

Product Analytics on Demand
 Developer Iatric Systems, Inc
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 Real-World Testing URL <https://new.iatric.com/real-world-testing>

Real World Testing Plan Report ID, Analytics on Demand: 20211203iat-1

Changes to the Original Plan

| Summary of Change | Reason | Impact |
|-------------------|---|---|
| Testing period | To review and track quality measures with specification updates and updates made within our customers' EHR, the monitoring period expanded into 2022-Q4 | Provided additional opportunities and time for customer/dev partners to make updates within their EHR as needed. Did not impact the overall testing plan. |
| | | |

Summary of Testing Method(s) and Key Findings

This document provides the iatricSystems Analytics on Demand, Clinical Quality Measure module for 2022 Real World Test (RWT) results. The overall expected outcome was to validate conformance to criteria 170.315 (c)(1) record and export, 170.315(c)(2) import and calculate, and 170.315(c)(3) report patient health data in the required file format for reporting measure data under 2015 Certified Edition software standards.

This RWT Plan was executed during Q2 through Q4 2022. It was found that customers were not utilizing the module fully based on their participation with the CMS Medicare Promoting Interoperability program utilizing the ability to report zero declaration measure data, utilizing their EMR vendor technology for reporting directly from their system versus the application, and/or if obtaining targeted hardships which would alleviate the burden of reporting. When there was no data available for specific measures or measures, the dashboard and reports would not display the measure as expected. If the customer had no patient data to support a measure or measures, then there would be no data to test.

Lastly, customer systems were confirmed to include sentinel-type software so that we can monitor for issues such as services not being active (data/files/messages, etc. not loading due to software not being active).

Real-World Testing criteria:

- 170.315 (c)(1): Clinical Quality Measures - Record and Export
- 170.315 (c)(2): Clinical Quality Measures - Import and Calculate
- 170.315 (c)(3): Clinical Quality Measures - Report

| Short Name | Measure Name |
|---------------------|---|
| ED-2 | Median Admit Decision Time to ED Departure Time for Admitted Patients |
| PC-05 | Exclusive Breast Milk Feeding |
| STK-2 | Discharged on Antithrombotic Therapy |
| STK-3 | Anticoagulation Therapy for Atrial Fibrillation/Flutter |
| STK-5 | Antithrombotic Therapy by the End of Hospital Day 2 |
| STK-6 | Discharged on Statin Medication |
| VTE-1 | Venous Thromboembolism Prophylaxis |
| VTE-2 | Intensive Care Unit Venous Thromboembolism Prophylaxis |
| Safe Use of Opioids | Safe Use of Opioids – Concurrent Prescribing |

| Measurement/Metric | Associated Criterion(a) | Outcomes | Challenges Encountered |
|--|---|--|------------------------|
| Measure 1: CQM record and export. Recorded necessary data and calculated quality measures. And, exported quality measure data files in QRDA 1 format for one or more patients that included the data captured for calculation. | 170.315(c)(1) Record data and export | Data extracted from EHR to test record measure data for the ability to export single and multiple patients. In addition, customer live applications pull in test data to test multiple measures with the ability to clear data as needed. The customer test system is a copy of life that also pulls from live to test and compare. The customer did not use the application for an annual report to CMS. | None |
| Measure 2: CQM import and calculate. Imported necessary data and calculated each quality measure. | 170.315 (c)(2) Import data and calculate | Imported data from customer systems to calculate and display data based on the quality measure data available from their data files/system. The customer did not have their medical record system updated for all measures. Measure data displayed measure, measure stats, and patient detail. Customer application live and test application connected to live medical record system. Confirmed system imported data successfully and calculated measures as expected. Measure detail available to support measure calculated results displayed. Data imported can be cleared and pulled as needed by the customer. | None |
| Measure 3: CQM report. Create a CQM report file for the transmission of clinical quality measurement data in QRDA I format. | 170.315 (c)(3) Report | Found that customers are not utilizing the report feature within the application for their annual attestation submission to CMS or transmission needs. Application ability was tested further utilizing the customer test system (live application for testing) which pulls from their life. with testing, data to confirm successful file creation for transmission utilizing Cypress test site and own development sandbox. | None |

Testing results indicate measures most widely utilized for monitoring/tracking as seen below. Measures updated and calculate as seen below based on the measures chosen to track/monitor/report. Measures were updated as clinical quality data was received and calculated for dashboard/report display.

CQM - Patient Detail Proportional

CQM - Performance Continuous / CQM - Patient Detail Proportio...

Facility and patient information obscured

CQM - Patient Detail Proportional

Proportional Measure Summary

| CMS ID | MeasureName | IPP | Den | Den Exclusion | Den Exception | Numerator | Percentage |
|--------|--|-----|-----|---------------|---------------|-----------|------------|
| | Discharged on Antithrombotic Therapy Stratification: 0 | 20 | 20 | 0 | 0 | 12 | 60.00% |
| | Discharged on Antithrombotic Therapy: 0 Stratification: 0 | 9 | 9 | 0 | 0 | 9 | 100.00% |
| | Discharged on Statin Medication Stratification: 0 | 20 | 20 | 0 | 0 | 8 | 40.00% |
| | Discharged on Statin Medication: 0 Stratification: 0 | 9 | 9 | 0 | 0 | 8 | 88.89% |
| | Anticoagulation Therapy for Atrial Fibrillation/Flutter Stratification: 0 | 20 | 7 | 0 | 0 | 3 | 42.86% |
| | Anticoagulation Therapy for Atrial Fibrillation/Flutter: 0 Stratification: 0 | 9 | 1 | 0 | 0 | 1 | 100.00% |
| | Antithrombotic Therapy By End of Hospital Day 2 Stratification: 0 | 20 | 20 | 5 | 0 | 4 | 26.67% |

Patient Detail

| Primary Encounter | Patient ID | Effective... | Last N... | Firs... | IPP | Den | Den Excl... | Den Exce... | Numer... | Percent... |
|-------------------|------------|--------------|-----------|---------|-----|-----|-------------|-------------|----------|------------|
| | | | | | 1 | 1 | 0 | 0 | 1 | 100.00% |
| | | | | | 1 | 1 | 0 | 0 | 1 | 100.00% |
| | | | | | 1 | 1 | 0 | 0 | 1 | 100.00% |

- (c)(1) Clinical Quality Measures (CQMs) - Record and Export
- (c)(2) Clinical Quality Measures (CQMs) - Import and Calculate
- (c)(3) Clinical Quality Measures (CQMs) – Report

Measure data was successfully imported and calculated for monitoring as needed. However, no indication of the user(s) utilizing the export functionality to report measure data for their participation in the CMS-PI program. And, the export capability was enabled without the need for us, the vendor, to intervene.

Standards and Updates

NA

Care Setting (list each care setting that was tested)

Hospital care setting.

Relied Upon Software

N/A

KEY MILESTONES

Initial Real-World Testing was initiated during the 2022-Quarter 1 period.
Data collection and monitoring occurred 2022-Quarter 2-Quarter 4 (expanded to Q4 in attempts to gather additional customer progress).

Authorized Representative

Name: Amy McKee

Email: amy.mckee@iatric.com

Phone: (978) 804-4100, x84047

