REAL WORLD TESTING PLAN

BACKGROUND

Under the ONC Health IT Certification Program (Program), the **Indian Health Service** (IHS) is required to conduct Real World Testing (RWT) of their Certified Health IT (CHIT); otherwise referred to as the IHS Electronic Health Record (EHR). The Office of the National Coordinator for Health Information Technology (ONC) issues Real World Testing resources to clarify responsibilities for conducting Real World Testing.

As a participant in the ONC Health IT Certification Program, the IHS must conduct RWT annually as a Condition and Maintenance of Certification (CMoC) requirement. This annual requirement is outlined in the ONC 21st Century Cures Act Final Rule, which demonstrates interoperability and functionality of the IHS CHIT in real world settings and scenarios. RWT verifies the IHS Certified Health IT continues to perform as intended by conducting and measuring observations of interoperability and data exchange for the criteria specified in this Real World Testing Plan (RWTP). These observations will be reported by each participant to the IHS, which will be consolidated and submitted as Real World Testing Results (RWTR).

INSTRUCTIONS

The information in this RWTP is organized by specific criteria included in the **Patient Care Coordination category**. This plan contains sections, which explains/clarifies how the RWT approach addresses each criteria within this category. RWT participants will execute/complete the use case(s) in this RWTP using their normal workflows and processes in the appropriate care setting defined in the care setting(s) section, report any issues/non-conformities found during RWT within 30 days of finding, and provide the IHS with RWTR on the measurements/metrics listed in this RWTP by the date identified in Schedule of Key Milestones section.

GENERAL INFORMATION

Plan Report ID Number:	20221025IND - 03
Developer Name:	The Indian Health Service
Product Name	Resource and Patient Management System Electronic Health Record (RPMS Suite (BCER))
Version Number	v 6.0
Certified Health IT Product List (CHPL) ID	15.02.05.1673.RPMS.01.04.1.220302
Developer Real World Testing Plan Page URL	https://www.ihs.gov/promotinginteroperability/certificationoverview/real-world-testing/

Contents

Use Case Scenarios

USE CASE 1: §170.315(b)(1) TRANSITIONS OF CARE

Use Case	Use Case Overview
Use Case - §170.315(b)(1) Transitions of Care – Ambulatory/Inpatient)	The IHS has developed an electronic health record system to ensure the timely availability of patient information within an ambulatory and Inpatient setting. This Certified Health IT Module is for use in situations where documentation needs to be coordinated between providers within and outside of a healthcare organization. The shared documentation includes the creation of, the sending, and receiving of standardized transitions of care (ToC) documents, which includes the United States Core Data for Interoperability (USCDI) and are shared between organizations using the Direct project SMTP protocol technology.

JUSTIFICATION FOR REAL WORLD TESTING APPROACH

The justification for this Patient Care Coordination Category RWT approach is to execute the functions users perform to demonstrate interoperability for the following activities:

- (b)(1) Generate and Send a Transition of Care document for a patient to a referring provider via RPMS Direct Messaging.
- (b)(1) Receive a Transition of Care document for a patient from a referring provider via RPMS Direct Secure Messaging.

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

The RWT for this category will include the standards used as part of the 2015 CHIT certification, which is publicized on the ONC Certified Health IT Product List (CHPL) website.

Standard (and version)	§ 170.213 USCDI v1
Updated certification criteria and associated product	(b)(1): Transitions of Care; RPMS EHR (BCER) v6.0
Health IT Module CHPL ID	15.02.05.1673.RPMS.01.04.1.220302
Method used for standard update	2015 Editions Cures Update
Date of ONC ACB notification	08/15/2022
Date of customer notification (SVAP only)	N/A
Conformance measure	Generate and send transitions of care documents and receive and display transitions of care documents.
USCDI updated certification criteria (and USCDI version)	(b)(1): Transitions of Care; USCDI v1

MEASURES USED IN OVERALL APPROACH

Description of Measurement/Metric

Describe the measure(s) that will be used to support the overall approach to Real World Testing.

Measurement/Metric	Description
Measure 1: §170.315(b)(1) Information Sharing	This measure will demonstrate the sharing of transitions of care documents, as well as the receipt of transition of care documents.

Associated Certification Criteria

List certification criteria associated with the measure and if updated to the 2015 Edition Cures Update criteria. If conformance to the criteria depends on any Relied Upon Software, this should be noted in your Real World Testing plan for any metrics that would involve use of that software in testing.

Measurement/Metric	Associated Certification Criteria	Relied Upon Software (if applicable)
§170.315(b)(1) Transitions of Care (ToC)	(i)(A) Send transition of care/referral summaries (i)(B) Receive transition of care/referral summaries (ii)(B) Display human readable version of the ToC	N/A

Justification for Selected Measurement/Metric

Provide an explanation for the measurement/metric selected to conduct Real World Testing.

Measurement/Metric	Justification
Measure 1: §170.315(b)(1) Information Sharing	The EHR system includes three (3) functionalities of interest: (A) Send transition of care/referral summaries, (B) Receive transition of care referral summaries, and (C) Display in human-readable format. Transitions of care documents are shared using the Direct project protocols (e.g., SMTP, Direct) via encrypted transmissions. This metric will provide information on the types of transmissions deployed (e.g., what types of protocols and encrypted transmission) and the frequency of usages. In addition users will be able to view the ToC in a human readable format.

Testing Method(s)/Methodology(ies)

Measurement/Metric	Test Methodology
Measure 1: §170.315(b)(1) Information Sharing	System logs will be reviewed to determine the frequency and the transport mechanism used by providers for sending/receiving transitions of care using the Direct protocols. 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.

Care Setting(s)

Measure/Metric	Care Setting	Justification
Measure 1: §170.315(b)(1) Information Sharing	Ambulatory /Inpatient	The EHR system supports the deployment and tracking of documentation within and outside of the ambulatory/inpatient settings.

Expected Outcomes

Measurement/Metric	Expected Outcomes
Measure 1: §170.315(b)(1) Information Sharing	It is expected that providers will be able to share transitions of care using the transmission mechanisms provided and view transitions of care documents in a human readable format. Error rates will be tracked and trended over time.

End of Use Case 1

USE CASE 2: §170.315(b)(2) CLINICAL INFORMATION RECONCILIATION AND INCORPORATION

Use Case	Use Case Overview
Use Case 2: §170.315(b)(2) Clinical Information Reconciliation and Incorporation – Ambulatory/Inpatient)	The IHS has developed an electronic health record system to ensure the timely reconciliation of patient information within an ambulatory and inpatient setting. This Certified Health IT Module is for use in situations where documentation needs to be coordinated between providers within and outside of a healthcare organization. The shared documentation includes transitions of care documents, which requires specific health information, such as medications, allergies, and problems to be reconciled in a timely manner to provide better patient care.

JUSTIFICATION FOR REAL WORLD TESTING APPROACH

The justification for this Patient Care Coordination Category RWT approach is to execute the functions users perform to demonstrate interoperability for the following activities:

- (b)(2) Import and reconcile information from other facilities via Transition of Care document or from the patient or caregiver to ensure all relevant information is available for the care of the patient.

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

The RWT for this category will include the standards used as part of the 2015 CHIT certification, which is publicized on the ONC Certified Health IT Product List (CHPL) website.

Standard (and version)	§ 170.213 USCDI v1
Updated certification criteria and associated product	(b)(2): Clinical Information Reconciliation and Incorporation; RPMS EHR (BCER) v6.0
Health IT Module CHPL ID	15.02.05.1673.RPMS.01.04.1.220302
Method used for standard update	2015 Editions Cures Update
Date of ONC ACB notification	08/15/2022
Date of customer notification (SVAP only)	Match, display, and incorporate medications, allergies, and problems
Conformance measure	Information Sharing: Send, Receive, and display of transition of care summaries.
USCDI updated certification criteria (and USCDI version)	(b)(2): Clinical Information Reconciliation and Incorporation; USCDI v1

MEASURES USED IN OVERALL APPROACH

Description of Measurement/Metric

Describe the measure(s) that will be used to support the overall approach to Real World Testing.

Measurement/Metric	Description
Measure 2: §170.315(b)(2) Information Reconciliation	This measure will capture the reconciliation of imported transition of care documents.

Associated Certification Criteria

List certification criteria associated with the measure and if updated to the 2015 Edition Cures Update criteria. If conformance to the criteria depends on any Relied Upon Software, this should be noted in your Real World Testing plan for any metrics that would involve use of that software in testing.

Measurement/Metric	Associated Certification Criteria	Relied Upon Software (if applicable)
§170.315(b)(2) Clinical information reconciliation and incorporation	(ii) Manually match CCDA with patient	

Justification for Selected Measurement/Metric

Provide an explanation for the measurement/metric selected to conduct Real World Testing.

Measurement/Metric	Justification
Measure 2: §170.315(b)(2) Information Reconciliation	The EHR system CIR Tool is intended to allow providers and other clinical staff to reconcile information from other facilities or from the patient or caregiver to ensure all relevant information is available for the care of the patient. Information may be obtained from sources such as documents sent to your facility in the Consolidated Clinical Document Architecture (CCDA) format, or from a patient or caregiver interview, a medication list the patient or caregiver has, actual medication bottles, or any other source that can provide information regarding problems, adverse reactions, or medications.

Testing Method(s)/Methodology(ies)

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Measurement/Metric	Test Methodology
Measure 2: §170.315(b)(2) Information Reconciliation	System logs will be reviewed for each period to determine the frequency of use. 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 export. This test methodology will primarily test the conformance of the implementation.

Care Setting(s)

Measure/Metric	Care Setting	Justification
Measure 2: §170.315(b)(2) Information Reconciliation	Ambulatory /Inpatient	The EHR system supports the deployment and tracking of documentation within and outside of the ambulatory/ inpatient settings.

Expected Outcomes

Measurement/Metric	Expected Outcomes
Measure 2: §170.315(b)(2) Information Reconciliation	It is expected that users will be able to match received CCDA data to the patient, display, and incorporate medications, allergies, and problems into the patient's record using the EHR CIR tool. Error rates will be tracked and trended over time.

End of Use Case 2

Use Case 3: §170.315(b)(3) ELECTRONIC PRESCRIBING

Use Case	Use Case Overview
Use Case 3 (Care Coordination: §170.315(b)(3) Electronic Prescribing - Ambulatory)	The IHS has developed an electronic health record system to ensure prescriptions can be sent/received electronically to/from participating pharmacies. This Certified Health IT Module is for transmitting electronic prescriptions using the NCPDP NIST standard via the NCPDP v2017071 network. The transmissions of these electronic prescriptions include several message types between the IHS and participating pharmacies.

JUSTIFICATION FOR REAL WORLD TESTING APPROACH

The justification for this Patient Care Coordination Category RWT approach is to execute the functions users perform to demonstrate interoperability for the following activities:

- b)(3)How electronic prescribed medications are sent and received to treat specific diagnosis

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

The RWT for this category will include the standards used as part of the 2015 CHIT certification, which is publicized on the ONC Certified Health IT Product List (CHPL) website.

Standard (and version)	§ 170.205(b)(1) NCPDP SCRIPT Standard, Implementation Guide, Version 2017071 § 170.207(d)(3) RxNorm, September 8, 2015 Full Release Update
Updated certification criteria and associated product	(b)(3) Electronic Prescribing
Health IT Module CHPL ID	15.02.05.1673.RPMS.01.04.1.220302
Method used for standard update	ONC Certification with Underwriters Laboratories. ONC Test Method; Version: 2.3 NCPDP E-prescribing; Version: 1.2.39 ONC Test Method; Version: 2.3.24
Date of ONC ACB notification	08/19/2021
Date of customer notification (SVAP only)	09/15/2021
Conformance measure	N/A
USCDI updated certification criteria (and USCDI version)	N/A

MEASURES USED IN OVERALL APPROACH

Description of Measurement/Metric

Describe the measure(s) that will be used to support the overall approach to Real World Testing.

Measurement/Metric	Description
Measure 3: §170.315(b)(3) e-Prescribe Medication	This measure captures electronically prescribed medications using the NCPDP Network.

Associated Certification Criteria

List certification criteria associated with the measure and if updated to the 2015 Edition Cures Update criteria. If conformance to the criteria depends on any Relied Upon Software, this should be noted in your Real World Testing plan for any metrics that would involve use of that software in testing.

Measurement/Metric	Associated Certification Criteria	Relied Upon Software (if applicable)
§170.315(b)(3) Electronic prescribing	(ii)(A) Send/Receive prescription transactions electronically (ii)(C) Send/Receive reason for the ePrescription (ii)(E) ePrescribed oral liquid meds in mL (ii)(F) Leading and Trailing Zeros	N/A

Justification for Selected Measurement/Metric

Provide an explanation for the measurement/metric selected to conduct Real World Testing.

Measurement/Metric	Justification
Measure 3: §170.315(b)(3) e-Prescribe Medication	The EHR system allows providers to send and receive prescription messages electronically via the NCPDP Secure Network to participating pharmacies with the NCPDP network. In addition, electronically prescribed medications include reason for prescription, contain a leading zero when applicable, no trailing zeros, and any oral liquid medications are prescribed in "mL" dosage.

Testing Method(s)/Methodology(ies)

Measurement/Metric	Test Methodology
Measure 3: §170.315(b)(3) e-Prescribe Medication	System logs will be reviewed to determine the frequency and the transport mechanism used by providers for sending/receiving electronically prescribed using the NCPDP network. 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. • Measure failed electronic prescription transmissions as a % of total electronic prescription transmissions. • Measure electronic prescriptions with a diagnosis as a % of total electronic prescriptions. • Measure electronic prescriptions with decimal dosages containing no leading zero when applicable or with a trailing zero as a % of total electronic prescriptions with decimal dosages. Measure electronic prescriptions for oral liquid medications without a "mL" dosage as a % of total electronic prescriptions for oral liquid medications.

Care Setting(s)

Measure/Metric	Care Setting	Justification
Measure 3: §170.315(b)(3) e-Prescribe Medication	Ambulatory	The EHR system supports the deployment and tracking of documentation within and outside of the ambulatory setting.

Expected Outcomes

Measurement/Metric	Expected Outcomes
Measure 3: §170.315(b)(3) e-Prescribe Medication	It is expected that providers will be able to send/receive electronic prescriptions and messages as described to/from participating NCPDP pharmacies using the NCPDP Network. Error rates will be tracked and trended over time.

End of Use Case 3

USE CASE 4: §170.315(b)(6) DATA EXPORT – SINGLE PATIENT

Use Case	Use Case Overview
Use Case 4: §170.315(b)(6) Data Export – Single Patient – Ambulatory/Inpatient)	The IHS has developed an electronic health record system to ensure the timely availability of patient information within an ambulatory and inpatient setting. This Certified Health IT Module is for use in situations where documentation needs to be coordinated between providers within and outside of a healthcare organization or ported from one certified health IT system to another. The shared documentation includes the export of a single patient healthcare record in real-time.

JUSTIFICATION FOR REAL WORLD TESTING APPROACH

The justification for this Patient Care Coordination Category RWT approach is to execute the functions users perform to demonstrate interoperability for the following activities:

- (b)(6) How users generate single and multiple patient Data Exports

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

The RWT for this category will include the standards used as part of the 2015 CHIT certification, which is publicized on the ONC Certified Health IT Product List (CHPL) website.

Note: *The criterion listed as part of this category have not been updated to any new standards, SVAP, or USCDI prior to August 31, 2022; therefore, this section is not applicable for the calendar year 2023 RWT effort.*

Standard (and version)	N/A
Updated certification criteria and associated product	N/A
Health IT Module CHPL ID	15.02.05.1673.RPMS.01.04.1.220302
Method used for standard update	N/A
Date of ONC ACB notification	N/A
Date of customer notification (SVAP only)	N/A
Conformance measure	N/A
USCDI updated certification criteria (and USCDI version)	N/A

MEASURES USED IN OVERALL APPROACH

Description of Measurement/Metric

Describe the measure(s) that will be used to support the overall approach to Real World Testing.

Measurement/Metric	Description
Measure 4: §170.315(b)(6) Single Patient Export	This measure will assess functionality used to export data for a single patient.

Associated Certification Criteria

List certification criteria associated with the measure and if updated to the 2015 Edition Cures Update criteria. If conformance to the criteria depends on any Relied Upon Software, this should be noted in your Real World Testing plan for any metrics that would involve use of that software in testing.

Measurement/Metric	Associated Certification Criteria	Relied Upon Software (if applicable)
§170.315(b)(6) Data Export	(ii) Create an export summary for a single patient (iii)(A) User can set date range for export (iii)(B) Export in real-time (iv) Save export	N/A

Justification for Selected Measurement/Metric

Provide an explanation for the measurement/metric selected to conduct Real World Testing.

Measurement/Metric	Justification
Measure 4: §170.315(b)(6) Single Patient Export	The export of patient data is another way to share information with an external organization. The export is typically used when there is a need for a full patient record. This metric will provide information on the type of data exported for a single patient and the frequency of usage.

Testing Method(s)/Methodology(ies)

Measurement/Metric	Test Methodology
Measure 4: §170.315(b)(6) Single Patient Export	System logs will be reviewed for each period to determine the frequency of use. 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 export. This test methodology will primarily test the conformance of the implementation.

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Care Setting(s)

Measure/Metric	Care Setting	Justification
Measure 4: §170.315(b)(6) Single Patient Export	Ambulatory /Inpatient	The EHR system supports the deployment and tracking of documentation within and outside of the ambulatory/inpatient settings.

Expected Outcomes

Measurement/Metric	Expected Outcomes
Measure 4: §170.315(b)(6) Single Patient Export	It is expected that authorized users will be able to export and share data for a single patient using the export function. Error rates will be tracked and trended over time.

End of Use Case 4

USE CASE 5: §170.315(b)(6) Data Export – Multiple Patient – Ambulatory/Inpatient)

Use Case	Use Case Overview
Use Case 5 (Care Coordination: §170.315(b)(6) Data Export – Multiple Patient – Ambulatory/Inpatient)	The IHS has developed an electronic health record system to ensure the timely availability of patient information within an ambulatory and inpatient setting. This Certified Health IT Module is for use in situations where documentation needs to be coordinated between providers within and outside of a healthcare organization or ported from one certified health IT system to another. The shared documentation includes the export of multiple patient healthcare records for a specific period date and time.

JUSTIFICATION FOR REAL WORLD TESTING APPROACH

The justification for this Patient Care Coordination Category RWT approach is to execute the functions users perform to demonstrate interoperability for the following activities:
    (b)(6) How users generate single and multiple patient Data Exports

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

The RWT for this category will include the standards used as part of the 2015 CHIT certification, which is publicized on the ONC Certified Health IT Product List (CHPL) website.

Note: The criterion listed as part of this category have not been updated to any new standards, SVAP, or USCDI prior to August 31, 2022; therefore, this section is not applicable for the calendar year 2023 RWT effort.

Standard (and version)	N/A
Updated certification criteria and associated product	N/A
Health IT Module CHPL ID	15.02.05.1673.RPMS.01.04.1.220302
Method used for standard update	N/A
Date of ONC ACB notification	N/A
Date of customer notification (SVAP only)	N/A
Conformance measure	N/A
USCDI updated certification criteria (and USCDI version)	N/A

MEASURES USED IN OVERALL APPROACH

Description of Measurement/Metric

Describe the measure(s) that will be used to support the overall approach to Real World Testing.

Measurement/Metric	Description
Measure 5: §170.315(b)(6) Multiple Patient Export	This measure will assess the functionality used to export data for multiple patients.

Associated Certification Criteria

List certification criteria associated with the measure and if updated to the 2015 Edition Cures Update criteria. If conformance to the criteria depends on any Relied Upon Software, this should be noted in your Real World Testing plan for any metrics that would involve use of that software in testing.

Measurement/Metric	Associated Certification Criteria	Relied Upon Software (if applicable)
§170.315(b)(6) Data Export	(ii) Create an export summary for a multiple patients (iii)(A) User can set date range for export (iii)(B) Export on specific date/time (iv) Save export	N/A

Justification for Selected Measurement/Metric

Measurement/Metric	Justification
Measure 5: §170.315(b)(6) Multiple Patients Export	The export of multiple patient data is another way to share information with an external organization. Multiple patient exports are typically used when there is a need for a patient records contained within a system and are ported to another certified health IT system. This metric will provide information on the type of data exported for a single patient and the frequency of usage.

Testing Method(s)/Methodology(ies)

Measurement/Metric	Test Methodology
Measure 5: §170.315(b)(6) Multiple Patients Export	System logs will be reviewed for each period to determine the frequency of use. 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 export. This test methodology will primarily test the conformance of the implementation.

Care Setting(s)

Measure/Metric	Care Setting	Justification
Measure 5: §170.315(b)(6) Multiple Patients Export	Ambulatory /Inpatient	The EHR system supports the deployment and tracking of documentation within and outside of the inpatient/ambulatory settings.

Expected Outcomes

Measurement/Metric	Expected Outcomes
Measure 5: §170.315(b)(6) Multiple Patients Export	It is expected that authorized users will be able to export multiple patient data using the export function. Error rates will be tracked and trended over time.

End of Use Case 5

USE CASE 6: §170.315(e)(1) VIEW, DOWNLOAD, TRANSMIT

Use Case	Use Case Overview
Use Case 6 (Patient Engagement – §170.315(e)(1) View, Download, Transmit Ambulatory/Inpatient)	The IHS has developed a web application called the Personal Health Record (PHR), where patients (and their authorized representative) can maintain and manage their health information in a private, secure, and confidential environment within an Ambulatory and/or Inpatient setting. The health IT must allow patients (and their authorized representatives) to view, download and transmit their health information within a patient (or authorized representative) specified timeframe.

JUSTIFICATION FOR REAL WORLD TESTING APPROACH

The justification for this Patient Care Coordination Category RWT approach is to execute the functions users perform to demonstrate interoperability for the following activities:

- (e)(1) Patients and their authorized representatives can View, Download, and Transmit data for a specified timeframe via the PHR.

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

The RWT for this category will include the standards used as part of the 2015 CHIT certification, which is publicized on the ONC Certified Health IT Product List (CHPL) website.

Standard (and version)	§ 170.213 USCDI v1
Updated certification criteria and associated product	(e)(1): View, Download, and Transmit to 3rd Party; RPMS EHR (BCER) v6.0
Health IT Module CHPL ID	15.02.05.1673.RPMS.01.04.1.220302
Method used for standard update	2015 Editions Cures Update
Date of ONC ACB notification	08/15/2022
Date of customer notification (SVAP only)	N/A
Conformance measure	Patients view, download, and transmit their health information.
USCDI updated certification criteria (and USCDI version)	(e)(1): View, Download, and Transmit to 3rd Party; USCDI v1

MEASURES USED IN OVERALL APPROACH

Description of Measurement/Metric

Describe the measure(s) that will be used to support the overall approach to Real World Testing.

Measurement/Metric	Description
Measure 6: §170.315(e)(1) View, Download, Transmit	The measure will demonstrate the viewing, downloading, and transmitting of health information via an encrypted secure (Direct) or unsecure (SMTP) method for a timeframe specified by a patient or their authorized representative using their PHR.

Associated Certification Criteria

List certification criteria associated with the measure and if updated to the 2015 Edition Cures Update criteria. If conformance to the criteria depends on any Relied Upon Software, this should be noted in your Real World Testing plan for any metrics that would involve use of that software in testing.

Measurement/Metric	Associated Certification Criteria	Relied Upon Software (if applicable)
§170.315(e)(1) View, download and transmit	(i)(A) View an ambulatory summary or inpatient summary (i)(B) Download an ambulatory summary or inpatient summary (i)(C) Transmit a message using secure or unsecure method (i)(D) Timeframe Selection	N/A

Justification for Selected Measurement/Metric

Measurement/Metric	Justification
Measure 6: §170.315(e)(1) View, Download, Transmit	The PHR system includes three (3) functionalities of Interest: (A) The Viewing of personal health information within a specified timeframe (D), (B) Downloading their personal Health information and (C) The ability to transmit personal health information to others. Real world testing will include the functions necessary to satisfy these functionalities, thus demonstrating real world interoperability and applicability.

Testing Method(s)/Methodology(ies)

Measurement/Metric	Test Methodology
Measure 6: §170.315(e)(1) View, Download, Transmit	PHR logs will be reviewed for each period to determine the frequency of patient (or authorized representative) PHR activity/use. Log files obtained during Real World Testing will be de-identified and used for analysis in several areas to validate the proper operation of view, download, and transmit. This test methodology will primarily test the conformance of the implementation.

Care Setting(s)

Measure/Metric	Care Setting	Justification
Measure 6: §170.315(e)(1) View, Download, Transmit	Ambulatory/Inpatient	The certified health IT system supports the deployment and tracking of PHR activity within and outside of the ambulatory/inpatient settings.

Expected Outcomes

Measurement/Metric	Expected Outcomes
Measure 6: §170.315(e)(1) View, Download, Transmit	It is expected that Patients (or their authorized representative) will be able to View, Download and Transmit CCDA (English/human readable), Laboratory test reports and Diagnostic Imaging interpretations. Error rates will be tracked over time.

End of Use Case 6

USE CASE 7: (ELECTRONIC EXCHANGE - §170.315(h)(1) DIRECT PROJECT

Use Case	Use Case Overview
Measure 7: §170.315(h)(1) Electronic Exchange (Direct Project)	The measure will demonstrate the electronic transmission of health information to a 3rd party using the RPMS Direct system.

JUSTIFICATION FOR REAL WORLD TESTING APPROACH

The justification for this Patient Care Coordination Category RWT approach is to execute the functions users perform to demonstrate interoperability for the following activities:

- (h)(1) Send and Receive health information to/from a 3rd party

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

The RWT for this category will include the standards used as part of the 2015 CHIT certification, which is publicized on the ONC Certified Health IT Product List (CHPL) website.

Note: *The criterion listed as part of this category have not been updated to any new standards, SVAP, or USCDI prior to August 31, 2022; therefore, this section is not applicable for the calendar year 2023 RWT effort.*

Standard (and version)	N/A
Updated certification criteria and associated product	N/A
Health IT Module CHPL ID	15.02.05.1673.RPMS.01.04.1.220302
Method used for standard update	N/A
Date of ONC ACB notification	N/A
Date of customer notification (SVAP only)	N/A
Conformance measure	N/A
USCDI updated certification criteria (and USCDI version)	N/A

MEASURES USED IN OVERALL APPROACH

Description of Measurement/Metric

Measurement/Metric	Description
Measure 7: §170.315(h)(1) Electronic Exchange (Direct Project)	The measure will demonstrate the electronic transmission of health information to a 3rd party using the RPMS Direct system.

Associated Certification Criteria

Measurement/Metric	Associated Certification Criteria	Relied Upon Software (if applicable)
§170.315(h)(1) Direct Project	(i) The Health IT can electronically transmit (send and receive) health information to a 3rd party	N/A

Justification for Selected Measurement/Metric

Measurement/Metric	Justification
Measure 7: §170.315(h)(1) Electronic Exchange (Direct Project)	The Health IT can electronically transmit (send and Receive) health information to a 3rd party using the RPMS Direct Secure Messaging system.

Testing Method(s)/Methodology(ies)

Measurement/Metric	Test Methodology
Measure 7: §170.315(h)(1) Electronic Exchange (Direct Project)	Verification of the identified health information is successfully transmitted to a 3rd party using the RPMS Direct system, in accordance with specified standards. The tester verifies that health information can be sent/received successfully and all sent messages to a Direct Trust partner returns an Message Disposition Notification (MDN). RPMS Direct Secure Messaging system logs will be used to determine the frequency of transmitted messages. Log files obtained during Real World Testing will be de-identified and used for analysis in several areas to validate the proper operation of view, download, and transmit. This test methodology will primarily test the conformance of the implementation.

Care Setting(s)

Measure/Metric	Care Setting	Justification
Measure 7: §170.315(h)(1) Electronic Exchange (Direct Project)	Ambulatory/ Inpatient	The certified health IT system supports the deployment and tracking of documentation within and outside of the ambulatory/inpatient settings.

Expected Outcomes

Measurement/Metric	Expected Outcomes
Measure 7: §170.315(h)(1) Electronic Exchange (Direct Project)	It is expected that health information can be sent and received successfully by the Health IT Module using the RPMS Direct system. Error rates will be tracked over time.

End of Use Case 7

SCHEDULE OF KEY MILESTONES

Key Milestone	Care Setting	Date/Timeframe
Outreach and communication to obtain site participation and commitment	Ambulatory/Inpatient	Quarter 1, 2023
Release of documentation for the Real-World Testing to be provided to authorized representatives/participants and providers. This includes surveys, specific instructions on what to look for, how to record issues encountered, and Customer Agreements.	Ambulatory/Inpatient	Quarter 2, 2023
Begin data collection of Real-World Testing Results	Ambulatory/Inpatient	Quarterly, 2023
Follow-up with authorized representatives/participants and providers on a regular basis to understand any issues arising with the data collection.	Ambulatory/Inpatient	Quarterly, 2023
End of Real-World Testing period/participants submit final collection of all data for analysis as real-world testing results to IHS.	Ambulatory/Inpatient	Quarter 4, 2023
Analysis and real-world testing results report creation.	Ambulatory/Inpatient	January 12, 2024
Real-world testing results submission to ACB	Ambulatory/Inpatient	January 15, 2024

ATTESTATION

The Real World Testing plan must include the following attestation signed by the health IT developer authorized representative.

Note: The plan must be approved by a health IT developer authorized representative capable of binding the health IT developer for execution of the plan and include the representative's contact information.[ii]

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.

Authorized Representative Name:

Charles Cross

Authorized Representative Email:

charles.cross@ihs.gov

Authorized Representative Phone:

405-323-4776

Authorized Representative Signature:

Charles P.
Cross -S

Digitally signed by Charles P.
Cross -S
Reason: Acting
Date: 2022.12.05 21:18:51 -06'00'

Date: 12/05/2022

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[i] Certified health IT continues to be compliant with the certification criteria, including the required technical standards and vocabulary codes sets; certified health IT is exchanging EHI in the care and practice settings for which it is marketed for use; and EHI is received by and used in the certified health IT. (85 FR 25766)

[ii] https://www.federalregister.gov/d/2020-07419/p-3582