



CY 2025 Real World Testing Plan for EBIO-METRONICS

Executive Summary:

This Real-World Testing (RWT) plan for calendar year 2025 outlines the methodology for evaluating the performance and interoperability of EBIO-METRONICS EMR version 3.1 in ambulatory settings. It complies with the ONC's Condition and Maintenance of Certification requirements for real world testing (§ 170.405). The plan will measure the system's ability to support health data exchange, interoperability, and meet the certification criteria.

Developer Attestation:

This RWT plan is complete and addresses all certification criteria and care settings for EBIO-METRONICS EMR. All elements have been thoroughly assessed to meet the real-world testing requirements.

- Authorized Representative Name: **Irfan Fazil**
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“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.”

- Authorized representative signature:

A handwritten signature in black ink, appearing to read 'Irfan Fazil', is written over a horizontal line.

DATE: 10-11-2024



General Information:

- Plan Report ID Number: **20241203ebi.**
- Developer Name: EBIO-METRONICS
- Product Name: EBIO-METRONICS
- Version Number: 3.1
- **Certification Criteria:** 315(b)(1), 315(b)(10), 315(c)(1), 315(c)(2), 315(c)(3), 315(e)(1), 315(f)(1), 315(f)(2), 315(h)(1), 315(g)(7), and 315(g)(9).
- **Product List (CHPL) ID:** 15.02.05.1388.EBIO.02.01.1.221219

RWT Plan Page URL <https://ebiometronics.com/real-world-testing-plan/>

Timeline and Milestones for Real World Testing CY 2025

- 1Q-2025: Enable health IT system for real world testing.
- 3Q-2025: Begin collecting data for RWT measures and engage clients for support if necessary.
- 4Q-2025: Complete the RWT plan and prepare the test report for submission to ONC-ACB, no later than October 15, 2025.
- 1Q-2026: Submit the 2025 RWT Test, no later than February 1, 2026



Real World Testing Measurements:

RWT Measure #1: Number of Transition of Care C-CDAs Successfully Sent

- Associated Criteria: 315(b)(1) and 315(h)(1)
- Testing Methodology: Reporting/Logging
- Relied upon software: EMR Direct
- Measurement Description: This measure tracks how many C-CDAs are successfully sent via Direct messaging during a transition of care.

Standard (and version)	“170.202(a)(2) Applicability Statement for Secure Health Transport Version 1.3, May 2021 (Direct).”
Updated certification criteria and associated product	(b)(1), (h)(1)
Health IT Module CHPL ID	15.02.05.1388.EBIO.02.01.1.221219
Date of ONC ACB notification	12/27/2022
Date of customer notification	12/30/2022



Conformance method and measurement/metric(s)	“RWT Measure #1: Number of Transition of Care C-CDAs Successfully Sent
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- Justification: This measure is useful as it will help user keep the continuity of the patient care and this measure will successfully demonstrate interoperability and functionality
- Expected Outcome: The EHR will demonstrate interoperability by successfully sending C-CDAs and logging audit reports. Expected error rate 5%. Error rates will be tracked and trended over time.”

RWT Measure #2: Number of EHI Exports Run

- Associated Criteria: 315(b)(10)
- Testing Methodology: Reporting/Logging
- Measurement Description: Tracks how often patients requested and received EHI exports of their health information.
- Justification: This measure is useful as it will help to see patient engagement in their care and this measure will successfully demonstrate interoperability and functionality
- Expected Outcome: The EHR should successfully export EHI, ensuring compliance with certification requirements. Expected error rate 5%. Error rates will be tracked and trended over time.”

RWT Measure # 3 Clinical Quality Measures (CQMs) – Record and Export; § 170.315(c)(1)

- Associated Criteria: Evaluate the system's capability to accurately record and export CQMs for individual patients and patient populations.
- Testing Methodology: Authorized users will generate CQM reports for specified timeframes and export the data in the required formats. The



process will be timed to determine efficiency, and the exported data will be validated for accuracy and compliance with relevant standards.

Justification: This measure ensures that EBIO-METRONICS meets the requirements for recording and exporting CQMs, which is essential for quality reporting and participation in value-based care programs.

Expected Outcomes: Expected error rate 5%. Error rates will be tracked and trended over time.”

RWT Measure # 4

170.315(c)(2) – Clinical Quality Measures (CQMs) – Import and Calculate;

- Associated Criteria: Evaluate the system’s ability to import externally generated CQM data and accurately calculate measure results based on imported data.

-Testing Methodology: Authorized users will import CQM data files in standard formats (e.g., QRDA Category I) into the EBIO-METRONICS system. The imported data will be calculated within the system to generate measure results. This process will include validation for errors and a performance assessment of calculation accuracy.

-Justification: This measure ensures that the EBIO-METRONICS system supports the integration of external CQM data, meeting the requirements for seamless interoperability and efficient quality reporting. It supports the calculation of measures for both individual patients and aggregated populations, which is vital for quality management.

- Expected Outcomes: Expected error rate 5%. Error rates will be tracked and trended over time.”

This measure ensures EBIO-METRONICS complies with ONC certification requirements for CQM functionality while addressing clinical quality reporting needs in real-world practice.

RWT Measure 5:



§ 170.315(c)(3) – Clinical Quality Measures (CQMs) – Report

- Associated Criteria: Evaluate the system's ability to generate detailed CQM reports, including QRDA Category I and Category III files, and validate their accuracy and compliance with reporting standards.

-Testing Methodology: Authorized users will generate detailed CQM reports for specified patient populations, including QRDA Category III summary data and QRDA Category I patient-level data. Reports will be tested for compliance with regulatory requirements and their ability to meet submission standards. The process will include timing and validation for data accuracy and completeness.

-Justification: This measure ensures that EBIO-METRONICS supports the generation and reporting of CQMs required for regulatory compliance and participation in value-based care programs. Accurate and efficient CQM reporting is essential for interoperability and performance tracking.

- Expected Outcomes: Expected error rate 5%. Error rates will be tracked and trended over time.”

This measure demonstrates EBIO-METRONICS’ capability to meet the reporting requirements for CQMs, ensuring compliance with ONC certification criteria and supporting the reporting needs of healthcare organizations.

Standard (and version)	170.205(h)(3) 2022 CMS implementation guide for quality reporting document architecture category 1; Hospital quality reporting implementation guide for 2022 (November 2021) 170.205(k)(3) 2022 CMS implementation guide for quality reporting document architecture category III; eligible clinicians and professionals' programs; implementation guide for 2022 (November 2021)
Updated certification criteria and associated product	(c) (3)
Health IT Module CHPL ID	15.02.05.1388.EBIO.02.01.1.221219
Date of ONC ACB notification	12/27/2022
Date of customer notification	12/30/2022
Conformance method and measurement/metric(s)	RWT Measure 5: § 170.315(c)(3) – Clinical Quality Measures (CQMs) – Report

RWT Measure # 6: Patient Portal Use

- Associated Criteria: 315(e)(1)
- Testing Methodology: Reporting/Logging



- Measurement Description: Tracks patient access and activity in the patient portal, including viewing and transmitting health data.
- Justification: This measure is useful as it will help to see patient engagement in their care and this measure will successfully demonstrate interoperability and functionality
- Expected Outcome: Patients should successfully access and use the portal, demonstrating the EMR’s interoperability features. Expected error rate 5%. Error rates will be tracked and trended over time.”

Standard (and version)	170.204(a)(1) Web content Accessibility guidelines (WCAG) 2.1 June 05, 2018 (level A conformance)
Updated certification criteria and associated product	(e) (1)
Health IT Module CHPL ID	15.02.05.1388.EBIO.02.01.1.221219
Date of ONC ACB notification	12/27/2022
Date of customer notification	12/30/2022
Conformance method and measurement/metric(s)	RWT Measure # 6: Patient Portal Use.

RWT Measure # 7: Immunization Messages Sent to IIS

- Associated Criteria: 315(f)(1)
- Testing Methodology: Reporting/Logging
- Measurement Description: Measures the number of immunization messages successfully sent to Immunization Information Systems (IIS).
- Justification: This measure is useful as it will help user keep the continuity of the patient care and this measure will successfully demonstrate interoperability and functionality
- Expected Outcome: Demonstrates bi-directional exchange of immunization data, ensuring compliance with public health registry interoperability requirements. Expected error rate 5%. Error rates will be tracked and trended over time.”

RWT Measure # 8:

§ 170.315(f)(2) – Transmission to Public Health Agencies – Syndromic Surveillance:

- Associated Criteria: Assess the system’s ability to electronically transmit syndromic surveillance data to public health agencies using industry-standard formats (e.g., HL7) and ensure successful validation and receipt by the recipient systems.
- Testing Methodology: Authorized users will transmit syndromic surveillance data collected during patient encounters to designated public health agencies. The process will include ensuring that the data conforms to HL7 specifications, testing the transmission process for efficiency, and validating the successful receipt and processing of data by public health systems.



-Justification: This measure ensures EBIO-METRONICS meets public health reporting requirements by supporting seamless transmission of syndromic surveillance data. This functionality is vital for tracking and responding to emerging public health trends and ensuring interoperability with public health systems.

- Expected Outcomes: Over 95% of transmissions will be successful on the first attempt, meeting HL7 standards and validation requirements. Expected error rate 5%. Error rates will be tracked and trended over time.”

This measure confirms EBIO-METRONICS’ capability to meet syndromic surveillance reporting requirements, ensuring compliance with ONC certification standards while supporting public health monitoring efforts.

RWT Measure # 9:

§ 170.315(g)(7) – Application Access – Patient Selection, the following measure is proposed:

- Associated Criteria: Evaluate the system's ability to provide authorized users with secure API access to retrieve patient data based on specific selection criteria.

-Testing Methodology: Authorized users will test the API functionality by retrieving patient records using predefined criteria (e.g., patient ID, demographic data). The process will be validated for data accuracy, security compliance, and the ability to generate accurate and complete patient-specific results.

-Justification: This measure ensures that EBIO-METRONICS provides reliable API access for patient selection, supporting interoperability and enabling external applications to securely interact with patient data. It is critical for integration with third-party tools and compliance with ONC requirements.



- Expected Outcomes: Expected error rate 5%. Error rates will be tracked and trended over time.”

This measure demonstrates EBIO-METRONICS’ ability to support secure and efficient patient selection via API, ensuring compliance with ONC certification standards and promoting interoperability.

RWT Measure # 10:

§ 170.315(g)(9) – Application Access – All Data Request, the following measure is proposed:

- Associated Criteria: Assess the system’s ability to provide authorized users with secure API access to retrieve all available patient data categories for individual or multiple patients in a single request.

-Testing Methodology: Authorized users will test the API functionality to request comprehensive patient data across all available categories (e.g., demographics, medications, problems, allergies, lab results). The process will include timing the data retrieval, validating the completeness and accuracy of the data, and ensuring the API request meets security and compliance standards.

-Justification: This measure ensures EBIO-METRONICS meets the requirement to support interoperability and seamless data exchange by enabling authorized users to access complete patient data through a single API request. This functionality is vital for integration with third-party systems and efficient data management.

- Expected Outcomes: Expected error rate 5%. Error rates will be tracked and trended over time.”

This measure ensures EBIO-METRONICS supports comprehensive and efficient data access through API, meeting ONC certification criteria and enhancing interoperability across healthcare systems.

Care and Practice Settings Targeted



EBIO-METRONICS is deployed exclusively in ambulatory care settings, including family practice, internal medicine, and other outpatient facilities. Each measure has been designed to evaluate system performance in these environments.

Justification for Real World Testing Approach

The Real-World Testing Plan for EBIO-METRONICS EMR is designed to ensure that the certified Health IT Module continues to meet the interoperability and functionality requirements outlined by the ONC in diverse, real-world production environments. The testing approach focuses on the practical application of certification criteria in clinical settings, emphasizing the collection and analysis of data to demonstrate successful conformance.

The overarching rationale for this approach stems from the need to validate the system's ability to maintain ongoing performance standards while addressing the dynamic nature of healthcare workflows. The methodology involves selecting representative measures that accurately reflect the certification criteria, interoperability capabilities, and usability across multiple care settings. This ensures a comprehensive evaluation of the product's performance under realistic conditions.

The testing strategy includes the use of real patient data where possible, ensuring authenticity in results. In cases where production environments have limited adoption or use of specific capabilities, alternative testing methods—such as simulated environments or test data—are employed to ensure a thorough assessment. Data collected through these measures will be systematically analyzed to demonstrate the EMR's ability to facilitate secure, reliable, and efficient exchange of electronic health information (EHI), as well as its capacity to support care coordination.

This approach incorporates a structured schedule of milestones and benchmarks to assess ongoing conformance with certification criteria. By conducting testing across diverse care settings, the plan accounts for the varying needs of healthcare providers and ensures the product is functional and interoperable in all marketed environments.



The justification for this testing approach lies in its alignment with the objectives of real-world testing: to confirm that EBIO-METRONICS EMR remains capable of supporting seamless interoperability, meeting users' functional needs, and adhering to regulatory standards in complex and evolving clinical workflows.

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