



DSS Juno CQMsolution 22 Test Plan

CHPL # 15.04.04.2925.JCQM.02.04.0.220817

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Clinical Quality Measures

Passed

- 170.315(c)(1) – record and import
- 170.315(c)(2) – import and calculate
- 170.315(c)(3) – report



Criteria:	Care Setting:	Measurement Period:	Date:	Key Milestones:
Clinical Quality Measures				
§ 170.315(c)(1) – record and import § 170.315(c)(2) – import and calculate § 170.315(c)(3) – report	Inpatient	7/1/2023 – 9/30/2023	Start test plan execution: July, 2023 November, 2023 November, 2023 December, 2023	<input type="checkbox"/> Based on historical data, select the most popular eCQMs <input type="checkbox"/> The file should upload and be accepted by the environment without error <input type="checkbox"/> The file should upload and be accepted by the environment without error. <input type="checkbox"/> All populations of all measures should match



Table of Contents	Associated Certification Criteria: § 170.315(c)(1) – Clinical quality measures (CQMs) – record and export § 170.315(c)(2) – Clinical quality measures (CQMs) – import and calculate § 170.315(c)(3) – Clinical quality measures (CQMs) – report		
	Measure Description: - Capture and record electronic clinical quality measures (eCQM) data in EHR (or trading partner's EHR) for calculating eCQMs. - Electronically create a data file for transmission of CQM data in accordance with the CMD QRDA Category I IG for the inpatient measures as adopted in 170.205(h)(3) and CMS QRDA Category III IG for ambulatory measures as adopted in 170.205(k)(3).	Justification: We chose to concentrate on the aspects of this criterion that would closely follow the actual activities of Dynamic Health IT users with respect to the eCQM calculation and output: 1) Run quality measure reports and display results on Dashboard to compare with industry-standard benchmarks and with prior/expected performance. 2a) Generate eCQM output for PI/IQR (universal eCQM reporting program for hospitals) and ensure that it can be successfully uploaded to the PI/IQR website. 2b) Generate eCQM output for MIPS (the most widely-used eCQM reporting program for ambulatory) and ensure that it can be successfully uploaded to the Quality Payment Program (QPP) website. 3a) Verify that CQMsolution is a product that can support hospital quality reporting needs. 3b) Verify that CQMsolution is a product that can support MIPS participants in achieving an end-to-end reporting bonus.	
	Metric Description: 1) 100 percent matching data elements in CQMsolution vs EHR. This will be confirmed by visual validation of the following data: - Demographics - Problems - Medications - Allergies 2) 100 percent matching calculation results in CQMsolution vs submission environment 3) 0 percent of files uploaded to submission environment result in errors	Standards Implemented (SVAP): 1) HL7 CDA R2 Implementation Guide: Quality Reporting Document Architecture – Category I (QRDA 1); Release 1, DSTU Release 3 (US Realm), Volume 1 – Introductory Material, June 2015 2) HL7 CDA R2 Implementation Guide: Quality Reporting Document Architecture – Category 1 (QRDA 1); Release 1, DSTU Release 3 (US Realm), Volume 2 – Templates and Supporting Material, June 2015	
	Developer Info: DYNAMIC HEALTH IT, INC 320 Monticello Ave. New Orleans, LA 70121 504.309.9103 Care Settings: CQMsolution is used for eCQM submission in both ambulatory and inpatient environments, however this test plan accounts for Inpatient settings only.	Product Info: Product Name: Juno CQMsolution Product Version: 22 CHPL ID: 15.04.04.2925.JCQM.02.04.0.220817	Methods Use to Demonstrate Interoperability: 1) Visual inspection and matching of QRDA I data to EHR data 2) Matching of calculation results from CQMsolution to CMS 3) API Sandbox testing with CMS for file acceptance



Test Step:	Testing Procedure:	Expected Outcomes:	Key Milestone Date:	Key Milestones:	Outcome:	Comment(s)
* Inpatient Setting						
1i	Identify Trading Partner (TP) and coordinate with TP for calculating and reporting electronic clinical quality measures (eCQMs) using production data as described in the RWT Plan. Note: Juno CQMsolution 22 does not currently have any active customers, therefore a test environment that mirrors the organization's production environment will need to be used.	- Confirm ability to calculate and report eCQMs - Confirm whether test data or production data will be used, whether in an actual live environment or a copy of a live environment	Start test plan execution: July, 2023	<input type="checkbox"/>		
2i	Identify four EH (Eligible Hospital) eCQMs for RWT.	Based on historical data, select the most popular eCQMs.				
3i	Identify a one calendar quarter reporting period with adequate patient data for reporting.	Admins with sufficient familiarity with the hospital's clinical activities should be able to choose a period with an appropriate amount of quality data.				
4i	Capture and record clinical quality measure (CQM) data in Trading Partner's (TP) EHR. Since manual data entry for an adequate quantity of data would be onerous, we will use actual patient data if possible. If TP is integrated with CQMsolution, CQMsolution will capture data through a SQL query, so that when a user runs a CQM report, CQMsolution pulls data directly from the TP's database.	Data ready for report generation				
5i	Correctly calculate numerator, denominator, exclusion and exception values for selected eCQMs.	The CQMsolution report should complete with no errors. Use Patient List to check which categories Initial Patient Population (IPP), Denominator (Den), Exclusions (Excl), Numerator (Num) or Exceptions (Excp) each patient falls into.				
6i	Spot-check 10 patients for each measure, ensuring that some are in	For each spot-check patient, use the drill-down to confirm that the patient data in				



	the denominator only, some are in the numerator and denominator and, if possible, some are exclusions or exceptions.	CQMsolution (encounters, codes, demographics) matches the patient data in the EHR and that the patient is correctly categorized in CQMsolution.				
7i	Upload the generated zip files containing the HQR_PI_IQR QRDA I files to the HQR website test environment.	The file should upload and be accepted by the environment without error.	November, 2023	<input type="checkbox"/>		
8	Check the submission environment's measure calculation results and compare them to CQMsolution's calculation results.	All populations of all measures should match.	November, 2023	<input type="checkbox"/>		
9	Calculate and compile metrics		December, 2023	<input type="checkbox"/>		

Attestation:
This Real World Test 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 address the Health IT Developer's Real World Testing requirements.

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 Date: 10/31/2022

