.GENERAL INFORMATION

Plan Report ID Number:

Developer Name: Braintree Health

Product Name(s): Braintree

Version Number(s): 9.3.1.1

Certified Health IT

Product List (CHPL) ID(s): 15.02.05.1167.BRNT.01.01.1.211119

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

JUSTIFICATION FOR REAL WORLD TESTING APPROACH

Justification for using demo environment:

All the test case features are not available at the customer site. Hence the test environment is used for testing all test case scenarios. Features like immunization registries and API access to Patient information are not being used by any of the customer.

Measure 1: Electronic prescribing. This measure will assess the functionality used to prescribe the medication for the patient. The associated certification criterion is:

§ *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 (Verify)

Justification:

The send prescriptions is a way to send patient information the EHI. It is typically used for sending the prescriptions of medications to the pharmacy and receive the refills request so the providers can take care of the refills. The module is also used for getting the medication history of the patients and it helps in reconciliation of medications of the patient that is helpful in patient care.

Test methodology: Live patient will be used for testing the above mentioned test cases and the logs will be reviewed that the test cases are working properly or not. Log files obtained during Real world testing will be de-identified and used for analysis in several areas to validate the proper operation of the e prescriptions. This test methodology will primarily test the conformance of the implementation.

Expected outcome(s): It is expected that authorized users will be able to prescribe medications for patients using the prescribe function. Errors in transmission will be tracked and analyzed.

Standard and Version	NA
Updated Certification criteria and associated product	NA
CHPL Product Number	NA
Method used for standard updates	NA
Date of ONC ACB notification	NA
Date of customer notification (SVAP only)	NA
USCDI updated certification (criteria and USCDI version)	NA

Measure 2: Clinical quality measures. This measure will assess the functionality used to create QRDA CAT III XML from the EMR. The associated certification criterion is:

§§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.

Justification:

The clinical quality measure report measure is used for submission of the quality measures to CMS. This helps CMS to determine the performance of the providers.

Test methodology: The CAT III file will be generated from the system and verified that it is according to the spec and the logs will be reviewed that the test cases are working properly or not. Log files obtained during Real world testing will be de-identified and used for analysis in several areas to validate the proper operation of the e prescriptions. This test methodology will primarily test the conformance of the implementation.

Expected outcome(s): It is expected that authorized users will be able to export the CAT III XML files from the EMR. Errors in transmission will be tracked and analyzed.

Standard and Version	NA
Updated Certification criteria and associated product	NA
CHPL Product Number	NA
Method used for standard updates	NA
Date of ONC ACB notification	NA
Date of customer notification (SVAP only)	NA
USCDI updated certification (criteria and USCDI version)	NA

Measure 3: *View, download, and transmit to 3rd party*. This measure will assess the functionality that a patient can login to EMR and view, download and transmit CCD. The associated certification criterion is:

§170.315(e)(1) View, download, and transmit to 3rd party	• Patients should be able to use internet base technology to view, download and 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. •

Justification:

The view, download and transmit measures help increase the interoperability of EHI of patients from the EMR. The measure is vital for patient care as the patient can directly transfer the information from the EMR through secured login.

Test methodology: Patient should be logging in to the EMR through internet based application and perform the required actions. The logs will be reviewed that the test cases are working properly or not. Log files obtained during Real world testing will be de-identified and used for analysis in several areas to validate the proper operation of the e prescriptions. This test methodology will primarily test the conformance of the implementation.

Expected outcome(s): It is expected that authorized patients will be able to view, download and transmit secured emails with CCD from the EMR. Errors in transmission will be tracked and analyzed.

Standard and Version	NA
Updated Certification criteria and associated product	NA
CHPL Product Number	NA
Method used for standard updates	NA
Date of ONC ACB notification	NA
Date of customer notification (SVAP only)	NA
USCDI updated certification (criteria and USCDI version)	NA

Measure 4: *Application access — patient selection*. This measure will assess the functionality that an EMR can receive a request with sufficient information to uniquely identify a patient and return an ID or other token that can be used by an application to subsequently execute requests for that patient's data. The associated certification criterion is:

§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.

Justification:

The application access – patient selection is another step towards promotion of intra operability between EHR. It is typically used for exchanging the patient information through Health IT Module. Export of patient information is an administrative function and should only be available to credentialed users for API.

Test methodology: Postman will be used for testing the implementation and the logs will be reviewed that the test cases are working properly or not. Log files obtained during Real world testing will be de-identified and used for analysis in several areas to validate the proper operation of the e prescriptions. This test methodology will primarily test the conformance of the implementation.

Expected outcome(s): It is expected that authorized users will be able to connect to EMR through API and send patient header information. If enough information is validated the EMR will return patient information otherwise the API will return error messages for not enough data. Errors in transmission will be tracked and analyzed.

Standard and Version	NA
Updated Certification criteria and associated product	NA
CHPL Product Number	NA
Method used for standard updates	NA
Date of ONC ACB notification	NA
Date of customer notification (SVAP only)	NA
USCDI updated certification (criteria and USCDI version)	NA

Measure 5: *Direct Project*. Applicability Statement for Secure Health Transport. Able to send and receive health information in accordance with the standard specified, including formatted only as a "wrapped" message.

Delivery Notification in Direct. Able to send and receive health information in accordance with the standard specified

The associated certification criterion is:

§170.315(h)(1) Direct Project	• Send • Receive • Message Disposition Notification: Processed • Message Disposition Notification: Failed • Required Enhanced Testing, Send • Required Enhanced Testing, Receive

Justification:

The direct measure helps increase the interoperability of EHI of patients from the EMR. The measure is vital for patient care as the patient can directly transfer the information from the EMR through secured emails.

Test methodology: Patient will be logging in to the system for testing and verification that the patient can view, download and transmit the CCD files. Logs will be reviewed that the test cases are working properly or not. Log files obtained during Real world testing will be de-identified and used for analysis in several areas to validate the proper operation of the e prescriptions. This test methodology will primarily test the conformance of the implementation.

Expected outcome(s):

The Health IT can electronically transmit (send and receive) health information to a third party which must be formatted only as a "wrapped" message using the Applicability Statement for Secure Health Transport.

The health IT can electronically transmit (send and receive) health information to a third party using Direct in accordance with the Implementation Guide (IG) for Delivery Notification in Direct.

.Errors in transmission will be tracked and analyzed.

Standard and Version	NA
Updated Certification criteria and associated product	NA
CHPL Product Number	NA
Method used for standard updates	NA
Date of ONC ACB notification	NA
Date of customer notification (SVAP only)	NA
USCDI updated certification (criteria and USCDI version)	NA

Measure 6: *Transmission to immunization registries*. This measure will assess the functionality used to send immunization information from the EMR. The associated certification criterion is:

§*170.315(f)(1) Transmission to immunization registries*	• Export the immunization information as HL7 message

Justification: Immunizations are again vital for the EMR to record of vital immunizations for the patients.

Test methodology: Patient immunization will be exported in HL7 format for testing the implementation and the logs will be reviewed that the test cases are working properly or not. Log files obtained during Real world testing will be de-identified and used for analysis in several areas to validate the proper operation of the e prescriptions. This test methodology will primarily test the conformance of the implementation.

Expected outcome(s): It is expected that authorized users will be able to export the patient immunization data from the EMR as a proper formatted HL7 message. Errors in transmission will be tracked and analyzed.

Standard and Version	NA
Updated Certification criteria and associated product	NA
CHPL Product Number	NA
Method used for standard updates	NA
Date of ONC ACB notification	NA
Date of customer notification (SVAP only)	NA
USCDI updated certification (criteria and USCDI version)	NA

Measure 7: *Transitions of Care*. This measure will assess the functionality that a user can export CCD from the EMR and send direct email. The associated certification criterion is:

§ *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)

Justification: The case management system includes two functionalities of interest: (A) Send transition of care/referral summaries and (B) Receive transition of care referral summaries, including (C) XDM processing. Transitions of care documents are shared using Edge protocols (e.g., SMTP, Direct) while other EHI may be shared through the patient portal using downloads and encrypted or unencrypted transmissions. This metric will provide information on the types of transmissions deployed (e.g., what types of Edge protocols, downloads and unencrypted vs. encrypted transmission) and the frequency of usages.

Test methodology: Case management logs, system logs, and email logs will be reviewed to determine the frequency and the transport mechanism used by providers for sending/receiving transitions of care using Edge protocols and downloading or transmitting EHI by patients using the patient portal. Log files obtained during Real World Testing will be de-identified and used for analysis in several areas to validate the proper operation of the transport mechanisms and input for the calculation of the metric on the specific types of transport mechanisms used. This test methodology will primarily test the conformance of the implementation.

Expected outcome(s): It is expected that providers and patients (or their authorized representatives) will be able to share EHI using the transmission mechanisms provided. Error rates will be tracked and trended over time.

Standard and Version	NA
Updated Certification criteria and associated product	NA
CHPL Product Number	NA
Method used for standard updates	NA
Date of ONC ACB notification	NA
Date of customer notification (SVAP only)	NA
USCDI updated certification (criteria and USCDI version)	NA

Measure 8: *Clinical Information Reconciliation and Incorporation*. This measure will assess the functionality used to receive CCD information from other EMR and incorporate the CCDS to the right patient and reconcile the problems, medications and allergies of the patient. The associated certification criterion is:

§ 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.

Justification: Clinical information is a vital part of intra operability and exchange of patient information. This helps in keeping patient medical record up to date.

Test methodology: Case management logs, system logs will be reviewed to determine the capability for user to incorporate medication, allergies and problems for the correct patient. Log files obtained during Real World Testing will be de-identified and used for analysis in several areas to validate the proper operation of the reconciliation mechanisms and input for the calculation of the metric on the specific types of reconciliation mechanisms used. This test methodology will primarily test the conformance of the implementation

Expected outcome(s): It is expected that authorized users will be able to reconcile the patient problems, medications and allergies data. Errors in transmission will be tracked and analyzed.

Standard and Version	NA
Updated Certification criteria and associated product	NA
CHPL Product Number	NA
Method used for standard updates	NA
Date of ONC ACB notification	NA
Date of customer notification (SVAP only)	NA
USCDI updated certification (criteria and USCDI version)	NA

Measure 9: Data Export. This measure will assess the functionality for the user to be able to export the CCD documents from the EMR. The associated certification criterion is:

170.315 (b)(6): Data Export	• Time frame configuration of export of CCD's • Set the location of export of CCD's Documents.

Justification: Data export is used to export the CCD documents for the patient. These documents help importing patient demographics through CCD's documents.

Test methodology: Case management logs, system logs will be reviewed to determine the capability to exporting the CCD documents for the patients. Log files obtained during Real World Testing will be de-identified and used for analysis in several areas to validate the proper operation of the transport mechanisms and input for the calculation of the metric on the specific types of transport mechanisms used. This test methodology will primarily test the conformance of the implementation.

Expected outcome(s): It is expected that authorized users will be able to export the CCD data from the EMR as a proper formatted CCD XML document. Errors in transmission will be tracked and analyzed.

Standard and Version	NA
Updated Certification criteria and associated product	NA
CHPL Product Number	NA
Method used for standard updates	NA
Date of ONC ACB notification	NA
Date of customer notification (SVAP only)	NA
USCDI updated certification (criteria and USCDI version)	NA

Measure 10: Data Segmentation for Privacy – Send. This measure will assess the functionality used to send CCD documents including privacy tags. The associated certification criterion is:

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.

Justification: Data segment for privacy send is used for exporting CCD document including privacy segment.

Test methodology: Case management logs, system logs will be reviewed to determine the capability to exporting the CCD documents for the patients with privacy segment. Log files obtained during Real World Testing will be de-identified and used for analysis in several areas to validate the proper operation of the transport mechanisms and input for the calculation of the metric on the specific types of transport mechanisms used. This test methodology will primarily test the conformance of the implementation.

Expected outcome(s): It is expected that authorized users will be able to export the CCD data from the EMR as a proper formatted CCD XML document. Errors in transmission will be tracked and analyzed.

Standard and Version	NA
Updated Certification criteria and associated product	NA
CHPL Product Number	NA
Method used for standard updates	NA
Date of ONC ACB notification	NA
Date of customer notification (SVAP only)	NA
USCDI updated certification (criteria and USCDI version)	NA

Measure 11: Data Segmentation for Privacy – Receive. This measure will assess the functionality used to receive CCD documents including privacy tags. The associated certification criterion is:

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.

Justification: Data segment for privacy receive is used for importing CCD document including privacy segment. The EMR also displays the privacy segment once received.

Test methodology: Case management logs, system logs will be reviewed to determine the capability to importing the CCD documents for the patients with privacy segment. Log files obtained during Real World Testing will be de-identified and used for analysis in several areas to validate the proper operation of the transport mechanisms and input for the calculation of the metric on the specific types of transport mechanisms used. This test methodology will primarily test the conformance of the implementation.

Expected outcome(s): It is expected that authorized users will be able to import the CCD data from the EMR as a proper formatted CCD XML document including the privacy segment. Errors in transmission will be tracked and analyzed.

Standard and Version	NA
Updated Certification criteria and associated product	NA
CHPL Product Number	NA
Method used for standard updates	NA
Date of ONC ACB notification	NA
Date of customer notification (SVAP only)	NA
USCDI updated certification (criteria and USCDI version)	NA

Measure 12: Care Plan. This measure will assess the functionality used to export CCD document information from the EMR including care plan configuration. The associated certification criterion is:

170.315 (b)(9): Care Plan	• Ability to export the ccd document including ○ Patient Name; ○ Goals ○ Health Concerns ○ Health Status Evaluations and Outcomes; and ○ Interventions

Justification: Care plan is used for exporting CCD document including goals, health concerns, health evaluation and outcomes and interventions.

Test methodology: Case management logs, system logs will be reviewed to determine the capability to importing the CCD documents for the patients with care plan segments. Log files obtained during Real World Testing will be de-identified and used for analysis in several areas to validate the proper operation of the transport mechanisms and input for the calculation of the metric on the specific types of transport mechanisms used. This test methodology will primarily test the conformance of the implementation.

Expected outcome(s): It is expected that authorized users will be able to import the CCD data from the EMR as a proper formatted CCD XML document including care plan segment. Errors in transmission will be tracked and analyzed.

Standard and Version	NA

Updated Certification criteria and associated product	NA
CHPL Product Number	NA
Method used for standard updates	NA
Date of ONC ACB notification	NA
Date of customer notification (SVAP only)	NA
USCDI updated certification (criteria and USCDI version)	NA

Measure 13: Clinical Quality Measures - Record and Export. This measure will assess the user can create a data file for transmission of CQM data in QRDA Category I (for individual level reports) and Category III from the EMR. The associated certification criterion is:

§§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.

Justification:

The clinical quality measure report measure is used for submission of the quality measures to CMS. This helps CMS to determine the performance of the providers.

Test methodology: The CAT III and Cat I will be generated from the system and verified that it is according to the spec and the logs will be reviewed that the test cases are working properly or not. Log files obtained during Real world testing will be de-identified and used for analysis in several areas to validate the proper operation of the e prescriptions. This test methodology will primarily test the conformance of the implementation.

Expected outcome(s): It is expected that authorized users will be able to create Cat III and Cat I files from the EMR. Errors in transmission will be tracked and analyzed.

Standard and Version	NA
Updated Certification criteria and associated product	NA
CHPL Product Number	NA
Method used for standard updates	NA
Date of ONC ACB notification	NA
Date of customer notification (SVAP only)	NA
USCDI updated certification (criteria and USCDI version)	NA

Measure 14: Clinical Quality Measures - Import and Calculate. This measure will assess the functionality used to import the Cat I files in xml format into the EMR. The associated certification criterion is:

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.

Justification: The clinical quality measure report measure is used for submission of the quality measures to CMS. This helps CMS to determine the performance of the providers.

Test methodology: The Cat I will be imported into the system and verified that it is according to the spec and the logs will be reviewed that the test cases are working properly or not. The certified measures will be run on the imported data. Log files obtained during Real world testing will be de-identified and used for analysis in several areas to validate the proper operation of the e prescriptions. This test methodology will primarily test the conformance of the implementation.

Expected outcome(s): It is expected that authorized users will be able to import Cat I files into the EMR and run measures based on the imported data. Errors in transmission will be tracked and analyzed.

Standard and Version	NA
Updated Certification criteria and associated product	NA
CHPL Product Number	NA
Method used for standard updates	NA
Date of ONC ACB notification	NA
Date of customer notification (SVAP only)	NA
USCDI updated certification (criteria and USCDI version)	NA

Measure 15: Transmission to Public Health Agencies - Syndromic Surveillance. This measure will assess the functionality used to send syndromic surveillance data information from the EMR. The associated certification criterion is:

170.315 (f)(2): Transmission to Public Health Agencies - Syndromic Surveillance	• Ability to export the HL7 message for syndromic surveillance data. Including
	  ○ Emergency Department
	  ○ Urgent Care
	  ○ Inpatient and ambulatory care
	  ○ Inpatient settings

Test methodology: Syndromic Surveillance data will be exported in HL7 format for testing the implementation and the logs will be reviewed that the test cases are working properly or not. Log files obtained during Real world testing will be de-identified and used for analysis in several areas to validate the proper operation of the e prescriptions. This test methodology will primarily test the conformance of the implementation.

Expected outcome(s): It is expected that authorized users will be able to export the syndromic surveillance data from the EMR as a proper formatted HL7 message. Errors in transmission will be tracked and analyzed.

Standard and Version	NA
Updated Certification criteria and associated product	NA
CHPL Product Number	NA
Method used for standard updates	NA
Date of ONC ACB notification	NA
Date of customer notification (SVAP only)	NA
USCDI updated certification (criteria and USCDI version)	NA

Measure 16: Transmission to Public Health Agencies - Reportable Laboratory Tests and Values/Results. This measure will assess the functionality used to export lab results information from the EMR. The associated certification criterion is:

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.

Test methodology: Lab results will be exported in HL7 format for testing the implementation and the logs will be reviewed that the test cases are working properly or not. Log files obtained during Real world testing will be de-identified and used for analysis in several areas to validate the proper operation of the e prescriptions. This test methodology will primarily test the conformance of the implementation.

Expected outcome(s): It is expected that authorized users will be able to export the patient lab results data from the EMR as a proper formatted HL7 message. Errors in transmission will be tracked and analyzed.

Standard and Version	NA
Updated Certification criteria and associated product	NA
CHPL Product Number	NA
Method used for standard updates	NA

Date of ONC ACB notification	NA
Date of customer notification (SVAP only)	NA
USCDI updated certification (criteria and USCDI version)	NA

Measure 17: Transmission to Public Health Agencies - Electronic Case Reporting. This measure will assess the functionality used to send immunization information from the EMR. The associated certification criterion is:

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.

Justification: Electronic case reporting is done for the submission of data to different registries.

Test methodology: Electronic case reporting will be exported in XML format. For testing the implementation and the logs will be reviewed that the test cases are working properly or not. Log files obtained during Real world testing will be de-identified and used for analysis in several areas to validate the proper operation of the e prescriptions. This test methodology will primarily test the conformance of the implementation.

Expected outcome(s): It is expected that authorized users will be able to export the electronic case reporting data from the EMR as a proper formatted HL7 message. Errors in transmission will be tracked and analyzed.

Standard and Version	NA
Updated Certification criteria and associated product	NA
CHPL Product Number	NA
Method used for standard updates	NA
Date of ONC ACB notification	NA
Date of customer notification (SVAP only)	NA
USCDI updated certification (criteria and USCDI version)	NA

Measure 18: Transmission to Public Health Agencies - Antimicrobial Use and Resistance Reporting. This measure will assess the functionality used to export antimicrobial information from the EMR. The associated certification criterion is:

170.315 (f)(6): Transmission to Public Health Agencies - Antimicrobial Use and Resistance Reporting	• Ability to export antimicrobial report to authorized users.

Justification: Antimicrobial reporting is used for submission of data to registries.

Test methodology: Antimicrobial Use and Resistance Reporting will be exported in XML format for testing the implementation and the logs will be reviewed that the test cases are working properly or not. Log files obtained during Real world testing will be de-identified and used for analysis in several areas to validate the proper operation of the e prescriptions. This test methodology will primarily test the conformance of the implementation.

Expected outcome(s): It is expected that authorized users will be able to export the antimicrobial use and resistance reporting data from the EMR as a proper formatted XML message. Errors in transmission will be tracked and analyzed.

Standard and Version	NA
Updated Certification criteria and associated product	NA
CHPL Product Number	NA
Method used for standard updates	NA
Date of ONC ACB notification	NA
Date of customer notification (SVAP only)	NA
USCDI updated certification (criteria and USCDI version)	NA

Measure 19: Transmission to Public Health Agencies - Health Care Surveys. This measure will assess the functionality used to export health care surveys information from the EMR. The associated certification criterion is:

170.315 (f)(7): Transmission to Public Health Agencies - Health Care Surveys	• Ability for the authorized user to export the health care survey.

Justification: Health care surveys can be used to submit important information of patients to the registries.

Test methodology: Health care surveys will be exported in XML format for testing the implementation and the logs will be reviewed that the test cases are working properly or not. Log files obtained during Real world testing will be de-identified and used for analysis in several areas to validate the proper operation of the e prescriptions. This test methodology will primarily test the conformance of the implementation.

Expected outcome(s): It is expected that authorized users will be able to export the health care surveys data from the EMR as a proper formatted HL7 message. Errors in transmission will be tracked and analyzed.

Standard and Version	NA
Updated Certification criteria and associated product	NA
CHPL Product Number	NA
Method used for standard updates	NA
Date of ONC ACB notification	NA
Date of customer notification (SVAP only)	NA
USCDI updated certification (criteria and USCDI version)	NA

Measure 20: Application Access - All Data Request This measure will assess the functionality used to send all CCD categories from the EMR. The associated certification criterion is:

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.

Justification: The application access – all data category request is another step towards promotion of intra operability between EHR. It is typically used for exchanging the patient information through Health IT Module. Export of patient information is an administrative function and should only be available to credentialed users for API.

Test methodology: Postman will be used for testing the implementation and the logs will be reviewed that the test cases are working properly or not. Log files obtained during Real world testing will be de-identified and used for analysis in several areas to validate the proper operation of the e prescriptions. This test methodology will primarily test the conformance of the implementation.

Expected outcome(s): It is expected that authorized users will be able to connect to EMR through API and query for patient information. If enough information is validated the EMR will return patient information otherwise the API will return error messages for not enough data. Errors in transmission will be tracked and analyzed.

Standard and Version	NA
Updated Certification criteria and associated product	NA
CHPL Product Number	NA
Method used for standard updates	NA
Date of ONC ACB notification	NA
Date of customer notification (SVAP only)	NA
USCDI updated certification (criteria and USCDI version)	NA

Following measures will be used for testing of real world approach.

1. *§170.315(b)(3) Electronic prescribing*
2. *§170.315(c)(3) Clinical quality measures (CQMs) — report*

3. *§170.315(e)(1) View, download, and transmit to 3rd party*
4. *§170.315(g)(7) Application access — patient selection*
5. *§170.315(h)(1) Direct Project*
6. *§170.315(f)(1) Transmission to immunization registries*
7. *170.315 (b)(1): Transitions of Care*
8. *170.315 (b)(2): Clinical Information Reconciliation and Incorporation*
9. *170.315 (b)(6): Data Export*
10. *170.315 (b)(7): Data Segmentation for Privacy – Send*
11. *170.315 (b)(8): Data Segmentation for Privacy – Receive*
12. *170.315 (b)(9): Care Plan*
13. *170.315 (c)(1): Clinical Quality Measures - Record and Export*
14. *170.315 (c)(2): Clinical Quality Measures - Import and Calculate*
15. *170.315 (f)(2): Transmission to Public Health Agencies - Syndromic Surveillance*
16. *170.315 (f)(3): Transmission to Public Health Agencies - Reportable Laboratory Tests and Values/Results*
17. *170.315 (f)(5): Transmission to Public Health Agencies - Electronic Case Reporting*
18. *170.315 (f)(6): Transmission to Public Health Agencies - Antimicrobial Use and Resistance Reporting*
19. *170.315 (f)(7): Transmission to Public Health Agencies - Health Care Surveys*
20. *170.315 (g)(9): Application Access - All Data Request*

Measurement/Metric	Associated Certification Criteria	Relied Upon Software (If Applicable)
Electronic Prescribing	*170.315(b)(3)*	Dr First
View, download, and transmit to 3rd party	*170.315(e)(1)*	EMR Direct, Net Time
Direct Project	*170.315(h)(1)*	EMR Direct
Transitions of Care	*170.315 (b)(1)*	EMR Direct

The measures identified are used for intra operability and CMS reporting. Main focus is to show the availability of intra operability for the providers/ patients and the providers can send/receive CCDs through the EMR. As Braintree is certified for Eligible professional environment so the testing capability is available for the EP settings.

CARE SETTING(S)

Care Setting	Justification
Dialysis Access	Braintree Health is certified for EP environment and all our customer base is for EP's so we will be testing through the EP environment.

SCHEDULE OF KEY MILESTONES

Include steps within the Real World Testing plan that establish milestones within the process. Include details on how and when the developer will implement measures and collect data. Key milestones should be relevant and directly related to expected outcomes discussed in the next section.

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

Testing Type	Key Milestone	Care Setting	Date/Timeframe
Point-in-Time Testing: Use	Client recruitment		12/1/2022 to 03/15/2023

Case / Scenario-Based Testing	Scheduling of each recruited client RWT project activities based on representative care setting ⃞ Kick-off ⃞ Review RWT project plan ⃞ Establish RWT execution expectations and timeframes for touchpoint/status calls ⃞ Establish agreed upon testing completion timeframes ⃞ Determine need for client refresher training on certified functionality as required (i.e., Data Export functionality, etc.)	Single Provider offices comprising of below: ⃞ Dialysis Access	1/2/2023 to 03/15/2023
	Conduct RWT activities over 6 to 8 week timeframe for each client ⃞ Execution of RWT by client with Braintree Health support for guidance/problem-solving ⃞ Documentation of outcomes of RWT activities throughout testing process	Provider offices comprising of below: ⃞ Dialysis Access	04/1/2023 to 07/15/2023
	Investigation of any client identified potential nonconformance during RWT activities	Provider offices comprising of below: ⃞ Dialysis Access	04/1/2023 to 07/15/2023
	Review and analysis of output from individual client RWT outputs concurrently with client testing activities	Provider offices comprising of below: ⃞ Dialysis Access	04/1/2023 to 07/15/2023
	Follow-up, clarification and retesting with client participants as required	Provider offices comprising of below: ⃞ Dialysis Access	08/1/2023 to 08/15/2023
	Aggregation of all client RWT outputs into a final RWT Report section for Point-in-Time Testing	Provider offices comprising of below: ⃞ Dialysis Access	9/1/2023 to 11/30/2023

Ongoing Testing: Reporting Metrics by Certification Criterion	Deployment of Metric Reports at all client sites that participate in Promoting Interoperability reporting for certification criterion with data solely available in client databases □ Report automation configuration will be set up to run the reports monthly, transmit them to a secure site with an automated aggregation monthly calculation	Entire client base that participates in Promoting Interoperability reporting	1/2/2023 to 03/15/2023
	Monthly reports provided by internal/3rd party teams managing common/shared functionality as follows: □ Direct Messaging □ Braintree Health Patient Portal	Entire client base that participates in Promoting Interoperability reporting	1/1/2023 to 12/31/2023
	Monthly aggregation of reports from all sources	Entire client base that participates in Promoting Interoperability reporting	2/1/2023 to 12/31/2023
	Monthly review and monitoring of aggregated report output from all sources	Entire client base that participates in Promoting Interoperability reporting	2/1/2023 to 12/31/2023
	Preparation of final aggregated report output from all sources for inclusion in RWT Report	Entire client base that participates in Promoting Interoperability reporting	1/1/2024 to 1/15/2024

Final Submission Date for Results: 1/15/2024

ATTESTATION

This Real World Testing plan is complete with all required elements, including measures that address all certification criteria and care settings. All information in this plan is up to date and fully addresses the Health IT Developer's Real World Testing requirements.

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Date: 10/06/22