



2023 Real World Test Plan

## Application Access

Plan Report ID:

**20221208bri-1**

# ONC CERTIFIED IT Real World Test Plan & Results 2023 Calendar Year

<b>Developer</b>	Brilogy Corporation
<b>Product</b>	AXEIUM
<b>Version</b>	MU3
<b>CHPL ID</b>	15.05.05.1171.BRIL.02.01.1.221219 (current)
	15.05.05.1171.BRIL.01.00.1.200110 (previous)
<b>URL</b>	<a href="http://axeium.com/rwt">http://axeium.com/rwt</a>
<b>Document</b>	2023 RWTPR - Application Access v2024-02-10b.docx

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## Test Results

### Changes to Original Plan

Changes to the the RWT approach as outlined in the Plan, if any.

<b>Summary</b>	We abandoned the strategy of developing test tools.
<b>Reason</b>	As per its name, RWT is intended to go beyond internal testing to validate the process in actual use, as such, more test tools does not meet the spirit of the exercise.
<b>Impact</b>	none

### Withdrawn Product

Products withdrawn during the past year that were outlined in the Plan, if any.

<b>Product</b>	AXEIUM
<b>Version</b>	MU3
<b>CHPL ID</b>	15.05.05.1171.BRIL.01.00.1.200110
<b>Date</b>	2022-12-19
<b>Data Incl'd</b>	n/a

### Summary of Testing Methods & Key Findings

A summary of the testing method used, challenges encountered and lessons learned, and non-conformities discovered, if any.

To give the RWT the best shot at success we obtained permission and cooperation from our largest clinic that operates 4 physical facilities, including mobile units, which recorded more than 125,000 patient visits in CY 2023, yet even with this relatively high number, our broadest reach, there were no API requests during the test period.

The challenge we face to adoption appears to be a combination factors, not the least of which is that our domain is community health, which is definitionally the least tech savvy combined with the fact that these are not end user features, there was simply no adoption in our domain at this time.

### Standards Updates

Products certified with voluntary or optional SVAP and USCDI standards updates, if any.

<b>Standard</b>	n/a
<b>Version</b>	
<b>Criteria affected</b>	
<b>CHPL ID</b>	
<b>Conformance Measure</b>	

## Care Setting

These test results are from transactions executed in a community health, outpatient, primary care setting.

## Metrics and Outcomes

Testing measurements that demonstrate that the product is compliant with certification criteria and is exchanging EHI in the care setting.

<b>Measurement</b>	Use Case 1 - Patient Discovery Use Case 2 - Categories of Data Use Case 3 - All Data
<b>Criteria</b>	170.315(g)(7), (g)(9)
<b>Outcome</b>	Not Used. There were no API requests during the test period.

The certified criteria that are included in this test plan rely on the following 3<sup>rd</sup> party software, if any.

<b>Product</b>	n/a
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## Key Milestones

Information regarding how and when developer-implemented measures and collected data relevant to milestone that were met during the RWT process for the above referenced care setting.

Milestone	Timeframe	Status
Obtain representative participation from clinic	2022 Q4	MET
Project kickoff with team of internal and customer representatives	2023 Q1	MET
Check for data collected	2023 Q2, Q3, Q4	MET
Run final data collection for plan year and prepare report	2024 Q1	MET

# Test Plan

## Description of Interoperability-focused Functionality

This test plan was designed to test the real world use of the following certification criterion:

<b>§170.315(g)(7)</b>	<b>Discover Patient API Token</b> Ability for API to return a token that uniquely identifies the patient for the purpose of subsequent CCD data requests.
<b>§170.315(g)(9)</b>	<b>Pull All Data</b> Ability to respond to requests for patient data for all of the data categories specified in the CCDS at one time and return such data in a summary record formatted according to the standard specified in §170.205(a)(4) following the CCD document template.

### Use Case 1 - Patient Discovery

The developer will work with the designated customer representatives to test the real world process of discovering an API token for a specific patient that can be used in subsequent queries to pull data.

### Use Case 2 - Categories of Data

The developer will work with the designated customer representatives to test the real world process of pulling each individually-selected CCDS category of data for one or more randomly selected patients.

### Use Case 3 - All Data

The developer will work with the designated customer representatives to test the real world process of pulling all of the CCDS category data at one time for one or more randomly selected patients, and having that data returned in a summary format CCD document.

### Schedule of Testing Milestones

2022 Q4	Solicit customers to obtain representative participation
2023 Q1	Project kickoff with team of internal and customer representatives; Distribute procedures, and tracking tools, if needed
2023 Q2, Q3, Q4	Follow up with project team; Review data collected thru date, and adjust methodology if needed
2024-01-10	Run final data collection for plan year; Analyze and collate
2024-01-15	Report due to ACB

## Standards Updates

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Standards Updated	N/A
Updated Standard Version	N/A
Date of ONC ACB notice	N/A
Date of customer notice	N/A

## Relied on Software

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No 3<sup>rd</sup> party software is used or relied on to meet the measure(s) contained in this test plan.

## Care Setting

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AXEIUM is a patient-centric EHR system that is marketed to outpatient, community health centers that provide primary care services. Operationally speaking, there is no functional difference regardless of the specialty services offered by the clinics, if any, as such any and all ACB-certified features selected for testing are representative of all settings, regardless of specialty.

## Measurements and/or Metrics

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The testing process will document the pass/fail rate of the patient token discovery process, as well the subsequent ratio of successfully received individual CCDS category inquiries and CCD documents returned for all-category requests. Indirectly, data quality and completeness will be tested for each category of data returned by comparing results returned to the data stored in the system of record.

## Expected Outcomes

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Given the nationwide debate that continues to hamstring the release of a National Patient Identifier, it is expected that most but not all API patient discovery inquiries will be successful, and that for the discovery requests that do return a unique patient token that 100% of the subsequent data requests will be successful.

## Testing Methods/Methodologies

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Given the fundamental lack of technical sophistication typically associated with a community health facility, in the event that the audit logs indicate that this feature is not being used, and as the interop discovery process is typically system to system, it is anticipated that the developer will have to build a test tool to launch the API discovery from a console screen if a publically available tool cannot be found, after which the Swagger can be used to validate the data for each specific category request, and the CCD creation can be validated from the system screens and logs while the CCD content can be validated from a browser session.

## Testing Approach Justification

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The test plan measurements will provide an objective assessment of the functional demand for the certified criteria, as well whether the criteria work correctly and return accurate information.

The system logs will determine the real world use of these features. The measures in this test plan will produce a the success rate of the interoperability and functionality of the certification criteria in a production environment, and the quality and accuracy of the data returned will be indirectly validated when the output is validated to the patient data stored in the system.

## Change Log

Date	Author	Comment
2022.10.15	m. allione	Initial Document
2022.12.08	m. allione	add reference to relied on software
2024.02.10	m. allione	add 2023 result narrative