



GENERAL INFORMATION

Plan Report ID Number: 20241213bra

Developer Name: Braintree Health

Product Name: BRAINTREE

Version Number(s) (NEW): 10.5.1.1

Certified Health IT Product List (CHPL) Product Number(s) (CURRENT): 15.02.05.1167.BRNT.01.01.1.211119

Developer Real World Testing Plan Page URL: <https://www.braintreehealth.com/braintree-onc-certification-btree/>

Developer Real World Testing Results Report Page URL: <https://www.braintreehealth.com/braintree-onc-certification-btree/>

STANDARD UPDATES

The product does not include any voluntary standards.

SUMMARY OF TESTING METHODS AND KEY FINDINGS

The RWT plan included:

§170.315(g)(7)
Application access—
patient selection

- Access verification of token so that API can be tested.
- Verification of patient data and ability to notify if sufficient information is provided to uniquely identify the patient data.
- Once the patient data is verified return the patient information.
- **The api test was successfully completed.**

Justification: To demonstrate that the API can successfully identify and select a patient using demographic information or unique patient identifiers submitted by an authorized third-party application.

Expected Outcomes: The API should successfully process patient selection requests submitted by an authorized application and correctly identify the patient based on the provided identifiers. The system should return the appropriate patient resource once the patient has been uniquely identified.

RWT Outcome:

The system successfully demonstrated the ability to identify and select a patient using the Braintree API. Using synthetic test data and Postman, patient identifiers were submitted and the system successfully returned the correct patient resource, confirming compliance with patient selection.

Testing was performed using the Braintree API with synthetic patient data through Postman to validate the ability of an authorized third-party application to uniquely identify and select a patient. A total of 15 patient selection requests were executed using different combinations of patient identifiers.

All 15 of 15 requests successfully returned the correct patient resource, resulting in a 100% success rate. Testing confirmed that the system can correctly process patient selection requests and return the appropriate patient record when valid identifiers are provided.

170.315 (g)(9):
Application Access – All
Data Request

- The API must be able to respond to requests for patient data associated with a specific date as well as with a specific date range.
- **The system was successfully able to send the data based on the specific date ranges.**

Justification: To demonstrate that the API can respond to authorized requests from third-party applications for all available patient data associated with a specific patient and requested date parameters.

Expected Outcomes: The API should successfully return all available patient data associated with the requested patient and specified date or date range when a valid request is submitted by an authorized application.

RWT Outcome:

The system successfully demonstrated the ability to process requests for patient data associated with a specified patient and date parameters. Using synthetic test data and Postman, the API returned the requested patient data based on the specified date ranges, confirming the system’s ability to support all data request functionality.

Testing validated the ability of the API to return all available patient data associated with a selected patient and specified date or date range parameters. Testing was performed using synthetic data and Postman.

A total of 20 API requests were executed to retrieve patient data using various date parameters and date ranges. All 20 requests successfully returned the expected patient data, resulting in a 100% success rate. The results demonstrate that the system can respond to authorized requests for patient data and return the appropriate data elements associated with the specified request parameters.

170.315 (g)(10):
Standardized API for
patient and population
services

- The API must be able to respond to requests for patient data associated including all required validations for FHIR

The system was able to successfully request the records based on FHIR standards.

Justification: To demonstrate the volume of patient data category requests via a third-party application.

Expected Outcomes: Expecting volume of patient requests for one or more data categories via a patient-facing FHIR API, aggregated by month to remain consistent.

RWT Outcome: Successfully demonstrated the ability of patient, provider and system applications to request and retrieve one or more data elements in compliance. The successful verification of bulk export, provider scopes and system scopes were also captured.

Testing verified that the Braintree FHIR API supports requests for one or more USCDI data elements and complies with FHIR standards. Testing was performed using synthetic data and Postman.



	<p>A total of 10 FHIR API requests were executed for various patient data elements defined in USCDI. All 10 requests successfully returned the requested data elements, resulting in a 100% success rate. The testing also confirmed the proper validation of FHIR requests and the ability for authorized applications to retrieve patient data through the standardized API.</p>
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Care Setting(s)

The expectation is that a developer's Real-World Testing is conducted within each type of clinical setting in which their certified health IT is marketed. Health IT developers are not required to test their certified health IT in every setting in which it is marketed for use.

List each care setting that was tested.

Ambulatory

Change of Plan: None.

Impact: None

Reason: None.

Metrics can be found under this link

Metrics: <https://www.braintreehealth.com/wp-content/uploads/2026/03/Metrics-2025.xlsx>

Metrics and Outcomes

Metrics supporting Real-World Testing were collected from both controlled testing using synthetic data and real-world production usage throughout calendar year 2025. While initial functional validation testing was conducted between 04/01/2025 and 07/15/2025 using synthetic data and Postman, the metrics provided in the link above reflect actual API usage across the full reporting period (01/01/2025 – 12/31/2025).

These metrics demonstrate ongoing system performance, successful data exchange, and compliance with certification criteria in real-world settings.

Health IT developers should detail outcomes from their testing that successfully demonstrate that the certified health IT:

1. is compliant with the certification criteria, including the required technical standards and vocabulary codes sets;
2. is exchanging electronic health information (EHI) in the care and practice settings for which it is marketed for use; and/or,
3. EHI is received by and used in certified health IT.

(from 85 FR 25766)

Measurement /Metric	Associated Criterion(a)	Relied Upon Software(if applicable)	Outcomes	Challenges Encountered(if applicable)
Application access — patient selection	§170.315(g)(7)	None	is compliant with the certification criteria, including the required technical standards and vocabulary codes sets	None

Application Access - All Data Request	170.315 (g)(9)	None	is compliant with the certification criteria	None
Standardized API for patient and population services	170.315 (g)(10)	None	is compliant with the certification criteria	None

KEY MILESTONES

Key Milestone	Care Setting	Date/Timeframe
Application access — patient selection §170.315(g)(7) - Evidence of the patients ability to request and retrieve a C-CDA via Braintree API was successfully demonstrated utilizing synthetic data and Postman.	Ambulatory	04/01/2025 – 07/15/2025
Application Access - All Data Request 170.315 (g)(9) - Evidence of the patients ability to request and retrieve a C-CDA via Braintree API was successfully demonstrated utilizing synthetic data and Postman.	Ambulatory	04/01/2025 – 07/15/2025
Standardized API for patient and population services 170.315 (g)(10) Evidence of the patient's ability to make a data category request for one or more data elements in the USCDI v3 using the Braintree FHIR API was successfully demonstrated.	Ambulatory	04/01/2025 – 07/15/2025



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REAL WORLD TESTING RESULTS REPORT