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

| | |
|---|---|
| **Developer** | Brilogy Corporation |
| **Product** | AXEIUM |
| **Version** | MU3 |
| **CHPL ID** | 15.05.05.1171.BRIL.02.01.1.221219  (current) |
| | 15.05.05.1171.BRIL.01.00.1.200110  (previous) |
| **URL** | http://axeium.com/rwt |
| **Document** | 2023 RWTPR - Transition Of Care v2024-02-10b.docx |

# Contents

# Test Results

## Changes to Original Plan

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

| | |
|---|---|
| **Summary** | none |
| **Reason** | |
| **Impact** | |

## Withdrawn Product

Products withdrawn during the past year that were outlined in the Plan, if any.

| | |
|---|---|
| **Product** | AXEIUM |
| **Version** | MU3 |
| **CHPL ID** | 15.05.05.1171.BRIL.01.00.1.200110 |
| **Date** | 2022-12-19 |
| **Data Incl'd** | 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.

> We obtained permission and cooperation from our largest FQHC clinic that operates 4 physical facilities, including mobile units, which recorded over 125,000  patient visits in CY 2023 to test the HIE exchange features.
>
> While the manual processes logged no usage, because this facility is also interfaced to a local HIE that inbounds the ToC CCD each night for each locked encounter, the batch, bulk process is in daily use, and provided substantial data to verify the real world testing of this criteria.
>
> No challenges or non-conformities were uncovered.

## Standards Updates

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

| | |
|---|---|
| **Standard** | n/a |
| **Version** | |
| **Criteria affected** | |
| **CHPL ID** | |
| **Conformance Measure** | |

## 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.

| Measurement | Use Case 1 - Import, Reconcile, and Export CCD |
|---|---|
| Criteria | 170.315(b)(1), (b)(2), (b)(6) |
| Outcome | CCD bulk import was used to inbound ~2000 patients for a specialty care practice that was acquired during the test period with only a handful of failures all of which were traced to missing/incomplete CCD data from the sending system.<br><br>Export is currently automated to send a ToC CCD for each locked medical exam to a local HIE for which a random audit of transmitted data indicated 100% success. |

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

| Product | n/a |
|---|---|

## 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:

| §170.315(b)(1) | CCD Import |
|---|---|
| | Ability to validate and display human readable, imported C-CDA documents |

| §170.315(b)(2) | CCD Reconciliation |
|---|---|
| | Ability to reconcile imported C-CDA data categories of active medications, allergies, and problems |

| §170.315(b)(6) | CCD Export |
|---|---|
| | Ability to create export documents based on user-selected combination of CCD categories |

## Use Case 1 - Import, Reconcile, and Export CCD

The developer will work with the designated customer representatives test the real world use of and experiences with the transition of care process and features.

## 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 |
| 2024-02-10 | Run final data collection for plan year; Analyze and collate |
| 2024-01-15 | Report due to ACB |

## Standards Updates

| 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

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

### Care Setting

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

The testing process will document the use of  namely the ratio of success to failures observed.

### Expected Outcomes

For Imported documents, given the complexity of the CCD standard, it is expected that documents imported are from a certified source as such the percent of success should be high, and for those that are imported it is expected that the reconciliation success should be correspondingly high.  For Exported documents, as that process is wholly controlled by system, it is expected to have a 100% success ratio.

### Testing Methods/Methodologies

It is anticipated that this is a low to no-use process in community health care, as such, clinic staff will be requested to notify their testing manager in the event of a inbound CCD , or export request so that the process can be observed and scored.  Scoring logs that track the usage and success or failure of each utilized ToC process will be analyzed for quantity, and quality.  In the event that no real world documents are presented, the testers will need to source publically available documents to complete the test.

### Testing Approach Justification

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

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 usability of the Transition of Care screens will be indirectly validated during the testing process

# Change Log

| Date | Author | Comment |
|------|--------|---------|
| 2022.10.15 | m. allione | Initial Document |
| 2022.12.08 | m. allione | add reference to relied on software |
| 2023.01.15 | m. allione | add 2023 test results |
| 2024.02.10 | m. allione | add 2024 test results |