Indian Health Service (IHS)

Resource and Patient Management System | Electronic Health Record

Clinical Quality Measures

Real World Test Results & Report 2023

January 30, 2024

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:	20221025IND - 02
Developer Name:	The Indian Health Service
Product Name	Resource and Patient Management System Electronic Health Record
Version Number	BCER v7.0 (current), v6.0 (previous)
Certified Health IT Product List (CHPL) ID	15.02.05.1673.RPMS.01.04.1.220302
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 includes §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 that eligible professionals (EPs) and eligible hospitals (EHs) provide and are 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 2023, 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)	170.205(h)(3) 2023 "CMS Implementation Guide for Quality Reporting Document Architecture: Category I; Hospital Quality Reporting; Implementation Guide for 2023 CMS Implementation Guide for Quality Reporting Document Architecture: Category I; Hospital Quality Reporting; Implementation Guide for 2023" (Current) 170.205(k)(3) 2023 "CMS Implementation Guide for Quality Reporting Document Architecture: Category III; Eligible Clinicians and Eligible Professionals Programs; Implementation Guide for 2023" (Current) CMS QRDA Category I HQR specified in §170.205(h)(3) - v1.0; Implementation Guide for 2022 (Previous) CMS QRDA Category III EC & EP specified in §170.205(k)(3) – v1.1; Implementation Guide 2022 (Previous)
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)

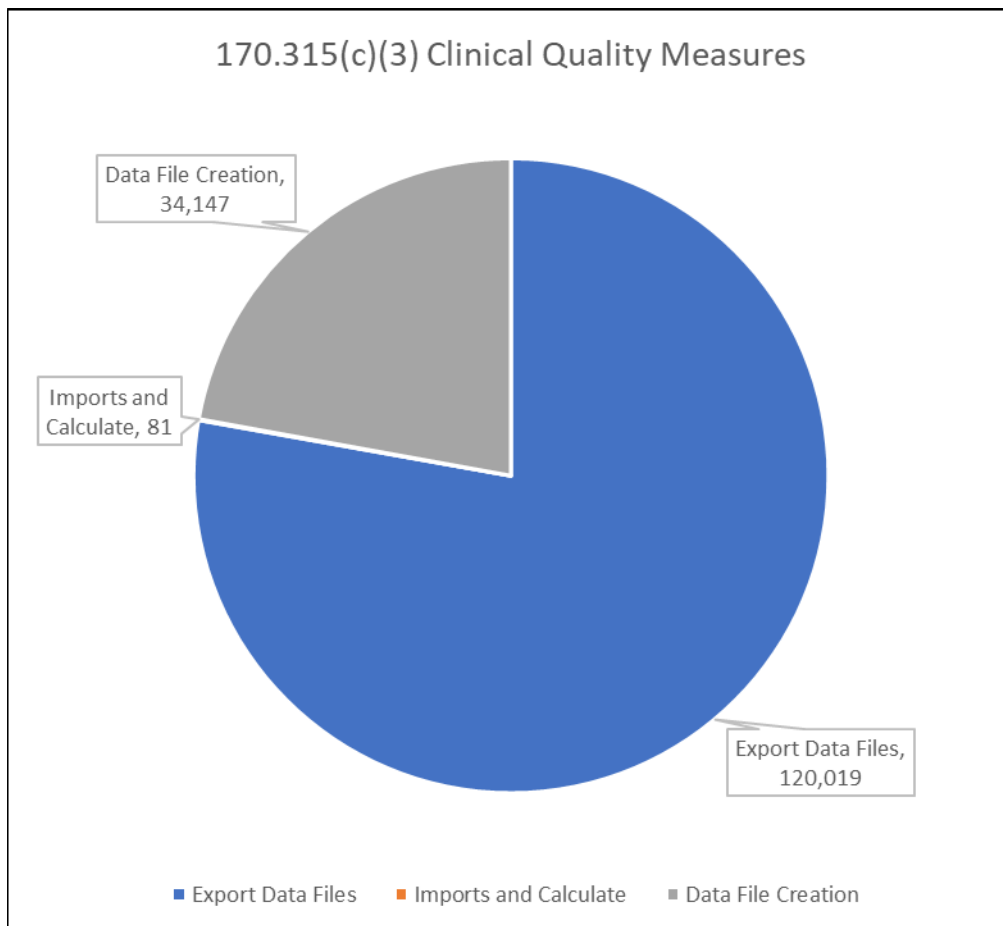| |
|---|
| This criterion was tested for both ambulatory and inpatient settings. The testing was done to obtain metrics that included interoperability for both settings. |

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 v6.0, 6.1, or 6.2 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 (i) Record all data necessary to	N/A	120,019 export files were created and formatted per QRDA standards. Two sites participated representing	N/A

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Measurement /Metric	Associated Criterion(a)	Relied Upon Software	Outcomes	Challenges Encountered
	calculate CQMs (ii) Export Data file		both ambulatory and inpatient settings.	
Measure 2: §170.315(c)(2) Import and Calculate CQMs	§170.315(c)(2) Import and Calculate CQMs (i) Import a data file (ii) Calculation of CQMs	N/A	81 imports were successfully processed per QRDA Standards and successfully displayed calculations of selected CQMs.	N/A
Measure 3: §170.315(c)(3) Data File Creation	§170.315(c)(3) Data File Creation (i) Creation of Data file	N/A	34,147 data files were electronically generated per QRDA standards for successful transmission.	N/A

Chart 1: Clinical Quality Measures

170.315(c)(3) Clinical Quality Measures

Data File Creation, 34,147

Imports and Calculate, 81

Export Data Files, 120,019

■ Export Data Files ■ Imports and Calculate ■ Data File Creation

KEY MILESTONES

Real World Testing Key Milestones were met as indicated below.

Key Milestone	Care Setting	Date/Timeframe
Outreach and communication to obtain site participation and commitment	Ambulatory/Inpatient	Quarter 1, 2023
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	Quarter 2, 2023
Begin data collection of Real-World Testing Results	Ambulatory/Inpatient	Quarterly, 2023
Follow-up with authorized representatives/participants and providers on a regular basis to understand any issues arising with the data collection.	Ambulatory/Inpatient	Quarterly, 2023
End of Real-World Testing period/participants submit final collection of all data for analysis as real-world testing results to IHS.	Ambulatory/Inpatient	Quarter 4, 2023
Analysis and real-world testing results report creation.	Ambulatory/Inpatient	January 12, 2024
Real-world testing results submission to ACB	Ambulatory/Inpatient	February 06, 2024

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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