MAXIMUS

Real World Test Result 2025

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Table of Contents

Executive Summary

This is the real-world test result for 2025 for Maximus certified EHR solution. It provides the real-world test measurements and metrics that meet the intent and objectives of ONC's Condition of Certification and Maintenance of Certification requirement for real world testing (§ 170.405 Real world testing) to evaluate compliance with the certification criteria and interoperability of exchanging electronic health information (EHI) within the care and practice setting which it is targeted for use.

As ONC has stated in its rule, "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." We have worked toward this objective in designing our test plan and its subsequent real world testing measurements and metrics. This document builds toward the final testing measurements and metrics we will use to evaluate our product interoperability within production settings. Within each use case, we document our testing methodology for the measure/metric we plan to employ. We also include the associated ONC criteria, our justification for measurement selection, our expected outcomes from the testing, the care settings applied for this measure, and if applicable the number of clients to use in our real-world testing. We have included our timeline and milestones for completing the real-world testing in 2025, and information about compliance with the Standards Version Advancement Process updates. A table of contents is provided above in the plan quick access to any document section, including the testing measurements and metrics. Our signed attestation of compliance with the real-world testing requirements is on the following pages.

Summary of Testing Methods and Key Findings

During our 2025 Real World Testing, we successfully evaluated API functionality for certification criteria §170.315(g)(7), (g)(9), and (g)(10) using the Scoring Tool methodology. Our testing was conducted in the second and third quarters of 2025 using test patients in production-equivalent environments to protect patient privacy while accurately reflecting real-world system performance.

Methods Actually Used

We tested API resource query capabilities using six test patients total—three test patients for evaluating (g)(7)/(g)(9) criteria and three test patients for evaluating (g)(10) criteria. Each test involved authenticating users through our API following our publicly documented specifications, querying patient clinical data resources, retrieving complete Electronic Health Information including C-CDA documents, and evaluating them using the ONC C-CDA Scorecard tool to obtain quantifiable interoperability metrics. All testing was performed in production-equivalent environments that accurately mirror our live production system capabilities.

Summary of Results

All six test cases were completed successfully with a 100% pass rate and zero errors detected. The ONC C-CDA Scorecard results confirmed our system meets interoperability standards for exchanging electronic health information through standardized API protocols. Our testing verified that the certified API functionality operates reliably in production-equivalent environments exactly as intended in the certification criteria.

Challenges and Lessons Learned

The primary challenge we encountered was ensuring patient privacy protection while conducting meaningful real-world testing that accurately represents production capabilities. We addressed this challenge by using test patients in production-equivalent environments rather than accessing actual patient data. This approach successfully demonstrated real-world capabilities without exposing Protected Health Information (PHI). The production-equivalent environment testing proved highly effective at validating real-world interoperability while maintaining strict privacy protection, and we will continue this approach in future testing

cycles.

Demonstration of Real-World Interoperability

These results demonstrate real-world interoperability by showing that our EHR Module successfully exchanges patient clinical data and complete Electronic Health Information through standardized APIs in environments that accurately mirror actual production use. The quantifiable C-CDA Scorecard metrics provide objective, measurable evidence that data exchanged through our APIs meets industry-recognized interoperability standards, enabling seamless information sharing across different health IT systems. The successful authentication, query, and data retrieval processes confirm that our API infrastructure functions as designed in real-world scenarios, supporting the exchange of EHI in accordance with ONC certification requirements.

Developer Attestation

This Real World Testing result is completed with all required elements, including measures that address all certification criteria and care settings. All information in the result is updated and fully addresses the health IT developer's Real World Testing requirements.

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Date: 01/20/2026

General Information

- **Plan Report ID Number:** 20240913max
- **Developer Name:** MaxRemind Inc
- **Certified Health IT Criteria:** 315(b)(1), (b)(2), (b)(10), (c)(1), (c)(2), (c)(3), (e)(1), (f)(1), (f)(2), (f)(3), (g)(7), (g)(9), (g)(10), (h)(1).
- **Product Name(s):** Maximus
- **Version Numbers(s):** V 1.0
- **Product List (CHPL) ID(s) and Link(s):**

  15.05.05.3173.MAXR.01.00.1.231031

  https://chpl.healthit.gov/#/listing/11360

- **Real World Testing Plans and Results Reports URL:**
  - https://maxremind.com/maximusehr-certification/ (current)
  - https://www.mremind.com/MaximusEHR-Certification (previous)

Timeline and Milestones for Real World Testing CY 2025

All planned milestones for the 2025 Real World Testing cycle were successfully completed as documented below:

- **1Q-2025 – STATUS: MET**

  Communication with clients regarding real world testing support and participation was initiated in the first quarter of 2025. Planning was completed for the production-equivalent environment testing approach to ensure comprehensive patient privacy protection while maintaining accurate representation of production capabilities. Due to limited customer adoption of 170.315(g)(10) functionality and privacy considerations, we determined that testing in production-equivalent environments would provide the most thorough validation while protecting Protected Health Information (PHI).

- **2Q-3Q 2025 – STATUS: MET**

  Real-world testing was successfully scheduled and performed during the second and third quarters of CY 2025. Testing was conducted in our production-equivalent environments

using test patients to validate API functionality for certification criteria 170.315(g)(7), (g)(9), and (g)(10). All test scenarios were executed as planned, including:

- Single patient FHIR API transactions
- Bulk data FHIR API extractions
- C-CDA Scorecard validation

All test results were documented in the respective measurement sections of this report. No non-compliances or errors were observed during any phase of testing. Results achieved 100% success rates across all metrics.

- **4Q-2025 – STATUS: MET**

  During the fourth quarter of 2025, the Real World Testing Results Report was compiled and completed according to ONC and ONC-ACB requirements and expectations. All required sections were prepared, including the Summary of Testing Methods and Key Findings, detailed testing results, and documentation of all metrics. The report was finalized and prepared for submission with all necessary documentation and attestations.

- **1Q-2026 – STATUS: MET**

  The 2025 Real World Testing Results Report was successfully submitted to SLI on January 22, 2026.

Standards Version Advancement Process (SVAP) Updates

For CY 2025, SVAP updates are listed below.

SVAP Standard 170.215(b)(1)(i)

Standard	170.215(b)(1)(i)
Date of ONC-ACB Notification	Oct 31,2023
Criterion	G10
Measure Used to Demonstrate Conformance with Updated Standard	Measure #9
Level of Conformance	4.0.0 HL7® FHIR® US Core Implementation Guide STU 4.0.0, June 2021
Date of Customer Notification	N/A

Real World Testing Measurements

The measurements for our real-world testing plan are described below. Each measurement contains:

- Associated ONC criteria
- Testing Methodology used
- Description of the measurement/metric
- Justification for the measurement/metric
- Expected outcomes in testing for the measurement/metric
- Number of client sites to use in testing (if applicable)
- Care settings which are targeted with the measurement/metric

In each measurement evaluate, we elaborate specifically on our justification for choosing this measure and the expected outcomes. All measurements were chosen to best evaluate compliance with the certification criteria and interoperability of exchanging electronic health information (EHI) within the certified EHR.

Testing Methodologies

For each measurement, a testing methodology is used. For our test plan, we use the following methodologies.

Reporting/Logging: This methodology uses the logging or reporting capabilities of the EHR to examine functionality performed in the system. A typical example of this is the measure reporting done for the automate measure calculation required in 315(g)(2), but it can also be aspects of the audit log or customized reports from the EHR. This methodology often provides historical measurement reports which can be accessed at different times of the year and evaluate interoperability of EHR functionality, and it can serve as a benchmark for evaluating real world testing over multiple time intervals.

Compliance with Reporting Metric or Scoring Tool: This methodology uses inspection to evaluate if EHR is supporting the ONC criteria requirements in interoperability compliance. It can be done through 1-v-1 inspection testing and utilizing various tools to measure or evaluate compliance and interoperability. It either includes tool which produces a quantifiable result or uses specific metrics to evaluate real world interoperability.

Number of Clients Sites

Within each measure, we note the minimum number of clients or client sites we plan to use for this measure evaluation. The numbers vary depending on the methodology as well as overall use of the associated EHR Module criteria by our users. For criteria that are not widely used by our customer base, we may test the respective measures in our own production-sandbox environment given lack of customer experience with the criteria functionality.

Care and Practice Settings Targeted

Our EHR is targeted at general ambulatory practices, and our measures were design for this setting in mind.

RWT Measure #9. API Resource Query Support – C-CDA Scorecard Quantifiable Result

Associated Criteria: 315(g)(7), (g)(9) and (g)(10)
Testing Methodology: **Scoring Tool**

Measurement Description

This measure is tracking compliance of the EHR Module criteria functionality of support of API query of patient data resources.

Testing Result

315(g)(7), (g)(9)

To protect patient privacy, we conducted our testing using test patients instead of real patient data, working in environments that closely match our actual production system to ensure our results reflect real-world performance.

We tested with 3 test patients. Each test followed the same process: a user connected to our EHR through a client application using our API, entered their credentials when prompted, and received an access token after successful authentication following our publicly available API documentation.

The user then queried patient clinical data through the API and successfully retrieved it through their client application. Next, the user requested the patient's C-CDA document (a standardized medical record format) and ran it through the official ONC C-CDA Scorecard tool, which gave us specific numeric scores to objectively measure how well our system meets interoperability standards.

We also verified that all the steps users performed matched exactly what the certification criteria require, confirming our system works the same way in production as it does in our test environment. All 3 tests were completed successfully without any errors.

315(g)(10)

We tested with three test patients in a sandbox environment that is our production-equivalent environment.

Each of the three test transactions verified several key capabilities:

First, that users could successfully connect to our API resources using standardized protocols.

Second, they could query patient clinical data through the standardized API interface.

Third, they could retrieve each patient's complete Electronic Health Information through the API, including all data elements required by the certification criteria.

Fourth, the retrieved data met quality standards when evaluated against both our internal scoring system and the ONC C-CDA Scorecard tool. All three test cases passed successfully.

Real World Testing Metrics #1 and #2 - Production-Equivalent Environment Testing

Reason for Alternative Testing Approach:

During the 2025 testing period, we encountered limited customer adoption of 170.315(g)(10) standardized API functionality in production environments. Additionally, accessing customer production environments to monitor real-time transaction success rates and bulk data extraction activities presented significant patient privacy and data security concerns. Direct monitoring of customer production systems would have required access to Protected Health Information (PHI) and real-time transaction logs, which could compromise patient confidentiality and violate HIPAA privacy protections.

Given these constraints, we adopted an alternative approach that maintains the integrity and intent of the original metrics while ensuring patient privacy protection. We conducted comprehensive testing in production-equivalent environments that accurately mirror our customer production systems, allowing us to validate the same functionality and measure equivalent performance metrics without accessing actual patient data.

Testing Results - Production-Equivalent Environment:

Metric #1 Alternative - Single Patient FHIR API Transaction Success Rate:

We performed systematic testing of HL7 FHIR API single patient transactions in our production-equivalent environment. The testing included:

- Total FHIR API transactions attempted: 50 single patient queries
- Successful transactions: 50
- Failed transactions: 0
- **Success Rate: 100%** (exceeds the 98% target)

Each transaction involved authenticating through the API, querying patient resources using standardized FHIR protocols, and successfully retrieving complete patient data. All transactions completed without errors, demonstrating that our 170.315(g)(10) implementation performs reliably and exceeds the planned 98% success rate target.

Metric #2 Alternative - Bulk Data FHIR API Extraction Validation:

We conducted comprehensive bulk data extraction testing in our production-equivalent environment to validate the functionality that would be used by customers. The testing included:

- Number of bulk data export operations performed: 5
- Successful bulk data extractions: 5
- Failed extractions: 0
- **Success Rate: 100%**

Each bulk data extraction successfully initiated the asynchronous export process, generated complete FHIR resource bundles for multiple patients, and delivered downloadable NDJSON files containing all required data elements per 170.315(g)(10) specifications. The bulk data export functionality operated as designed, confirming that customers would be able to successfully perform bulk data extractions when they adopt this functionality.

Validation of Real-World Applicability:

Although these results were obtained in production-equivalent environments rather than from customer production activity monitoring, they provide robust validation of 170.315(g)(10) compliance and real-world functionality for the following reasons:

1. The production-equivalent environment uses identical system configurations, database structures, and API implementations as our customer production systems
2. The test scenarios replicate actual use cases that customers would perform, including authentication, authorization, single patient queries, and bulk data extractions
3. The high success rates (100%) demonstrate system reliability and readiness for customer production use
4. Testing in controlled environments allowed for comprehensive validation of all 170.315(g)(10) requirements without privacy concerns

Conclusion:

While the original plan anticipated measuring these metrics through customer production activity, the alternative testing approach successfully validated the intent of both metrics. The results demonstrate that our 170.315(g)(10) implementation achieves high reliability (100% success rate, exceeding the 98% target for Metric #1) and provides fully functional bulk data extraction capabilities (validated through Metric #2 alternative testing). These findings provide strong evidence of real-world interoperability and compliance with certification requirements.

Overall Results Summary:

- **Total test cases performed:** 6 (3 for (g)(7)/(g)(9) + 3 for (g)(10))
- **Success rate:** 100% (6 of 6 passed)
- **Errors detected:** 0
- **Non-conformities identified:** 0

The quantifiable scores from the ONC C-CDA Scorecard tool confirmed that our system meets interoperability standards, and our testing verified that the API functionality works reliably in production-equivalent environments for end users. These results demonstrate that our EHR Module's API infrastructure fully complies with the requirements of 170.315(g)(10), properly supporting patient data access, clinical data queries, and standardized EHI retrieval.

Testing Methodology

Scoring Tool: All C-CDA documents were evaluated using the official ONC C-CDA Scorecard tool, which provides quantifiable metrics for interoperability compliance.

Number of Clients Sites

We designed this measure to test the general ambulatory setting that we support and target.

Actual Testing Conducted:

- For §170.315(g)(7) and (g)(9): 3 test patients in production-equivalent environment
- For §170.315(g)(10): 3 test patients in production-equivalent sandbox environment
- Total test cases: 6
- Client sites involved: 0 (testing conducted using internal production-equivalent environments

with test patient data)

This testing approach was selected to ensure patient privacy protection while accurately reflecting real-world production capabilities. The production-equivalent environments used for testing accurately represent the general ambulatory care settings where our certified EHR is deployed, ensuring that our test results reflect actual system performance in real-world use cases.

Relied upon software

No relied upon software.

Care Setting

Care setting was Outpatient general ambulatory.

Non-Conformities or Errors Discovered

During our testing, we did not discover any errors or criteria for non-conformities. All six test cases completed successfully with 100% pass rate

Changes for this Measure from Original RWT Test Plan

We did not make any notable changes from our documented RWT Test Plan in our testing methods or metrics.