Indian Health Service (IHS)

Resource and Patient Management System | Electronic Health Record

**Clinical Quality Measures**

Real World Test Results & Report 2022

January 13, 2023

# Contents

## GENERAL INFORMATION

The information in this RWT results report is organized by specific criteria included in the **Clinical Quality Measures (CQMs)** category. This report contains sections, which explain/clarify how the RWT approach addressed each required element in the Real World Testing Plan. Use cases were executed by our Test sites utilizing the 2015 Resource and Patient Management System (RPMS) Electronic Health Record (EHR) at their respective care settings. Measures and metrics were gathered related to each use case scenario to demonstrate successful interoperability and use of the 2015 RPMS EHR.

| Plan Report ID Number: | 20211111IND |
|---|---|
| Developer Name: | The Indian Health Service |
| Product Name | Resource and Patient Management System Electronic Health Record (RPMS Suite (BCER)) |
| Version Number | BCER v6.1 (current), v4.1, v5.0 and v6.0 (previous) |
| Certified Health IT Product List (CHPL) ID | 15.02.05.1673.RPMS.01.04.1.220302 (current)<br>15.02.02.1673.A116.02.03.1.211001 (previous) |
| Developer Real World Testing Plan and Results Page URL | https://www.ihs.gov/promotinginteroperability/certificationoverview/real-world-testing/ |

The IHS has combined similar criterion that falls within the definition of this specific CQMs category, which include §170.315(c)(1) CQMs record and export, §170.315(c)(2) CQMs import and calculate and §170.315(c)(3) CQMs report.

## USE CASE 1 -3: Clinical Quality Measures

CQMs are tools that help measure and track the quality of health care services for eligible professionals (EPs), eligible hospitals provide, as generated by a provider's electronic health record (EHR). Measuring and reporting CQMs helps to ensure that our healthcare system is delivering effective, safe, efficient, patient-centered, equitable, and timely care.

| Use Case | Use Case Overview |
|---|---|
| Use Case 1 (§170.315(c)(1) CQM – Record and Export CQMs Ambulatory/Inpatient | User enters data through EHR and RPMS to document visit criteria based on the certified CQMs being tested. |
| Use Case 2 (§170.315(c)(2) CQM – Import and Calculate CQMs Ambulatory/Inpatient | Using the Health IT Module (ECQM), a user imports the QRDA CAT I reports. The Health IT Module calculates the aggregate report for ECQM and generates CAT III that can be exported. |
| Use Case 3 (§170.315(c)(3) CQM - Data File Creation Ambulatory/Inpatient | The user can generate an aggregate and individual patient report (QRDA Categories I/III) that are ready for submission. |

### SUMMARY OF TESTING METHODS AND KEY FINDINGS

The RWT Method was to execute the functions users perform to demonstrate interoperability for the following activities:

- (c)(1) Record. For each and every CQM for which the technology is presented for certification, the technology must be able to record all of the data that would be necessary to calculate each CQM.
- (c)(1) Export. A user must be able to export a data file at any time the user chooses.
- (c)(2) Import. Enable a user to import a data file for one or multiple patients.
- (c)(2) Calculate each and every clinical quality measure.
- (c)(3) Enable a user to electronically create a data report file for transmission of clinical quality measurement data.

System logs were reviewed to determine the frequency and transport mechanism used by providers for recording and exporting CQMs. These system logs were used to validate the proper operation of the transport mechanisms and for the calculation of the metric. The RWT methodology demonstrated conformance of the system. As part of the RWT effort for CY 2022, no non-conformities were discovered for this criterion.

**STANDARDS UPDATES (INCLUDING STANDARDS VERSION ADVANCEMENT PROCESS (SVAP) AND UNITED STATES CORE DATA FOR INTEROPERABILITY (USCDI)**

This criterion was certified with voluntary SVAP or USCDI standards.

| | |
|---|---|
| **Standard (and version)** | CMS QRDA Category I HQR specified in §170.205(h)(3) - v1.0; Implementation Guide for 2021<br>CMS QRDA Category III EC & EP specified in §170.205(k)(3) – v1.1; Implementation Guide 2021 |
| **Updated certification criteria and associated product** | §170.315(c)(3) - Clinical quality measures (CQMs) — report |
| **CHPL Product Number** | 15.02.05.1673.RPMS.01.04.1.220302 |
| **Conformance measure** | Measure 3: §170.315(c)(3) Data File Creation |

**CARE SETTING(S)**

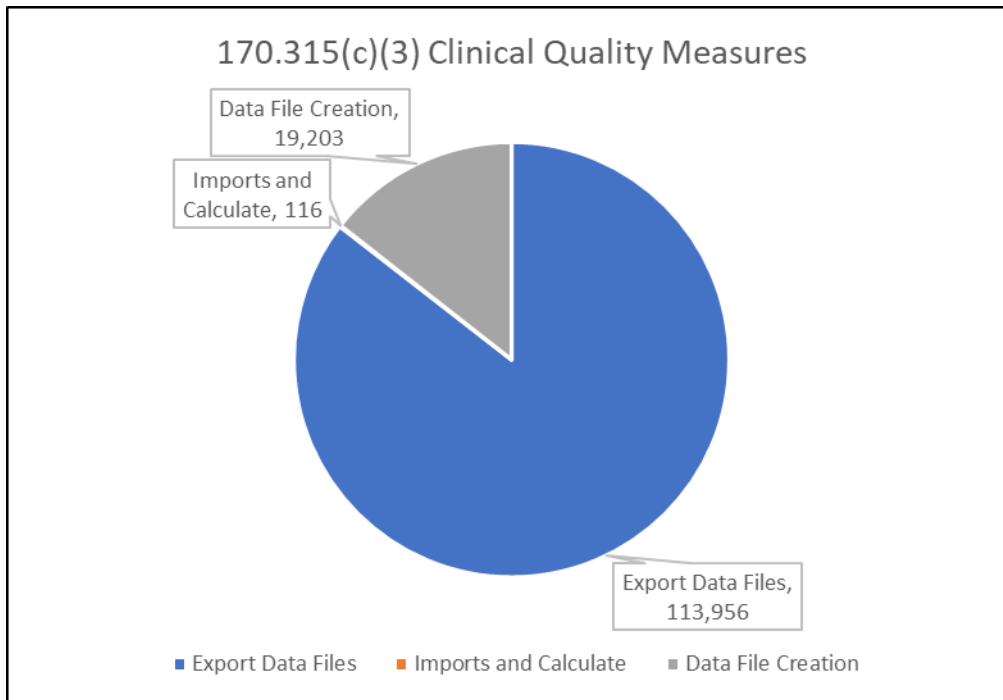| |
|---|
| This criterion was tested for both ambulatory and inpatient settings. The testing was done to obtain metrics that included interoperability for both settings. |

**METRICS AND OUTCOMES**

IHS is a Federal Health IT developer that serves Federal, Tribal, and Urban Health Care facilities. Deployment and implementation of the certified 2015 RPMS EHR is verified utilizing IHS Certified Electronic Record Checker (BCER). The verification of either BCER v4.1, 5.0 or 6.0 ensures that our volunteered testing facilities are:

1. Compliant with the certification criteria, including the required technical standards and vocabulary code sets;
2. Exchanging electronic health information (EHI) in the care and practice settings for which it is marketed for use; and/or,
3. EHI is received by and used in the certified health IT.

| Measurement /Metric | Associated Criterion(a) | Relied Upon Software | Outcomes | Challenges Encountered |
|---|---|---|---|---|
| Measure 1: §170.315(c)(1) Record and Export CQMs | §170.315(c)(1) Record and Export CQMs<br><br>(i) Record all data necessary to calculate CQMs<br><br>(ii) Export Data file | N/A | 113,956 export files were created and formatted per QRDA standards.<br><br>Two sites participated representing both ambulatory and inpatient settings. | N/A |
| Measure 2: §170.315(c)(2) Import and Calculate CQMs | §170.315(c)(2) Import and Calculate CQMs<br><br>(i) Import a data file<br>(ii) Calculation of CQMs | N/A | 116 imports were successfully processed per QRDA Standards and successfully displayed calculations of selected CQMs. | N/A |

| Measurement /Metric | Associated Criterion(a) | Relied Upon Software | Outcomes | Challenges Encountered |
|---|---|---|---|---|
| Measure 3: §170.315(c)(3) Data File Creation | §170.315(c)(3) Data File Creation<br><br>(i) Creation of Data file | N/A | 19,203 data files were electronically generated per QRDA standards for successful transmission. | N/A |

Chart 1: Clinical Quality Measures

**KEY MILESTONES**

Real World Testing Key Milestones were met as indicated below.

| Key Milestone | Care Setting | Date/Timeframe |
|---|---|---|
| Initial outreach for site participation. | Ambulatory/Inpatient | October 15, 2021 |
| Release of documentation for the Real World Testing to be provided to authorized representatives/participants and providers. This includes surveys, specific instructions on what to look for, how to record issues encountered, and Customer Agreements. | Ambulatory/Inpatient | December 15, 2021 |
| Begin collection of information as laid out by the plan for the period. | Ambulatory/Inpatient | January 5, 2022 |
| Planned System updates to allow for collection of data any updates. | Ambulatory/Inpatient | Quarterly, 2022, as needed |
| Follow-up with authorized representatives/participants and providers on a regular basis to understand any issues arising with the data collection. | Ambulatory/Inpatient | Quarterly, 2022 |
| End of Real World Testing period/participants submit final collection of all data for analysis as real-world testing results to IHS. | Ambulatory/Inpatient | December 31, 2022 |
| Analysis and Real World Testing result report creation. | Ambulatory/Inpatient | January 12, 2023 |
| Real World Testing results submission to ACB. | Ambulatory/Inpatient | January 15, 2023 |

**ATTESTATION**

This Real World Testing Results Report is complete with all required elements, including measures and outcomes that address all certification criteria and care settings. All information in this report is up to date and fully addresses the health IT developer's Real World Testing requirements.

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March 6th, 2023
Date: _____