the de-duplicated QRDA Category I report(s) submitted by the health IT developer are at a minimum in accordance with the standard specified at § 170.205(h)(2) through evaluation of the Cypress validation report.

Data File for Transmission

5. The tester verifies via visual inspection that the data file for transmission submitted with clinical quality measurement data includes both de-duplicated QRDA Category I and aggregate QRDA Category III report(s).

Paragraph (c)(3)(ii) ***Optional***

System Under Test

The QRDA reports created in paragraph (c)(3)(i) are validated using Cypress to validate they can be electronically accepted by CMS.

Test Lab Verification

The tester verifies the QRDA reports can be electronically submitted to CMS based on Cypress validation.

Content last reviewed on June 15, 2022