iPatientCare

Real World Test Plan 2024

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CY 2024 Real World Testing Plan for iPatientCare

Executive Summary

This is the real world test plan for CY 2024 for iPatientCare certified EHR solution. It provides the real world test measurements and metrics that meet the intent and objectives of ONC's Condition of Certification and Maintenance of Certification requirement for real world testing (§ 170.405 Real world testing) to evaluate compliance with the certification criteria and interoperability of exchanging electronic health information (EHI) within the care and practice setting which it is targeted for use.

As ONC has stated in its rule, "The objective of real world testing is to verify the extent to which certified health IT deployed in operational production settings is demonstrating continued compliance to certification criteria and functioning with the intended use cases as part of the overall maintenance of a health IT's certification." We have worked toward this objective in designing our test plan and its subsequent real world testing measurements and metrics.

This document builds toward the final testing measurements and metrics we will use to evaluate our product interoperability within production settings. Within each use case, we document our testing methodology for the measure/metric we plan to employ. We also include the associated ONC criteria, our justification for measurement selection, our expected outcomes from the testing, the care settings applied for this measure, and if applicable the number of clients to use in our real world testing.

We have included our timeline and milestones for completing the real world testing in CY 2024, and information about compliance with the Standards Version Advancement Process updates.

Our signed attestation of compliance with the real world testing requirements is on the following page.

Developer 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.

Authorized Representative Name: Arnaz Bharucha

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Authorized Representative Signature:

10/06/2023

General Information

Plan Report ID Number	iPatientCare-RWT-2024	
Developer Name	AssureCare, LLC	
Product Name	iPatientCare	
Version	Product List (CHPL) ID(s) and Link(s)	Certified Health IT Criteria
18.0	15.04.04.2627.iPat.18.00.1.171201 https://chpl.healthit.gov/#/listing/8970	315(b)(1)-(3), (b)(9)-(10), (c)(1)-(3), (e)(1), (f)(1)-(4), (g)(7), (g)(9)-(10), (h)(1)
22.5	15.04.04.2627.iPat.22.01.1.221221 https://chpl.healthit.gov/#/listing/11103	315(b)(1)-(3), (b)(9)-(10), (c)(1)-(3), (e)(1), (f)(1), (g)(7), (g)(9)-(10), (h)(1)
23.0	15.04.04.2627.iPat.23.02.1.230522 https://chpl.healthit.gov/#/listing/11286	315(b)(1)-(3), (b)(10), (c)(1)-(3), (e)(1), (f)(1), (g)(7), (g)(9)-(10), (h)(1)
Developer Real World Testing Page URL	https://ipatientcare.com/onc-acb-certified-2015-edition/	

Timeline and Milestones for Real World Testing CY 2024

Milestone	Timeframe
Begin communication with clients to ask for their support and participation in real world testing	Jan-Mar 2024
Review and Collect data	Apr-Dec 2024
Analyze data and submit the Real World Test Report	Jan-Feb 2025

Standards Version Advancement Process (SVAP) Updates

For CY 2024, we are planning to make version updates on approved standards through the SVAP process for (c)(3) Clinical Quality Measures Reporting.

Standard (and version)	CMS Implementation Guide for Quality Reporting Document Architecture: Category III; Eligible Clinicians Programs; Implementation Guide for 2024
Updated certification criteria and associated product	170.315(c)(3) - Clinical quality measures (CQMs) — report
Health IT Module CHPL ID(s)	15.04.04.2627.iPat.18.00.1.171201 15.04.04.2627.iPat.22.01.1.221221 15.04.04.2627.iPat.23.02.1.230522
Method used for standard update	SVAP
Date of ONC-ACB notification	TBD
Date of customer notification (SVAP only)	TBD
Conformance measure	We will validate the QRDA Cat III against the Cypress QRDA Validator Tool
USCDI-updated certification criteria (and USCDI version)	N/A

Real World Testing Measurements

The measurements for our real world testing plan are described below. Each measurement contains:

- Associated ONC criteria
- Testing Methodology used
- Description of the measurement/metric
- Justification for the measurement/metric
- Expected outcomes in testing for the measurement/metric
- Number of client sites to use in testing (if applicable)
- Care settings which are targeted with the measurement/metric

In each measurement evaluate, we elaborate specifically on our justification for choosing this measure and the expected outcomes. All measurements were chosen to best evaluate compliance with the certification criteria and interoperability of exchanging electronic health information (EHI) within the certified EHR.

1. Testing Methodologies

For each measurement, a testing methodology is used. For our test plan, we use the following methodologies:

Reporting/Logging: This methodology uses the logging or reporting capabilities of the EHR to examine functionality performed in the system. A typical example of this is the measure reporting done for the automate measure calculation required in 315(g)(2), but it can also be aspects of the audit log or customized reports from the EHR. This methodology often provides historical measurement reports which can be accessed at different times of the year and evaluate interoperability of EHR functionality, and it can serve as a benchmark for evaluating real world testing over multiple time intervals.

2. Number of Clients Sites

Within each measure, we note the minimum number of clients or client sites we plan to use for this measure evaluation. The numbers vary depending on the methodology as well as overall use of the associated EHR Module criteria by our users. For criteria that are not widely used by our customer base, we may test the respective measure in our own production-sandbox environment given lack of customer experience with the criteria functionality.

3. Care and Practice Settings Targeted

Our EHR is primarily targeted to general ambulatory practices, and our measures were design for this setting in mind. In each measure, we do also address the care settings targeted and note any necessary adjustment or specific factor to consider with this specific measure.

RWT Measure #1. Number of C-CDAs Successfully Sent via Direct Messaging

Associated Criteria: 315(b)(1), 315(h)(1)

Products:

iPatientCare (18.0) 15.04.04.2627.iPat.18.00.1.171201

iPatientCare (22.5) 15.04.04.2627.iPat.22.01.1.221221

iPatientCare (23.0) 15.04.04.2627.iPat.23.02.1.230522

Testing Methodology: Reporting/Logging

Measurement Description

This measure is tracking and counting how many C-CDAs are created and successfully sent from the EHR Module to a 3rd party via Direct messaging over the course of a given interval. We utilize 3rd party HISP Updox Direct 2016 (Version 2016.0) for Direct messaging.

This measure will be calculated as follows:

Denominator: No. of C-CDAs created

Numerator: No. of C-CDAs transmitted successfully through Direct Edge Protocol.

The interval for this measure will be three (3) months.

Measurement Justification

This measure will provide a numeric value to indicate both how often this interoperability feature is being used as well as its compliance to the requirement. An increment to this measure indicates that the EHR can create a C-CDA patient summary record, including ability to record all clinical data elements, and by sending the C-CDA patient summary record, the EHR demonstrates successful interoperability of an exchanged patient record with a 3rd party. This measurement shows support for Direct Edge protocol in connecting to a HISP for successful transmission.

Measurement Expected Outcome

The measurement will produce numeric results over a given interval. We will utilize various reports and audit logs to determine our measure count.

A successful measure increment indicates compliance to the underlying ONC criteria. It will show that the EHR can create the C-CDA patient summary record, including record required clinical data elements. In sending the C-CDA patient summary record, the EHR will demonstrate ability to confirm successful interoperability of an exchanged patient record with a 3rd party, including support for Direct Edge protocol in connecting to a HISP. Successfully completing this measure also implies users have a general understanding of the EHR functional operations for this EHR Module and an

overall support for the user experience while not completing this measure may indicate lack of understanding or possibly lack of use or need for this functionality.

We will use the measure count to establish a historic baseline of expected interoperability use so it can be used in subsequent real world testing efforts.

Care Settings and Number of Clients Site to Test

We designed this measure to test the small practice, ambulatory care settings that we support and target. For reporting purpose, we will collect data from a minimum of three (3) client practices after their consent. This number covers a sufficient percentage of existing practices to provide a viable sample of users of the certified EHRs.

RWT Measure #2. Number of C-CDAs Received and/or Incorporated

Associated Criteria: 315(b)(1), 315(b)(2), 315(h)(1)

Products:

iPatientCare (18.0) 15.04.04.2627.iPat.18.00.1.171201

iPatientCare (22.5) 15.04.04.2627.iPat.22.01.1.221221

iPatientCare (23.0) 15.04.04.2627.iPat.23.02.1.230522

Testing Methodology: Reporting/Logging

Measurement Description

This measure is tracking and counting how many C-CDAs are successfully received and incorporated upon receipt from a 3rd party via Direct messaging over the course of a given interval. We utilize 3rd party HISP Updox Direct 2016 (Version 2016.0) for Direct messaging.

This measure will be calculated as follows:

Denominator: No. of C-CDAs received.

Numerator: No. of C-CDAs received where Allergy, Medication and Problem reconciliation was performed.

The interval for this measure will be three (3) months.

Measurement Justification

This measure will provide a numeric value to indicate both how often this interoperability feature is being used as well as its compliance to the requirement. An increment to this measure indicates that the EHR can receive a C-CDA patient summary record, and by incorporating the C-CDA patient summary record, the EHR demonstrates successful interoperability of problems, medications, and medication allergies of patient record with a 3rd party. This measurement shows support for Direct Edge protocol in connecting to a HISP for successful transmission.

Measurement Expected Outcome

The measurement will produce numeric results over a given interval. We will utilize various reports and audit logs to determine our measure count.

A successful measure increment indicates compliance to the underlying ONC criteria. It will show that the EHR can receive a C-CDA patient summary record. In incorporating the C-CDA patient summary record, the EHR will demonstrate successful interoperability of problems, medications, and medication allergies of patient record with a 3rd party, including support for Direct Edge protocol in connecting to a HISP. Successfully completing this measure also implies users have a

general understanding of the EHR functional operations for this EHR Module and an overall support for the user experience while not completing this measure may indicate lack of understanding or possibly lack of use or need for this functionality.

We will use the measure count to establish a historic baseline of expected interoperability use so it can be used in subsequent real world testing efforts.

Care Settings and Number of Clients Site to Test

We designed this measure to test the small practice, ambulatory care settings that we support and target. For reporting purpose, we will collect data from a minimum of three (3) client practices after their consent. This number covers a sufficient percentage of existing practices to provide a viable sample of users of the certified EHRs.

RWT Measure #3. Number of NewRx Prescriptions Messages Successfully Sent

Associated Criteria: 315(b)(3)

Products:

iPatientCare (18.0) 15.04.04.2627.iPat.18.00.1.171201

iPatientCare (22.5) 15.04.04.2627.iPat.22.01.1.221221

iPatientCare (23.0) 15.04.04.2627.iPat.23.02.1.230522

Testing Methodology: Reporting/Logging

Measurement Description

This measure is tracking and counting how many NewRx electronic prescriptions were created and successfully sent from the EHR Module to a pharmacy destination over the course of a given interval.

This measure will be calculated as follows:

Denominator: No. of prescriptions written (including controlled substances).

Numerator: No. of prescriptions transmitted electronically.

The interval for this measure will be three (3) months.

Measurement Justification

This measure will provide a numeric value to indicate both how often this interoperability feature is being used as well as its compliance to the requirement. An increment to this measure indicates that the EHR can create a NewRx SCRIPT electronic prescription message and transmit it to a pharmacy, typically via the Surescripts Network.

Measurement Expected Outcome

The measurement will produce numeric results over a given interval. We will utilize various reports and audit logs to determine our measure count.

A successful measure increment indicates compliance to the underlying ONC criteria. It will show that the EHR can create the NewRx message and send over a production network, like the Surescripts Network, to a pharmacy. Successfully completing this measure also implies users have a general understanding of the EHR functional operations for this EHR Module and an overall support for the user experience while not completing this measure may indicate lack of understanding or possibly lack of use or need for this functionality.

We will use the measure count to establish a historic baseline of expected interoperability use so it can be used in subsequent real world testing efforts.

Care Settings and Number of Clients Site to Test

We designed this measure to test the small practice, ambulatory care settings that we support and target. For reporting purpose, we will collect data from a minimum of three (3) client practices after their consent. This number covers a sufficient percentage of existing practices to provide a viable sample of users of the certified EHRs.

RWT Measure #4. Number of Care Plan C-CDAs Successfully Created

Associated Criteria: 315(b)(9)

Products:

iPatientCare (18.0) 15.04.04.2627.iPat.18.00.1.171201

iPatientCare (22.5) 15.04.04.2627.iPat.22.01.1.221221

Testing Methodology: Reporting/Logging

Measurement Description

This measure is tracking and counting how many Care Plan C-CDAs are created and successfully sent from the EHR Module to a 3rd party over the course of a given interval.

This measure will be calculated as follows:

Denominator: No. of Care Plans recorded

Numerator: No. of Care Plan CCDA created and sent

The interval for this measure will be three (3) months.

Measurement Justification

This measure will provide a numeric value to indicate both the how often this interoperability feature is being used as well as its compliance to the requirement. An increment to this measure indicates that the EHR can create a Care Plan C-CDA document of a patient record, which represents a patient's and care team members' prioritized concerns, goals, and planned interventions.

Measurement Expected Outcome

The measurement will produce numeric results over a given interval. We will utilize various reports and audit logs to determine our measure count.

A successful measure increment indicates compliance to the underlying ONC criteria. It will show that the EHR can create a C-CDA Care Plan document, including ability to record health status, outcomes, and interventions. Successfully completing this measure also implies users have a general understanding of the EHR functional operations for this EHR Module and an overall support for the user experience while not completing this measure may indicate lack of understanding or possibly lack of use or need for this functionality.

We will use the measure count to establish a historic baseline of expected interoperability use so it can be used in subsequent real world testing efforts.

Care Settings and Number of Clients Site to Test

We designed this measure to test the small practice, ambulatory care settings that we support and target. We will contact a minimum of three (3) client practices to query them on these questions. This number covers a sufficient percentage of existing practices to provide a viable sample of users of the certified EHRs.

RWT Measure #5. Number of CCDAs created against EHI Export for a Single Patient or for Patient Population

Associated Criteria: 315(b)(10)

Products:

iPatientCare (18.0) 15.04.04.2627.iPat.18.00.1.171201

iPatientCare (22.5) 15.04.04.2627.iPat.22.01.1.221221

iPatientCare (23.0) 15.04.04.2627.iPat.23.02.1.230522

Testing Methodology: Reporting/Logging

Measurement Description

This measure is tracking and counting how many C-CDAs were successfully exported by the EHR Module over the course of a given interval against EHI export request for either a single patient or for patient population.

This measure will be calculated as follows:

Denominator: No. of CCDA created against EHI Export request

Numerator: No. of CCDA successfully exported

The interval for this measure will be three (3) months.

Measurement Justification

This measure will provide a numeric value to indicate both the how often this interoperability feature is being used as well as its compliance to the requirement. An increment to this measure indicates that the EHR supports EHI Export for single patient and patient population through CCDA exports.

Measurement Expected Outcome

The measurement will produce numeric results over a given interval. We will utilize various reports and audit logs to determine our measure count.

A successful measure increment indicates compliance to the underlying ONC criteria. It will show that the EHR can create a batch export of a single patient record, as well as multiple patient records in the CCDA format, which can be used in means of health IT interoperability. Successfully completing this measure also implies users have a general understanding of the EHR functional operations for this EHR Module and an overall support for the user experience while not completing this measure may indicate lack of understanding or possibly lack of use or need for this functionality.

We will use the measure count to establish a historic baseline of expected interoperability use so it can be used in subsequent real world testing efforts.

Care Settings and Number of Clients Site to Test

We designed this measure to test the small practice, ambulatory care settings that we support and target. For reporting purpose, we will collect data from a minimum of three (3) client practices after their consent. This number covers a sufficient percentage of existing practices to provide a viable sample of users of the certified EHRs.

RWT Measure #6. Number of QRDA files Generated and Successfully Reported

Associated Criteria: 315(c)(1) - (c)(3)

Products:

iPatientCare (18.0) 15.04.04.2627.iPat.18.00.1.171201

iPatientCare (22.5) 15.04.04.2627.iPat.22.01.1.221221

iPatientCare (23.0) 15.04.04.2627.iPat.23.02.1.230522

Testing Methodology: Reporting/Logging

Measurement Description

This measure is tracking and counting how many QRDA files were successfully reported on by the EHR Module to CMS or other Programs over the course of a given interval.

The interval for this measure will be twelve (12) months.

Measurement Justification

This measure will provide a count of QRDA files created from EHR and submitted to CMS or other programs. Because CQM criteria, 315(c)(1)-(c)(3), all work collectively together in the eCQM functionality of the EHR Module, this measurement is used for all three.

Measurement Expected Outcome

The measurement will a count of QRDA files submitted to CMS over a given interval. We will utilize various reports and audit logs to determine our measure count.

A successful measure submission indicates compliance to the underlying ONC criteria. It will show that the EHR can do calculations on the eCQM and that they are accepted by CMS. Successfully completing this measure also implies users have a general understanding of the EHR functional operations for this EHR Module and an overall support for the user experience while not completing this measure may indicate lack of understanding or possibly lack of use or need for this functionality.

We will use the measure result to establish a historic baseline of expected interoperability use so it can be used in subsequent real world testing efforts.

Care Settings and Number of Clients Site to Test

We designed this measure to test the small practice, ambulatory care settings that we support and target. For reporting purpose, we will collect data from a minimum of three (3) client practices after

their consent. This number covers a sufficient percentage of existing practices to provide a viable sample of users of the certified EHRs.

RWT Measure #7. Number of Patients given access to Patient Portal

Associated Criteria: 315(e)(1)

Products:

iPatientCare (18.0) 15.04.04.2627.iPat.18.00.1.171201

iPatientCare (22.5) 15.04.04.2627.iPat.22.01.1.221221

iPatientCare (23.0) 15.04.04.2627.iPat.23.02.1.230522

Testing Methodology: Reporting/Logging

Measurement Description

This measure is tracking and counting how many patients are given login access to their patient portal account over the course of a given interval.

This measure will be calculated as follows:

Denominator: No. of active patients i.e. patients with at least 1 office visit in the past 12 months.

Numerator: No. of active patients provided access to patient portal.

We will capture this number at the end of CY 2024.

Measurement Justification

This measure will provide a numeric value to indicate how often this interoperability feature is being used. An increment to this measure indicates that the EHR can supply patient health data to the patient portal and provide an account for the patient to use in accessing this data.

Measurement Expected Outcome

The measurement will produce numeric results over a given interval. We will utilize various reports and audit logs to determine our measure count.

A successful measure increment indicates compliance to the underlying ONC criteria. It will show that the EHR can submit patient health data to the patient portal on a regular and consistent basis as well provide an account for the patient to use in accessing this data. Successfully completing this measure also implies users have a general understanding of the EHR functional operations for this EHR Module and an overall support for the user experience while not completing this measure may indicate lack of understanding or possibly lack of use or need for this functionality.

We will use the measure count to establish a historic baseline of expected interoperability use so it can be used in subsequent real world testing efforts.

Care Settings and Number of Clients Site to Test

We designed this measure to test the small practice, ambulatory care settings that we support and target. For reporting purpose, we will collect data from a minimum of three (3) client practices after their consent. This number covers a sufficient percentage of existing practices to provide a viable sample of users of the certified EHRs.

RWT Measure #8. Number of Patients who accessed/logged in to their Patient Portal

Associated Criteria: 315(e)(1)

Products:

iPatientCare (18.0) 15.04.04.2627.iPat.18.00.1.171201

iPatientCare (22.5) 15.04.04.2627.iPat.22.01.1.221221

iPatientCare (23.0) 15.04.04.2627.iPat.23.02.1.230522

Testing Methodology: Reporting/Logging

Measurement Description

This measure is tracking and counting how many patients successfully logged into and accessed their patient portal account over the course of a given interval.

This measure will be calculated as follows:

Denominator: No. of active patients provided access to patient portal.

Numerator: No. of patients who logged in the patient portal or opted out.

We will capture this number at the end of CY 2024.

Measurement Justification

This measure will provide a numeric value to indicate both the how often this interoperability feature is being used as well as its compliance to the requirement. An increment to this measure indicates that patients can log into their patient portal to view, download, or transmit their health data.

Measurement Expected Outcome

The measurement will produce numeric results over a given interval. We will utilize various reports and audit logs to determine our measure count.

A successful measure increment indicates compliance to the underlying ONC criteria. It will show that patients can log into their patient portal to view, download, or transmit their health data. Successfully completing this measure also implies users have a general understanding of the EHR functional operations for this EHR Module and an overall support for the user experience while not completing this measure may indicate lack of understanding or possibly lack of use or need for this functionality.

We will use the measure count to establish a historic baseline of expected interoperability use so it can be used in subsequent real world testing efforts.

Care Settings and Number of Clients Site to Test

We designed this measure to test the small practice, ambulatory care settings that we support and target. For reporting purpose, we will collect data from a minimum of three (3) client practices after their consent. This number covers a sufficient percentage of existing practices to provide a viable sample of users of the certified EHRs.

RWT Measure #9. Number of Immunization Messages Successfully Sent to IIS/Immunization Registries

Associated Criteria: 315(f)(1)

Products:

iPatientCare (18.0) 15.04.04.2627.iPat.18.00.1.171201

iPatientCare (22.5) 15.04.04.2627.iPat.22.01.1.221221

iPatientCare (23.0) 15.04.04.2627.iPat.23.02.1.230522

Testing Methodology: Reporting/Logging

Measurement Description

This measure is tracking and counting how many immunization messages are created and successfully sent from the EHR Module to an IIS/immunization registry over the course of a given interval.

The interval for this measure will be three (3) months.

Measurement Justification

This measure will provide a numeric value to indicate both the how often this interoperability feature is being used as well as its compliance to the requirement. An increment to this measure indicates that the EHR can create an immunization message, including ability to record all clinical data elements, and by sending the message, the EHR demonstrates successful interoperability with an IIS/immunization registry.

Measurement Expected Outcome

The measurement will produce numeric results over a given interval. We will utilize various reports and audit logs, to determine our measure count.

A successful measure increment indicates compliance to the underlying ONC criteria. It will show that the EHR can create the HL7 immunization record, including ability to record the required clinical data elements. In sending the immunization message, the EHR will demonstrate ability to confirm successful interoperability of patient's immunization data to an IIS/immunization registry. Successfully completing this measure also implies users have a general understanding of the EHR functional operations for this EHR Module and an overall support for the user experience while not completing this measure may indicate lack of understanding or possibly lack of use or need for this functionality.

We will use the measure count to establish a historic baseline of expected interoperability use so it can be used in subsequent real world testing efforts.

Care Settings and Number of Clients Site to Test

We designed this measure to test the small practice, ambulatory care settings that we support and target. For reporting purpose, we will collect data from a minimum of three (3) client practices after their consent. This number covers a sufficient percentage of existing practices to provide a viable sample of users of the certified EHRs.

RWT Measure #10. Number of Syndromic Surveillance Messages Successfully Sent

Associated Criteria: 315(f)(2)

Products:

iPatientCare (18.0) 15.04.04.2627.iPat.18.00.1.171201

Testing Methodology: Reporting/Logging

Measurement Description

This measure is tracking and counting how many syndromic surveillance messages are created and successfully sent from the EHR Module to a syndromic registry over the course of a given interval.

The interval for this measure will be three (3) months.

Measurement Justification

This measure will provide a numeric value to indicate both the how often this interoperability feature is being used as well as its compliance to the requirement. An increment to this measure indicates that the EHR can create an syndromic surveillance message, including ability to record all clinical data elements, and by sending the message, the EHR demonstrates successful interoperability with a public health registry.

Measurement Expected Outcome

The measurement will produce numeric results over a given interval. We will utilize various reports and audit logs to determine our measure count.

A successful measure increment indicates compliance to the underlying ONC criteria. It will show that the EHR can create the HL7 syndromic surveillance message, including ability to record the required clinical data elements. In sending the syndromic surveillance message, the EHR will demonstrate ability to confirm successful interoperability of patient's immunization data to public health registry. Successfully completing this measure also implies users have a general understanding of the EHR functional operations for this EHR Module and an overall support for the user experience while not completing this measure may indicate lack of understanding or possibly lack of use or need for this functionality.

We will use the measure count to establish a historic baseline of expected interoperability use so it can be used in subsequent real world testing efforts.

Care Settings and Number of Clients Site to Test

We designed this measure to test the small practice, ambulatory care settings that we support and target. For reporting purpose, we will collect data from a minimum of three (3) client practices after their consent. This number covers a sufficient percentage of existing practices to provide a viable sample of users of the certified EHRs.

RWT Measure #11. Number of Electronic Reportable Lab Messages Successfully Sent

Associated Criteria: 315(f)(3)

Products:

iPatientCare (18.0) 15.04.04.2627.iPat.18.00.1.171201

Testing Methodology: Reporting/Logging

Measurement Description

This measure is tracking and counting how many electronic reportable messages are created and successfully sent from the EHR Module to a public health registry over the course of a given interval.

The interval for this measure will be three (3) months.

Measurement Justification

This measure will provide a numeric value to indicate both the how often this interoperability feature is being used as well as its compliance to the requirement. An increment to this measure indicates that the EHR can create an electronic reportable lab message, including ability to record all clinical data elements, and by sending the message, the EHR demonstrates successful interoperability with a public health registry.

Measurement Expected Outcome

The measurement will produce numeric results over a given interval. We will utilize various reports and audit logs to determine our measure count.

A successful measure increment indicates compliance to the underlying ONC criteria. It will show that the EHR can create the HL7 electronic reportable lab record, including ability to record the required clinical data elements. In sending the ELR message, the EHR will demonstrate ability to confirm successful interoperability with a public health registry. Successfully completing this measure also implies users have a general understanding of the EHR functional operations for this EHR Module and an overall support for the user experience while not completing this measure may indicate lack of understanding or possibly lack of use or need for this functionality.

We will use the measure count to establish a historic baseline of expected interoperability use so it can be used in subsequent real world testing efforts.

Care Settings and Number of Clients Site to Test

We designed this measure to test the small practice, ambulatory care settings that we support and target. For reporting purpose, we will collect data from a minimum of three (3) client practices after

their consent. This number covers a sufficient percentage of existing practices to provide a viable sample of users of the certified EHRs.

RWT Measure #12. Number of Cancer Case Messages Successfully Sent

Associated Criteria: 315(f)(4)

Products:

iPatientCare (18.0) 15.04.04.2627.iPat.18.00.1.171201

Testing Methodology: Reporting/Logging

Measurement Description

This measure is tracking and counting how many cancer case messages are created and successfully sent from the EHR Module to a public health registry over the course of a given interval.

The interval for this measure will be three (3) months.

Measurement Justification

This measure will provide a numeric value to indicate both the how often this interoperability feature is being used as well as its compliance to the requirement. An increment to this measure indicates that the EHR can create a cancer case message, including ability to record all clinical data elements, and by sending the message, the EHR demonstrates successful interoperability with a public health registry.

Measurement Expected Outcome

The measurement will produce numeric results over a given interval. We will utilize various reports and audit logs to determine our measure count.

A successful measure increment indicates compliance to the underlying ONC criteria. It will show that the EHR can create the cancer case message, including ability to record the required clinical data elements. In sending the cancer case message, the EHR will demonstrate ability to confirm successful interoperability with a public health registry. Successfully completing this measure also implies users have a general understanding of the EHR functional operations for this EHR Module and an overall support for the user experience while not completing this measure may indicate lack of understanding or possibly lack of use or need for this functionality.

We will use the measure count to establish a historic baseline of expected interoperability use so it can be used in subsequent real world testing efforts.

Care Settings and Number of Clients Site to Test

We designed this measure to test the small practice, ambulatory care settings that we support and target. For reporting purpose, we will collect data from a minimum of three (3) client practices after

their consent. This number covers a sufficient percentage of existing practices to provide a viable sample of users of the certified EHRs.

RWT Measure #13. Number of 3rd Party Applications registered with the EHR

Associated Criteria: 315(g)(7), (g)(9), (10)

Products:

iPatientCare (18.0) 15.04.04.2627.iPat.18.00.1.171201

iPatientCare (22.5) 15.04.04.2627.iPat.22.01.1.221221

iPatientCare (23.0) 15.04.04.2627.iPat.23.02.1.230522

Testing Methodology: Reporting/Logging

Measurement Description

This measure is tracking and counting how many 3rd Party applications are registered with EHR for API Access.

Measurement Justification

In order to access the FHIR APIs, the application needs to first register with EHR. This measure will provide a numeric value to indicate both the how often this interoperability feature is being used as well as its compliance to the requirement. An increment to this measure indicates that a 3rd party can query the clinical resources of the patient health record via the API interface and thus demonstrate API interoperability.

Measurement Expected Outcome

The measurement will produce numeric results over a given interval. We will utilize various reports and audit logs to determine our measure count.

A successful measure increment indicates compliance to the underlying ONC criteria. It will show that a 3rd party client can be authenticated, and can access the APIs. Successfully completing this measure also implies the public API documentation is accurate and sufficient for 3rd parties to connect and use the API while not completing this measure may indicate lack of understanding or possibly lack of use or need for this functionality.

Care Settings and Number of Clients Site to Test

We designed this measure to test the small practice, ambulatory care settings that we support and target. We will count the total applications registered with iPatientCare, irrespective of the practices they are connected to.

RWT Measure #14. Number of Queries made to the FHIR API from the 3rd Party Applications

Associated Criteria: 315(g)(7), (g)(9), (10)

Products:

iPatientCare (18.0) 15.04.04.2627.iPat.18.00.1.171201

iPatientCare (22.5) 15.04.04.2627.iPat.22.01.1.221221

iPatientCare (23.0) 15.04.04.2627.iPat.23.02.1.230522

Testing Methodology: Reporting/Logging

Measurement Description

This measure is tracking and counting how many successful API queries for patients, data category or bulk export to the EHR Module is made from a 3rd party via API over the course of a given interval.

The interval for this measure will be three (3) months.

Measurement Justification

This measure will provide a numeric value to indicate both the how often this interoperability feature is being used as well as its compliance to the requirement. An increment to this measure indicates that a 3rd party can query the clinical resources of the patient health record via the API interface and thus demonstrate API interoperability.

Measurement Expected Outcome

The measurement will produce numeric results over a given interval. We will utilize various reports and audit logs to determine our measure count.

A successful measure increment indicates compliance to the underlying ONC criteria. It will show that a 3rd party client can be authenticated, that the patient record can be properly identified and selected, and that the EHR can make patient data accessible via its API interface. Successfully completing this measure also implies the public API documentation is accurate and sufficient for 3rd parties to connect and use the API while not completing this measure may indicate lack of understanding or possibly lack of use or need for this functionality.

We will use the measure count to establish a historic baseline of expected interoperability use so it can be used in subsequent real world testing efforts.

Care Settings and Number of Clients Site to Test

We designed this measure to test the small practice, ambulatory care settings that we support and target. For reporting purpose, we will collect data from all iPatientCare practices.

RWT Measure #15. Number of bulk export request made to the FHIR APIs

Associated Criteria: 315(g)(10), (b)(10)

Products:

iPatientCare (18.0) 15.04.04.2627.iPat.18.00.1.171201

iPatientCare (22.5) 15.04.04.2627.iPat.22.01.1.221221

iPatientCare (23.0) 15.04.04.2627.iPat.23.02.1.230522

Testing Methodology: Reporting/Logging

Measurement Description

This measure is tracking and counting how many successful API queries for bulk data exports to the EHR Module is made from a 3rd party via API over the course of a given interval.

The interval for this measure will be three (3) months.

Measurement Justification

This measure will provide a numeric value to indicate both the how often this interoperability feature is being used as well as its compliance to the requirement. An increment to this measure indicates that a 3rd party can query the bulk export of the patient health record via the API interface and thus demonstrate API interoperability.

Measurement Expected Outcome

The measurement will produce numeric results over a given interval. We will utilize various reports and audit logs to determine our measure count.

A successful measure increment indicates compliance to the underlying ONC criteria. It will show that a 3rd party client can be authenticated, and initiate the bulk export of patient population via the API interface. Successfully completing this measure also implies the public API documentation is accurate and sufficient for 3rd parties to connect and use the API while not completing this measure may indicate lack of understanding or possibly lack of use or need for this functionality. Successfully completing this measure also implies that the EHR supports EHI export through FHIR APIs.

We will use the measure count to establish a historic baseline of expected interoperability use so it can be used in subsequent real world testing efforts.

Care Settings and Number of Clients Site to Test

We designed this measure to test the small practice, ambulatory care settings that we support and target. For reporting purpose, we will collect data from all iPatientCare practices.