GENERAL INFORMATION

Plan Report ID Number: 20221214bra

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-2015/

Developer Real World Testing Results Report Page URL: https://www.braintreehealth.com/braintree-onc-certification-2015/

SUMMARY OF TESTING METHODS AND KEY FINDINGS

Provide a summary of the Real-World Testing methods deployed to demonstrate real-world interoperability, including any challenges or lessons learned from the chosen approach. Summarize how the results that will be shared in this report demonstrate real-world interoperability.

If any non-conformities were discovered and reported to the ONC-ACB during testing, outline these incidences and how they were addressed.

Note: A single Real World Testing results report may address multiple products and certification criteria for multiple care settings.

The RWT plan included:

§ 170.315(b)(3) Electronic prescribing	• Create new prescriptions (NewRx). • Request and respond to change prescriptions (RxChangeRequest,RxChangeResponse). • Request and respond to cancel prescriptions (CancelRx, CancelRxResponse). • Request and respond to renew prescriptions (RxRenewalRequest,RxRenewalResponse). • Receive fill status notifications (RxFill). • Request and receive medication history (RxHistoryRequest,RxHistoryResponse). • Relay acceptance of a transaction back to the sender (Status). • Respond that there was a problem with the transaction (Error). • Respond that a transaction requesting a return receipt has been received(Veriy)

§§170.315(c)(3) Clinical quality measures (CQMs) — report	• Select certified measures and run the measures. • Export the Cat III XML file generated and validate with visual inspection
§170.315(e)(1) View, download and transmit to 3rd party	• Patients should be able to use internet base technology to view, downloadand transmit CCDA files. • Patient should be able to login into EMR. • Patient should be able to download the CCDA file. • Patient should be able to transmit CCDA file via secured email to providers. • **Two patients were selected and were able to transmit the CCDA file to other providers successfully.**
§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.**
§170.315(h)(1) Direct Project	• Send • Receive • Message Disposition Notification: Processed • Message Disposition Notification: Failed • Required Enhanced Testing, Send • Required Enhanced Testing, Receive • **The system was tested to send/receive secured emails with 4 patients and was able to send/ receive the secured emails with/without attachments.**

§170.315(f)(1) Transmission to immunization registries	• Export the immunization information as HL7 message • **The system was successfully able to export the hl7 message for immunization for selected patients.**
§ 170.315 (b)(1) Transitions of Care	• Send Using Edge Protocol for IHE XDR profile for Limited Metadata Document Sources • Send Using Edge Protocol for SMTP • Receive Using Edge Protocol for IHE XDR profile for Limited Metadata Document Sources • Receive Using Edge Protocol for SMTP • Receive Using Edge Protocol for IMAP • Receive Using Edge Protocol for POP3 • XDM Processing (Received via Edge Protocol) • **The system was successfully able to complete the above mentioned test cases.**

§ 170.315 (b)(2): Clinical Information Reconciliation and Incorporation	• Correct patient
	• Reconciliation
	  ○ Simultaneously display (i.e., in a single view) the data from at least two sources in a manner that allows a user to view the data and their attributes, which must include, at a minimum, the source and last modification date
	  ○ Enable a user to create a single reconciled list of each of the
	  ○ following: Medications; Allergies and Intolerances; and problems.
	  ○ Enable a user to review and validate the accuracy of a final set of data.
	  ○ Upon a user's confirmation, automatically update the list, and incorporate the medications and allergies.
	• **The system was able to reconcile the patient medication, allergies and problems. Two patients were selected to run the test cases.**

170.315 (b)(6): Data Export	• Time frame configuration of export of CCD's. • Set the location of export of CCD's Documents. • **The system was successfully able to export the CCDA to specific file path and as well for specific time range.**

170.315 (b)(7): Data Segmentation for Privacy – Send	• Ability to select the privacy segment tag from the EMR. • Ability to export the CCD document including the privacy segments. • **The system was successfully able to send the CCDA with privacy notice segment.**

170.315 (b)(8): Data Segmentation for Privacy – Receive	• Receive CCD document including privacy segment. • Display the received privacy segment for the user in the EMR. • **The system was successfully able to import the CCDA with privacy segment enabled.**
170.315 (b)(9): Care Plan	• Ability to export the ccd document including o Patient Name; o Goals o Health Concerns o Health Status Evaluations and Outcomes; and o Interventions • **The system was successfully able to export the CCDA document with above mentioned sections. The test case was run on three different patients.**
§§170.315(c)(1)Clinical quality measures (CQMs) — - Record and Export	• Select certified measures and run the measures. • Export the Cat III and Cat 1 file generated and validate with visual inspection. • **The system was successfully able to export Cat III and CAT I files with the date range defined.**
170.315 (c)(2): Clinical Quality Measures - Import and Calculate	• Import the Cat I file format into the EMR. • Ability to run certified measures from the EMR with CAT I imported files. • **The system was successfully able to import the CAT 1 file**
170.315 (f)(2): Transmission to Public Health Agencies - Syndromic Surveillance	• Ability to export the HL7 message for syndromic surveillance data. Including o Emergency Department o Urgent Care o Inpatient and ambulatory care o Inpatient settings • **The system was successfully able to run the above mentioned test cases. The test cases were run on two selected patients.**

170.315 (f)(3): Transmission to Public Health Agencies - Reportable Laboratory Tests and Values/Results	• Ability to export the HL7 lab results from the EMR. • **The system was successfully able to export the HL7 lab results.**
170.315 (f)(5): Transmission to Public Health Agencies - Electronic Case Reporting	• Ability to export the electronic case reporting through the EMR and export the XML document properly. • **The system was successfully able to export the Electronic case reporting.**

170.315 (f)(6): Transmission to Public Health Agencies - Antimicrobial Use and Resistance Reporting	• Ability to export antimicrobial report to authorized users. • **The system was successfully able to export the antimicrobial report.**
170.315 (f)(7): Transmission to Public Health Agencies - Health Care Surveys	• Ability for the authorized user to export the health care survey. • **The system was successfully able to export the health care survey**
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.**

STANDARDS UPDATES (INCLUDING STANDARDS VERSION ADVANCEMENT PROCESS (SVAP) AND UNITED STATES CORE DATA FOR INTEROPERABILITY(USCDI))

Both required and voluntary standards updates must be addressed in the Real-World Testing plan. RealWorld Testing plans must include all certified health IT updated to newer versions of standards prior to August 31 of the year in which the updates were made.

Indicate as to whether optional standards, via SVAP and/or USCDI, are leveraged as part of the certification of your health IT product(s).

[ ] Yes, I have products certified with voluntary SVAP or USCDI standards. (If yes,please complete the table below.

[X]

No, none of my products include these voluntary standards.

Care Setting(s)

The expectation is that a developer's Real-World Testing is conducted within each type of clinical settingin 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.

Dialysis Access

Change of Plan:

The date of test were changed to 10/15/2023.

Impact: None

Reason: Documentation got completed ahead of time.

Metrics and Outcomes

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)

Health IT developers could also detail outcomes that did not result from their measurement approach if that better describes their efforts.

Within this section, health IT developers should also describe how the specific data collected from their Real-World Testing measures demonstrate their results. Where possible, context should be provided to the measures and results to understand the number of sites/users/transactions tested for the specified measures (i.e., the denominator for comparison to the reported results). If applicable, any Relied Upon Software that is used to meet a criterion's requirements should be included in this section.

Measurement /Metric	Associated Criterion(a)	Relied Upon Software(if applicable)	Outcomes	Challenges Encountered(if applicable)
Electronic prescribing	§170.315(b)(3)	DR First	Is compliant with the certification criteria, including the required technical standards and vocabulary codes sets;	None
Clinical quality measures (CQMs) — report	§170.315(c)(3)	None	Is compliant with the certification criteria, including the required technical standards and vocabulary codes sets;	None
View, download, and transmit to 3rd party	§170.315(e)(1)	EMR Direct, Net Time	Is exchanging electronic health information (EHI) in the care and practice settings for which it is marketed for use	None
Application access — patient selection	§170.315(g)(7)	None	is compliant with the certification criteria, including the required technical	None

			standards and vocabulary codes sets	
Direct Project	§170.315(h)(1)	EMR Direct	Is exchanging electronic health information (EHI) in the care and practice settings for which it is marketed for use	None
Transmission to immunization registries	§170.315(f)(1)	None	is compliant with the certification criteria	None
Transitions of Care	170.315 (b)(1)	EMR Direct	is exchanging electronic health information (EHI) in the care and practice settings for which it is marketed for use	None
Clinical Information Reconciliation and Incorporation	170.315 (b)(2)	None	EHI is received by and used in certified health IT.	None
Data Export	170.315 (b)(6)	None	is compliant with the certification criteria, including the required technical standards and vocabulary codes sets;	None
Data Segmentation for Privacy – Send	170.315 (b)(7)	None	is compliant with the certification criteria, including the required technical standards and	None

			vocabulary codes sets;	
Data Segmentation for Privacy – Receive	170.315 (b)(8)	None	EHI is received by and used in certified health IT.	None
Care Plan	170.315 (b)(9)	None	is compliant with the certification criteria, including the required technical standards and vocabulary codes sets;	None
Clinical Quality Measures - Record and Export	170.315 (c)(1)	None	is compliant with the certification criteria, including the required technical standards and vocabulary codes sets;	None
Clinical Quality Measures - Import and Calculate	170.315 (c)(2)	None	is compliant with the certification criteria	None
Transmission to Public Health Agencies - Syndromic Surveillance	170.315 (f)(2)	None	is compliant with the certification criteria	None
Transmission to Public Health Agencies - Reportable Laboratory Tests and Values/Results	170.315 (f)(3)	None	is compliant with the certification criteria	None
Transmission to Public Health Agencies - Electronic Case Reporting	170.315 (f)(5)	None	is compliant with the certification criteria	None
Transmission to Public Health Agencies -	170.315 (f)(6)	None	is compliant with the certification	None

Antimicrobial Use and Resistance Reporting			criteria	
Transmission to Public Health Agencies - Health Care Surveys	170.315 (f)(7)	None	is compliant with the certification criteria	None
Application Access - All Data Request	170.315 (g)(9)	None	is compliant with the certification criteria	None

KEY MILESTONES

Include a list of key milestones that were met during the Real-World Testing process. Include details onhow and when the developer implemented measures and collected data. Key milestones should be relevant and directly related to the outcomes discussed.

For each key milestone, describe when Real World Testing began in specific care settings and the date/timeframe during which data was collected.

Key Milestone	Care Setting	Date/Timeframe
Electronic prescribing §170.315(b)(3) Three patients were added for the above test cases and all test cases successfully passed.	**Dialysis Access**	**10/15/2023**
Clinical quality measures (CQMs) — report §170.315(c)(3) The certified measures were selected and the system was able to generate the cat III XML successfully.	**Dialysis Access**	**10/15/2023**
View, download, and transmit to 3rd party §170.315(e)(1) Two patients were selected and were able to transmit the CCDA file to other providers successfully.	**Dialysis Access**	**10/15/2023**
Application access — patient selection §170.315(g)(7) The api test was successfully completed.	**Dialysis Access**	**10/15/2023**
Direct Project §170.315(h)(1) The system was tested to send/receive secured emails with 4 patients and was able to send/receive the secured emails with/without attachments.	**Dialysis Access**	**10/15/2023**
Transmission to immunization registries §170.315(f)(1) The system was successfully able to export the hl7 message for immunization for selected patients.	**Dialysis Access**	**10/15/2023**

Transitions of Care 170.315 (b)(1) **The system was successfully able to complete the above mentioned test cases.**	**Dialysis Access**	**10/15/2023**
Clinical Information Reconciliation and Incorporation 170.315 (b)(2) **The system was able to reconcile the patient medication, allergies and problems. Two patients were selected to run the test cases.**	**Dialysis Access**	**10/15/2023**
Data Export 170.315 (b)(6) **The system was successfully able to export the CCDA to specific file path and as well for specific time range.**	**Dialysis Access**	**10/15/2023**
Data Segmentation for Privacy – Send 170.315 (b)(7) **The system was successfully able to send the CCDA with privacy notice segment.**	**Dialysis Access**	**10/15/2023**
Data Segmentation for Privacy – Receive 170.315 (b)(8) **The system was successfully able to import the CCDA with privacy segment enabled.**	**Dialysis Access**	**10/15/2023**
Care Plan 170.315 (b)(9) **The system was successfully able to export the CCDA document with above mentioned sections. The test case was run on three different patients.**	**Dialysis Access**	**10/15/2023**
Clinical Quality Measures - Record and Export 170.315 (c)(1) **The system was successfully able to export Cat III and CAT I files with the date range defined.**	**Dialysis Access**	**10/15/2023**
Clinical Quality Measures - Import and Calculate 170.315 (c)(2) **The system was successfully able to import the CAT 1 file**	**Dialysis Access**	**10/15/2023**
Transmission to Public Health Agencies - Syndromic Surveillance 170.315 (f)(2) **The system was successfully able to run the above mentioned test cases. The test cases were run on two selected patients.**	**Dialysis Access**	**10/15/2023**
Transmission to Public Health Agencies - Reportable Laboratory Tests and Values/Results 170.315 (f)(3) **The system was successfully able to export the HL7 lab results.**	**Dialysis Access**	**10/15/2023**

Transmission to Public Health Agencies - Electronic Case Reporting 170.315 (f)(5) **The system was successfully able to export the Electronic case reporting.**	**Dialysis Access**	**10/15/2023**
Transmission to Public Health Agencies - Antimicrobial Use and Resistance Reporting 170.315 (f)(6) **The system was successfully able to export the antimicrobial report.**	**Dialysis Access**	**10/15/2023**
Transmission to Public Health Agencies - Health Care Surveys 170.315 (f)(7) **The system was successfully able to export the health care survey**	**Dialysis Access**	**10/15/2023**
Application Access - All Data Request 170.315 (g)(9) **The system was successfully able to send the data based on the specific date ranges.**	**Dialysis Access**	**10/15/2023**