Health IT Certification Program
The Office of the National Coordinator for Health Information Technology

REAL WORLD TESTING PLAN TEMPLATE

GENERAL INFORMATION

Plan Report ID Number: hCQM 3.0 RWT 2021 v1

Developer Name: HCA Healthcare Information Technology and Services

Product Name(s):   hCQM

Version Number(s):   3.0

Certified Health IT

Product List (CHPL) ID(s): 15.04.04.2740.hCQM.03.00.0.171231

Developer Real World Testing Page URL:

  https://hcahealthcare.com/util/documents/onc-certification/**hcqm-onc-health-it-rwt-plan-2022.pdf**

JUSTIFICATION FOR REAL WORLD TESTING APPROACH

hCQM is a self-developed CQM Module application for use within the HCA Healthcare organization and is not made available for sale or use outside of HCA Healthcare Inc. The Quality Measurement and Reporting (QMR) team performs the centralized service of maintaining and executing the functions required in collecting, calculating, and reporting the CQM data. Reports from the CQM module are made available to all HCA Healthcare facility and division quality management staff, the corporate quality management, and executives.

The HCA Healthcare Inc. hCQM application's centralized service team will conduct Real World Testing (RWT) on the current version of the application to verify the accuracy of the data collection, calculation of outcomes, and creation of QRDA files.

STANDARDS UPDATES (INCLUDING STANDARDS VERSION ADVANCEMENT PROCESS-SVAP AND USCDI)

   CHPL ID: 15.04.04.2740.hCQM.03.00.0.171231

   Standards related to the updated eCQM specifications for 2022 reporting/performance:

● HQMF R1 Normative – HL7 Version 3 Standard: Representation of the Health Quality Measure Format (eMeasure) Release 1

● HL7 V3 CQL-based HQMF Implementation Guide R1 STU 4– HL7 Version 3 Implementation Guide: Clinical Quality Language (CQL)-based Health Quality Measure Format (HQMF), Release 1 - US Realm, Standard for Trial Use 4

● CQL R1 STU 4 – Clinical Quality Language Specification, Release 1 STU 4

● QRDA I R1 STU R5.2 – Quality Reporting Document Architecture - Category I Standard for Trial Use Release 5.2 (June 2020)

● QRDA III R1 STU R2.1 – Quality Reporting Document Architecture - Category III Standard for Trial Use Release 2.1 (June 2017)

● QDM v5.5 – Quality Data Model Version 5.5 Guidance Update

● CMS QRDA IGs – CMS Quality Reporting Document Architecture Implementation Guides (CMS QRDA I IG for Hospital Quality Reporting released in Spring 2021 for the 2022 reporting period, and CMS QRDA III IG v1 for Eligible Clinicians and Eligible Professionals

MEASURES USED IN OVERALL APPROACH

In the Acute Care Setting, the hCQM application will be measured for completeness of data collected, accuracy of measure calculation, and accuracy of QRDA documents generated for submission.

DESCRIPTION OF MEASUREMENT/METRIC

Measure/Metric: All records imported from EHR are stored in the CQM application and Outcomes are calculated correctly.

Criteria: 170.315 c.2 Import and Calculate

170.315 c.1 Record and Export

Scenario: Data from EHR's is imported and calculated weekly

Step 1: Scheduled job initiates import of records from EHR

Step 2: Records are process by measure algorithm engine; Outcomes are calculated and stored in the hCQM application database

Step 3: Error report is generated and emailed to User

Step 4: User validates there are no errors

Measurement/Metric: All files exported and submitted to CMS are accepted without errors.

    Criteria: 170.315 c.3 Report (Cures Update)

        170.315 c.1 Record and Export

    Scenario: User uploads exported QRDA I documents to CMS

        Step 1 – Initiate generation of QRDA I files from the hCQM application for a hospital for one quarter

        Step 2 – Navigate to CMS Hospital Quality Reporting site (hqr.cms.gov/hqrng…)

        Step 3 – Initiate File Upload process for Test Submission

        Step 4 – Navigate to Data Results page

        Step 5 - Download Error Report

        Step 6 – Verify all files have been accepted with no errors

ASSOCIATED CERTIFICATION CRITERIA

170.315 c.1 Record and Export

170.315 c.2 Import and Calculate

170.315 c.3 Report (Cures Update)

JUSTIFICATION FOR SELECTED MEASUREMENT/METRIC

The measurements were selected in accordance with the CMS and ONC requirements for capture, calculate, and reporting of Clinical Quality Measures.

CARE SETTING

Care Setting	Justification
Acute Care Inpatient Setting - Corporate Central Services	The corporate centralized service team is responsible for the maintenance, governance, and execution of the clinical quality measurement module.

EXPECTED OUTCOMES

The approaches taken in this Real World Testing plan will demonstrate the accuracy of:

- Data collection

- Calculated CQM Outcomes

- Generated QRDA I files for submission

SCHEDULE OF KEY MILESTONES

Key Milestone	Care Setting	Date/Timeframe
Complete Import and Calculate testing by end of 3Q 2023	Corporate Shared Services Department for Acute Care Services	3Q 2023
Generation of QRDA I Files for Submission testing cycle will occur during 4Q. Results will be reported at the end of the testing cycle.	Corporate Shared Services Department for Acute Care Services	4Q 2023

ATTESTATION

This Real World Testing plan is complete with all required elements, including measures that address all certification criteria and care settings.   All information in this plan is up to date and fully addresses the Health IT Developer's Real World Testing requirements.

Authorized Representative Name: Jeff Simmons

Authorized Representative Email: Jeff.Simmons@HCAHealthcare.com

Authorized Representative Phone: 615-344-6535

Authorized Representative Signature: *Jeff Simmons*

Date: 10/07/2021