



2022 Real World Test Plan

Application Access

Plan Report ID:

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ONC CERTIFIED IT
Real World Test Plan & Results
2022 Calendar Year

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Test Results

Changes to Original Plan

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

Summary	We abandoned the strategy of developing test tools.
Reason	As defined in the RWT Resource Guide, this is a process by which interoperability and functionality is observed in a production setting, rather than in a controlled test environment, as such, more test simulations do not meet the intent of the requirement.
Impact	none

Withdrawn Product

Products withdrawn during the past year that were outlined in the Plan, if any.

Product	n/a
Version	
CHPL ID	
Date	
Data Included	

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 95,946 patient visits in CY 2022, yet even with this relatively high number, our broadest reach, there were no API requests during the test period.

The challenge we face is that the implementation of APIs is just too new, combined with the cost and complexity associated with the fact that these are definitionally 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.

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 HIE in the care setting.

Measurement	Discover a Patient's API token; Use token to pull category-specific data Use token to pull all data for the patient
Criteria	170.315(g)(7), (g)(8), (g)(9)
Outcome	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 3rd party software, if any.

Product	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
Obtain representative participation from clinic	2021 Q4
Project kickoff with team of internal and customer representatives	2022 Q1
Check for data collected	2022 Q2, Q3, Q4
Run final data collection for plan year, and prepare report	2023 Q1

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(g)(7)	Discover Patient API Token Ability for API to return a token that uniquely identifies the patient for the purpose of subsequent CCD data requests.
§170.315(g)(8)	Pull Category-Specific Data Ability to respond to requests for patient data for each of the individual data categories specified in the CCDS and return the full set of data for that data category in a computable format.
§170.315(g)(9)	Pull All Data 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

2021 Q4	Solicit customers to obtain representative participation
2022 Q1	Project kickoff with team of internal and customer representatives; Distribute procedures, and tracking tools, if needed
2022 Q2, Q3, Q4	Follow up with project team; Review data collected thru date, and adjust methodology if needed
2023-01-02	Run final data collection for plan year; Analyze and collate
2023-01-15	Report due to ACB

Standards Updates

Standards Updated	<input checked="" type="checkbox"/> N/A <input type="checkbox"/> USCDI <input type="checkbox"/> CCDA <input type="checkbox"/> ASTM <input type="checkbox"/> CQM
Updated Standard Version	N/A
Date of ONC ACB notice	N/A
Date of customer notice	N/A

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 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

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

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

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
2021.10.01	m. allione	Initial Document
2021.11.07	m. allione	Revise and improve the following sections: Standards, Care Settings, Measures, and Justification.
2023.01.15	m. allione	Add test results