



REAL WORLD TESTING RESULTS REPORT 2025

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GENERAL INFORMATION

Developer Name: **Medi-EHR, LLC**

Product Name(s): **Medi-EHR**

Version Number(s): **2.1**

Certified Health IT Product List Product Number: **15.02.05.2979.MEDI.01.01.1.220215**

Developer Real World Testing Plan & Results Page URL: <https://medi-ehr.com/rwt/>

Plan Report ID: **20241120meh**

CHANGES TO ORIGINAL PLAN

Summary of Change	Reason	Impact
Use Cases 1 through 8 have been excluded.	Following the updated Real World Testing (RWT) results reporting requirements, all optional criteria have been omitted.	Only Use Case 9—which covers (g)(7), (g)(9), and (g)(10)—is included in this report.
Performed Synthetic testing for Use Case 9 as it had no utilization in production environment	Up on analyzing the system logs in production environment, no utilization for Use Case 9 was observed.	Functionality had to be tested using synthetic data and validated via test tools.

Table 1: Changes to Original Plan

JUSTIFICATION FOR REAL WORLD TESTING APPROACH

As per ONC, the objective of real world testing is to verify the extent to which certified health IT deployed in operational production settings is demonstrating continued compliance to certification criteria and functioning with the intended use cases as part of the overall maintenance of a health IT's certification.

Medi-EHR's goal with RWT is to put the objective defined by ONC into practice. We will plan on achieving this goal by leveraging our system logs to monitor real world use of our certified technology. This would ensure that our users perform their day to day actions in an unbiased setting, and results of the testing reflect actual utilization of different certified criteria.

CARE SETTINGS

Medi-EHR is marketed and sold in the following care settings:

- Physician's Office
- Behavioral Health
- Ambulatory Surgical Centers

Testing was carried out in all the care settings mentioned above.

STANDARDS UPDATES (INCLUDING STANDARDS VERSION ADVANCEMENT PROCESS (SVAP))

Product does not include any voluntary SVAP standards updates

MEASURES USED IN OVERALL APPROACH

<i>Measure</i>	<i>Description</i>
Access	<i>This metric will demonstrate our system's ability to make the stored PHI available on demand.</i>

Table 2: Measure descriptions

ASSOCIATED CERTIFICATION CRITERIA

<i>Measurement/Metric</i>	<i>Associated Certification Criteria</i>
Access	170.315 (g)(7): Application Access - Patient Selection 170.315 (g)(9): Application Access - All Data Request 170.315 (g)(10): Standardized API for Patient and Population Services

Table 3: Measure to Certified Criteria Mapping

SUMMARY OF TESTING METHODS AND KEY FINDINGS

Medi-EHR, unlike some of its competitors, offers its clients fully customizable systems. Therefore, as compared to other large-scale EHRs, Medi-EHR has a smaller pool of clients to monitor. During the testing period, (g)(7), (g)(9), and (g)(10) capabilities were not utilized by any third-party applications in production due to a lack of market demand. As a result, no records were found for these monitored criteria.

METRICS & OUTCOMES

In order to maintain the coherence and context of the related test plan, which was formulated based on the "Use Case" perspective rather than criteria, the results presented below will follow the same format.

USE CASE 9

Authorized vendors or software partners should be able to consume these API's per the certification criteria listed

Certification Criteria:

- 170.315 (g)(7): Application Access - Patient Selection
- 170.315 (g)(9): Application Access - All Data Request
- 170.315 (g)(10): Standardized API for Patient and Population Services

Measures:

- Access

Justification:

- Medi-EHR provides access to patient data through the custom APIs, this measure will provide a metric on the use of these APIs to access patient data. This will be done by analyzing system log files.

Relied Upon Software: EMR Direct (applies to 170.315 (g)(10): Standardized API for Patient and Population Services)

Testing Methodology:

- Patient Search Requests Served
 - Denominator: Total requests of certified API(s)
 - Numerator: # of successful responses
- Requests Served for all data requested
 - Denominator: Total requests of certified API(s) for all data requested
 - Numerator: # of successful responses

Expected Outcomes:

- Successful response rate of APIs is over 80%, and error rates will be tracked and trended over time.

Care Settings:

- Physician's Office, Behavioral Health and Ambulatory Surgical Centers

USE CASE 9 - OUTCOMES

Synthetic testing had to be performed.

Measure	Relied Upon Software	Outcomes	Challenges
Access	EMR Direct	<p>The Medi-EHR Team monitored audit logs and found that patient data access APIs were not utilized in the production environment over the past year. Therefore, synthetic testing was performed for all three measures, and APIs and their responses were found to be compliant with the required standards.</p> <p>Following are the details regarding test scenarios that were executed for each of the certification criterion in this use case:</p> <p><u>170.315(g)(7) Application Access – Patient Selection</u></p> <ul style="list-style-type: none"> ● Test Scenario: Since no real-world data was available, synthetic test data was generated to simulate a patient accessing their electronic health record (EHR) through a third-party application. The test involved selecting a specific patient record via an API request. The system successfully authenticated the request and retrieved the correct patient’s data. ● Count of Report Generated using Synthetic Data: 1 ● Result: No issues were encountered in patient authentication, record selection, or data retrieval. <p><u>170.315(g)(9) Application Access – All Data Request</u></p> <ul style="list-style-type: none"> ● Test Scenario: As no real-world data was available, synthetic test data was created to simulate a request for a complete set of a patient’s health information via an API. The system was tested to ensure that all available health data, including demographics, medications, allergies, clinical notes, and lab results, was retrieved and provided in the required format. ● Count of Report Generated using Synthetic Data: 1 ● Result: No errors were encountered in processing or fulfilling the complete data request. <p><u>170.315(g)(10) Standardized API for Patient and Population Services</u></p> <ul style="list-style-type: none"> ● Test Scenario: Since there was no utilization of § 170.315(g)(10) Standardized API for Patient and Population Services across any of our production clients throughout 2025, testing against this criterion was conducted using synthetic data. Validations were performed using the Inferno Test Kit in an environment 	N/A

		<p>that mirrored the production environment. Following are the details regarding scenarios that were tested</p> <ul style="list-style-type: none">● Results:<ol style="list-style-type: none">1. Ensured that patients can successfully authenticate and access their personal health records through the FHIR API.2. Confirmed that the EHR system utilizes OAuth 2.0 authentication and generates access tokens.3. Verified that the FHIR server provides access to all USCDI v1 mandatory resources (e.g., Patient, Condition, Observation, etc.).4. Tested the FHIR API's ability to process search queries, ensuring proper handling of filtering parameters.5. Validated that the API returns appropriate error codes in response to invalid, unauthorized, or improperly formatted requests.6. Confirmed that an authorized client can initiate bulk patient data exports via the \$export operation and retrieve NDJSON files through pre-signed URLs.7. Verified that the API enforces SMART on FHIR scopes to regulate data access.8. Ensured that the system supports token renewal using OAuth 2.0 refresh tokens.	
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SCHEDULE OF KEY MILESTONES

Initial development of the Real World Testing plan	Oct 2024
Finalization of the Real World Testing plan, and submission to ONC-ACB	Oct 2024
Collection of information as laid out by the plan for the period	Jan 2025 – Dec 2025
Completion of testing phase	Jan 2026
RWT Results Report Submission	Feb 12, 2026

NOTE: All milestones were met as indicated.

ATTESTATION

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

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