Real World Test Plan: Measurement Year 2022

This document provides the Real World Testing – Test Plan for the measurement year 2022 for the CareDiscovery Electronic Quality Measures product.

General Information

1. **Plan Report ID Number**: [For ONC-Authorized Certification Body use only]:
2. **Developer Name**: Merative
3. **Product Name(s)**: CareDiscovery Electronic Quality Measures
4. **Version Number(s)**: 3.1
5. **Certified Health IT Product List (CHPL) ID**: 15.04.04.3001.Care.03.01.1.210322
6. **Developer Real World Testing Plan URL**: https://www.virtusa.com/solutions/clinical-quality-measures-reporting/carediscovery-electronic-quality-measures-cdeqm

Description & Justification of the approach to the testing

1. The Certified Health IT is an EHR Module used for electronic Clinical Quality Measures (eCQMs) reporting in the hospital inpatient setting. As such it is certified to only the eligible hospital eCQMs and is sold only to hospitals. For this reason, this Real World Testing plan will apply only to the hospital inpatient setting.
2. All the following certified criteria related to eCQMs will be tested simultaneously.
   a. Clinical Quality Measures
      i. 170.315(c)(1)—record and export
      ii. 170.315(c)(2)—import and calculate
      iii. 170.315(c)(3)—report

Standard Updates

The product was certified to the 2015 Edition Cures update in March 2021 using the standard versions approved by ONC in the 2015 Edition Cures update. Since then, the product has not been updated to use any newer standards. As such this section is not applicable for this test plan.

Item	Description
Standard (and version)	The standard versions used in the product are the ones approved for the 2015 Edition Cures update certification for QRDA CAT I formats (CMS Implementation Guide for Quality Reporting Document Architecture: Category I; Hospital Quality Reporting; Implementation Guide for the year being reported)
Date of ONC ACB notification	Not applicable
Date of customer notification	Not applicable

Care Settings

The CareDiscovery Electronic Quality Measures supports eCQMs only in the inpatient hospital care settings.

Overall Expected Outcomes (s)

Real World Testing will demonstrate that the Health IT Module is conformant to the following certification criteria:

1. **170.315(c)(1)— Clinical Quality Measures - record and export**
   a. Real World Testing will demonstrate that the Health IT module supports recording of the patient data uploaded by the client for calculation of the eCQMs
   b. Real World Testing will demonstrate that the Health IT module allows a user to export a data file formatted in accordance with the standard version of the CMS QRDA Category I IG for inpatient measures for the year being reported for one or multiple patients.

2. **170.315(c)(2)— Clinical Quality Measures - import and calculate**
   a. Real World Testing will demonstrate that the Health IT module allows a user to import a data file formatted in accordance with the standard version of the CMS QRDA Category I IG for inpatient measures for the year being reported.
   b. Real World Testing will demonstrate that the Health IT module supports calculation of the all the eCQMs based on the data imported into the product.

3. **170.315(c)(3)— Clinical Quality Measures – report**
   a. Real World Testing will demonstrate that the Health IT module enables a user to electronically create a data file for transmission of CQM data in accordance with the standard version of the CMS QRDA Category I IG for inpatient measures for the year being reported.

Schedule of Milestones

Key milestones	Timeframes
Initial development of the Real World Testing plan	September 2021
Finalization of the Real World Testing plan, and submission to ONC-ACB per ONC-ACB instruction	November 15, 2021
Development of candidate list of providers to assist with the Real World Testing	Q1, 2022
Development of software, if applicable for RWT	Q1, 2022
Real World Testing	Q2/Q3 2022
Analysis of the test results and report creation	Q4, 2022
Submission of the Real World Testing Results to ONC-ACB	January/February 2023

Real World Testing Methodology

1. **Type(s) of organizations and setting(s):** Hospitals - Inpatient setting
2. **Number of patient records:** Approximately 10 to 25 episodes or records across all measures selected by the clients
3. **System components and integrations:** Select clients so together they would cover all 9 eCQMs.
4. **Types of data exchange:** QRDA CAT I xml files
5. **Certification criteria measured**
    a. Clinical Quality Measures
        i. 170.315(c)(1)—record and export
        ii. 170.315(c)(2)—import and calculate
        iii. 170.315(c)(3)—report
6. **Health IT Modules addressed**
    a. CareDiscovery Electronic Quality Measures
        i. **CHPL ID: 15.04.04.3001.Care.03.01.1.210322**

Testing Environment

Testing will be conducted in the real production environment where clients upload real patient data for reporting to CMS.

Measurements/Metrics associated with Real World Testing

1. Clinical Quality Measures – To be tested and verified in the inpatient setting (hospitals)
   a. 170.315(c)(1)—record and export
      i. Hospitals to verify that all uploaded patient data has been recorded.
      ii. Review Manage Records > EOC Details report.
         1. Hospitals to be able to successfully export one or more patients in the QRDA CAT I xml file format using the standard version of the CMS QRDA Category I IG for inpatient measures for the year being reported.
            a. Verify the data elements in the Measure Categorization > EOC Details > Measure Data Criteria – this displays the data elements that are exported in the exported QRDA CAT I File.
            b. Generate QRDA CAT I for a single patient and multiple patients - Client to verify and confirm that they can generate single and multiple patients.
   b. 170.315(c)(2)—import and calculate
      i. Hospitals to be able to successfully upload (import) using MOVEIT (third party software included in the certification) their patient data into our certified product.
         1. Client gets their patient data (subset – e.g., one week of data) as QRDA CAT I file format from their EHR using the standard version of the CMS QRDA Category I IG for inpatient measures for the year being reported
         2. Client to upload the data into CDEQM using MOVEIT
         3. Client to verify all expected data was successfully imported into CDEQM – Data Quality Report & Manage Records
      ii. Hospitals to be able to review that the measures have been successfully calculated.
         1. Clients to verify that measures are successfully calculated using the following report -
            a. Measure Summary Report
   c. 170.315(c)(3)—report
      i. Hospitals to be able to successfully create a data file for transmission of CQM data in accordance with the standard version of the CMS QRDA Category I IG for inpatient measures for the year being reported.
         1. Use the Export functionality in the product to generate the QRDA CAT I report -
            a. Upload the exported QRDA CAT I file to the Schematron validator for CMS Implementation Guide for QRDA CAT I IG for inpatient measures for the year being reported to validate there are no "Errors".

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.

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