

2015 Edition §170.315(c)(3) Clinical Quality Measures – Report				
Testing Components:				
				ONC Supplied Test Data
Test Procedure Version 1.0 – Last Updated June 8, 2016				

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

Required Tests

(c)(3) 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).

Standard(s):

§ 170.205(k)(1) [Quality Reporting Document Architecture Category III, Implementation Guide for CDA Release 2](#) (incorporated by reference in § 170.299).

§ 170.205(k)(1) [Errata to the HL7 Implementation Guide for CDA® Release 2: Quality Reporting Document Architecture – Category III, DSTU Release 1 \(US Realm\)](#), September 2014 (incorporated by reference in § 170.299).

§ 170.205(h)(2) [HL7 CDA® R2 Implementation Guide: Quality Reporting Document Architecture – Category I \(QRDA I\)\); Release 1, DSTU Release 3 \(US Realm\)](#)), Volume 1 – Introductory Material and HL7 CDA® R2 Implementation Guide: Quality Reporting Document Architecture – Category I (QRDA I); Release 1, DSTU Release 3 (US Realm), Volume 2 – Templates and Supporting Material (incorporated by reference in § 170.299).

Test Tool: [Cypress Tool](#) (User Interface and the Cypress supplied XML Schema validation)

Test Data: [Cypress Test Data generated to match the submitted exported QRDA Category I files created during \(c\)\(1\)\(ii\), and generated QRDA Category I files created as a result of \(c\)\(2\)\(i\) Import of CQMs](#)

Criteria ¶	System Under Test	Test Lab Verification
(i)	<p><u>QRDA Category III Report</u></p> <p>1. The user can generate an aggregate report with calculated summary data for a specific patient population, in the QRDA Category III 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(k)(1) and (2), HL7 Implementation Guide for CDA® Release 2: Quality Reporting Document Architecture – Category III, DSTU Release 1 (US Realm) with September 2014 Errata.</p> <p><u>QRDA Category I Report</u></p> <p>2. A user can generate a de-duplicated report with raw data, 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) DSTU Release 3 (US Realm).</p> <p><u>Data File for Transmission</u></p> <p>3. The health IT developer submits the quality measurement data file consisting of the data created in steps 1 and 2 for verification.</p>	<p><u>Test Lab Setup</u></p> <p>1. Prior to beginning this test, the tester creates and exports data using the Cypress Test Tool User Interface, and the Health IT developer imports the data into their Health IT Module.</p> <p><u>QRDA Category III Report</u></p> <p>2. Using the Cypress Test Tool Cypress supplied XML Schema validation, the tester:</p> <ul style="list-style-type: none"> • uploads the aggregate report(s) submitted by the health IT developer; and • runs the Cypress supplied XML schema validation for each aggregate report. <p>3. The tester verifies that 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.</p> <p><u>QRDA Category I Report</u></p> <p>4. The tester verifies that 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 the evaluation the Cypress validation report.</p> <p><u>Data File for Transmission</u></p> <p>5. The tester verifies via visual inspection that the data file for transmission submitted in step 3 of the SUT of clinical quality measurement data includes both QRDA Category I and aggregated QRDA Category III report(s).</p>

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

Standard(s): No standards

Test Tool: [Cypress Tool](#)

Criteria ¶	System Under Test	Test Lab Verification
(ii) (Optional)	The QRDA reports created in step 1 are validated using the Cypress tool to validate they can be electronically accepted by CMS.	The tester verifies that the QRDA reports can be electronically submitted to CMS based on the Cypress Validation.

Document History

Version Number	Description of Change	Date
1.0	Final Test Procedure	June 8, 2016

Dependencies: For all related and required criteria, please refer to the [Master Table of Related and Required Criteria](#).