REAL WORLD TESTING PLAN

GENERAL INFORMATION

Plan Report ID Number	20241010ope
Developer Name	OpenEMR Foundation
Product Name(s)	OpenEMR
Version Number(s)	7.0
Certified Health IT Product List (CHPL) ID(s)	15.05.05.3115.OPEN.01.00.1.220708
Developer Real World Testing Plan Page URL	https://www.open-emr.org/wiki/index.php/Real_World_Testing_Plan

JUSTIFICATION FOR REAL WORLD TESTING APPROACH

OpenEMR is an open source electronic health records and medical practice management software package that is used in the ambulatory primary/specialty care and behavioral health care settings. OpenEMR will utilize Real World Testing to demonstrate interoperability and functionality in real world settings and scenarios. OpenEMR Foundation will develop a reporting algorithm that will calculate Real World Testing metrics from real world data by analyzing the activity logs. This reporting algorithm will calculate the Real World Testing metrics for the pertinent ONC criteria that are required for OpenEMR's Real World Testing. These metric results will then determine and ensure successful Real World Testing while also providing insights that can be used to improve compliance and improve OpenEMR. The OpenEMR users will run this report algorithm and submit the results to the OpenEMR Foundation.

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

Standard (and version)	Not applicable
Updated certification criteria and associated product	Not applicable
Health IT Module CHPL ID	Not applicable
Date of ONC ACB notification	Not applicable
Date of customer notification	Not applicable
Conformance method and measurements/metric(s)	Not applicable

MEASURES USED IN OVERALL APPROACH

Description of Measurement/Metric

Measurement/Metric	Description
Metric 1	Number of generated CCDA documents.
Metric 2 Set	Number of Direct messages sent and received.
Metric 3	Number of QRDA imports.
Metric 4	Number of generated CQM QRDA 3 reports.
Metric 5 Set	API use analytics, which will include number of successful requests, number of unsuccessful requests, number of requests by patients, number of requests by users, and number of requests categorized by each data category.
Metric 6	Number of Electronic Health Information (EHI) exports.

Associated Certification Criteria

Measurement/Metric	Associated Certification Criteria	Relied Upon Software (if applicable)
Metric 1	170.315(b)(1) 170.315(g)(9)	EMR Direct Interoperability Engine 2017
Metric 2 Set	170.315(h)(1)	EMR Direct Interoperability Engine 2017
Metric 3	170.315(c)(1) 170.315(c)(2)	
Metric 4	170.315(c)(3)	
Metric 5 Set	170.315(g)(7) 170.315(g)(9) 170.315(g)(10)	
Metric 6	170.315(b)(10)	

Justification for Selected Measurement/Metric

Measurement/Metric	Justification
Metric 1	Metric 1 will calculate the total number of generated CCDA documents requested by authorized users within OpenEMR's graphical user interface and the API, which will ensure real world use of certification criteria 170.315(b)(1)-(iii) and 170.315(g)(9)-(i) respectively.
Metric 2 Set	Metric 2 will calculate the total number of sent and received Direct messages, which will ensure real world use of certification criteria 170.315(h)(1).
Metric 3	Metric 3 will calculate the total number of imported QRDA documents, which will ensure real world use of certification criteria 170.315(c)(1)-(i) and 170.315(c)(2)-(i).
Metric 4	Metric 4 will calculate the total number of exported CQM QRDA 3 reports, which will ensure real world use of certification criteria 170.315(c)(3)-(i).
Metric 5 Set	Metric 5 will calculate the number of successful API requests, number of unsuccessful API requests, number of API requests by authorized patients, number of API requests by authorized users, and number of API requests categorized by each data category. These API analytics will ensure real world use of certification criteria 170.315(g)(7)-(i), 170.315(g)(9)-(i) and 170.315(g)(10)-(i).
Metric 6	Metric 6 will calculate the total number of Electronic Health Information (EHI) exports, which will ensure real world use of certification criteria 170.315(b)(10).

Care Setting(s)

Care Setting	Justification
Primary/Specialty Care	OpenEMR is predominantly used in the ambulatory primary and specialty care setting.
Behavioral Health Care	OpenEMR is also used in the behavioral health care setting. The Real World Testing plan is not different in this setting and the Real World Testing results are expected to be the same as the ambulatory primary and speciality care setting.

Expected Outcomes

Measurement/Metric	Expected Outcomes
Metric 1	We expect practices to successfully generate CCDA documents both within the OpenEMR graphical user interface and over the API. The actual number of generated CCDA documents will be dependent on the size and workflow of the practice. Our expectation will be met if at least ten generated CCDA documents per year. We do not expect differences between the Primary/Specialty Care setting and Behavioral Health Care setting.
Metric 2 Set	We expect users to successfully send and receive Direct messages. The actual number of Direct messages will be dependent on the size and workflow of the practice. Our expectation will be met if at least five Direct messages per year. We do not expect differences between the Primary/Specialty Care setting and Behavioral Health Care setting.
Metric 3	We do not expect a significant number of QRDA imports since this is not part of a typical workflow for the Primary/Specialty Care or the Behavioral Health Care setting. There will likely just be an occasional QRDA import that will be related to user clinical training in OpenEMR.
Metric 4	We expect at least 1 CQM QRDA 3 report per provider per year. The actual number of created reports will be dependent on the number of providers and workflow of the practice. Our expectation will be met if at least one report per year. We do not expect differences between the Primary/Specialty Care setting and Behavioral Health Care setting.
Metric 5 Set	We expect API requests from patients and users across a broad range of data categories. The actual number of API requests will be dependent on the size and workflow of the practice. Our expectation will be met if at least twenty API requests per year. We do not expect differences between the Primary/Specialty Care setting and Behavioral Health Care setting.
Metric 6	We expect practices to successfully generate Electronic Health Information (EHI) exports. The actual number of Electronic Health Information (EHI) exports will be dependent on the size and workflow of the practice. Our expectation will be met if at least ten Electronic Health Information (EHI) exports per year. We do not expect differences between the Primary/Specialty Care setting and Behavioral Health Care setting.

SCHEDULE OF KEY MILESTONES

Key Milestone	Care Setting	Date/Timeframe
Build 2025 Real World Testing reporting tool and release in patch.	Primary/Specialty Care Behavioral Health Care	December 2024
Announce to OpenEMR users plan for use of the 2025 Real World Testing reporting tool.	Primary/Specialty Care Behavioral Health Care	January 2025
OpenEMR users start collecting 2025 Real World Testing data.	Primary/Specialty Care Behavioral Health Care	April 1, 2025
OpenEMR users stop collecting 2025 Real World Testing data.	Primary/Specialty Care Behavioral Health Care	September 30, 2025
Collect the 2025 Real World Testing report results from OpenEMR users.	Primary/Specialty Care Behavioral Health Care	October - December 2025
Submit the 2025 Real World Testing results to the testing body.	Primary/Specialty Care Behavioral Health Care	January 15, 2026

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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