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Real World Testing Plan for UroChartEHR CY2024

Executive Summary

This is the real world test plan for CY 2024 for our certified EHR solution IntrinsiQ UroChartEHR. It is virtually the same as last year's approved real world test plan with only minor alterations and updates.

As with last year's plan, 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). We believe these test methods will be appropriate and valuable in accessing certification criteria and interoperability of exchanging electronic health information (EHI) within the care and practice setting of customers.

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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.

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General Information

Developer Name: IntrinsiQ Specialty Solutions, Inc. FBO Healthtronics Information Technology Solutions Inc.

Product Name(s): UroChartEHR

Version Numbers(s): v9.0

Certified Health IT Criteria: 315(b)(1), (b)(2), (b)(3), (b)(6); (c)(1); (e)(1); (f)(4), (f)(5), (f)(7); (g)(7), (9)

Product List (CHPL) ID(s) and Link(s):

- 15.04.04.2978.UroC.09.10.1.221222
- https://chpl.healthit.gov/#/listing/11138
- Developer Real-world Testing Page URL: https://www.intrinsiq.com/real-world-testing

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Timeline and Milestones for Real-world Testing CY 2024

- 1Q-2024: Health IT system is fully enabled for use in real world testing.
- 3Q-2024. Begin making plans to collect data for RWT measures. If necessary, engage clients to ask for their support and participation in real world testing.
- 4Q-2024. During the last quarter of the year, the CY 2024 real world test plan will be completed according to ONC and ONC-ACB requirements and expectations. Test plan will be prepared for submission.

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Standards Version Advancement Process (SVAP) Updates

Currently, we are using all required 2015 Edition Cures Update standards. The RWT measures listed in this plan are based on those standards, and any SVAP updates are explicitly noted below. We are awaiting the updated requirements in the HTI-1 rule which has not yet been released. Based on the standards stipulated by this future ruling, we will update our standards and implementation guide as needed, and these changes may be captured in our CY 2024 RWT test results.

No SVAP update planned at this time.

Standard (and version)	N/A
Date of ONC-ACB notification (SVAP or USCDI)	N/A
Date of customer notification (SVAP only)	N/A
USCDI-updated certification criteria (and USCDI version)	None

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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 evaluated, 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.

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.

Number of Client 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.

Care and Practice Settings Targeted

Our EHR is primarily targeted to urology-specific practices, and our measures were designed with 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.

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Number of Transition of Care C-CDAs Successfully Sent
Associated Criteria: 315(b)(1)

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 during a transition of care event over the course of a given interval.

Measurement Justification
Electronically sharing of patient data in transitions of care are a critical component in modern health IT. For urologists, they engage with multiple providers and clinical centers in their treatment of the patients which require coordination of care. The sharing of the C-CDAs makes that possible.

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 our relied upon software MedAllies HISP and/or our Qvera Interface Engine for successful transmission.

Measurement Expected Outcome
The measurement will produce numeric results over a given interval. We will utilize various reports and audit logs, including Automated Measure (315.g.2) reports, 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.

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Care Settings

We designed this measure to test the urology practices that we support and target.

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Number of C-CDAs Received and/or Incorporated

Associated Criteria: 315(b)(2)

Testing Methodology: Reporting/Logging

Measurement Description

This measure is tracking and counting how many C-CDAs are successfully received and/or incorporated upon receipt from a 3rd party via Direct messaging during a transition of care event over the course of a given interval.

Measurement Justification

As the patients of our physician customers are seen by other providers and hospitals, the patient records are being continually updated and changed. The use case is tracking the support of receiving updated patient records via the C-CDA Direct messaging exchange and how the system allows for the problems, medications, and medication allergies to be incorporated into the internal patient record.

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 the patient record with a 3rd party. This measurement shows support for Direct Edge protocol in connecting to our relied upon software MedAllies HISP and/or our Qvera Interface Engine for successful transmission. Incorporation of the C-CDA will rely on our relied upon software First DataBank medication library to complete the measure and demonstrate its successful integration within our EHR.

Measurement Expected Outcome

The measurement will produce numeric results over a given interval. We will utilize various reports and audit logs, including Automated Measure (315.g.2) reports, 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 the 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

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Number of NewRx Prescriptions Messages Successfully Sent
Associated Criteria: 315(b)(3)

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.

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. This measure will show our relied upon software eRx solution DrFirst is fully integrated with our EHR and able to connect to our relied upon software Surescripts exchange point. Finally, this measure will also show proper use of the relied upon software First DataBank drug library solution for obtaining medication data.

Measurement Expected Outcome
The measurement will produce numeric results over a given interval. We will utilize various reports and audit logs, including Automated Measure (315.g.2) reports, 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
We designed this measure to test the urology practices that we support and target.

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Number of Patient Batch Exports Run
Associated Criteria: 315(b)(6)

Testing Methodology: Reporting/Logging

Measurement Description
This measure is tracking and counting how many batch exports of C-CDAs were successfully performed by the EHR Module over the course of a given interval.

Measurement Justification
Providers can obtain large volumes of patient data through the Data Export EHR Module. This use case will track how often providers perform this action.

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 batch export of multiple C-CDA patient summary records. The measure will also show proper use of the relied upon software First DataBank drug library solution too.

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 multiple C-CDA patient summary records, 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
We designed this measure to test the urology practices that we support and target.

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Number of Quality Measures Successfully Reported on to CMS
Associated Criteria: 315(c)(1)

Testing Methodology: Reporting/Logging

Measurement Description
This measure is tracking and counting how many eCQM quality measures were successfully reported on by the EHR Module to CMS over the course of a given interval.

Measurement Justification
Many of our providers must do MIPS submission, and this RWT use case will evaluate how the eCQM functionality is performing in real-world scenarios.

This measure will provide a count and list of electronic clinical quality measures (eCQMs) which are calculated and submitted to CMS for a given program, like MIPS. Clinical quality measures are only used for the respective CMS programs and any production measures should utilize submission to CMS.

This use case will also confirm that we are properly integrated with our eCQM partner CitiusTech BI Clinicals and their relied upon software application PERFORM+ Quality which ultimately creates the QRDA Cat III file which is submitted to CMS for MIPS reporting. The measure will also show proper use of the relied upon software First DataBank drug library solution too.

Measurement Expected Outcome
The measurement will count and list eCQMs submitted to CMS over a given interval. We will utilize various report do s 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 support quality measures that 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
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Number of Patients Who Accessed/Logged in to Portal
Associated Criteria: 315(e)(1)

Testing Methodology: Reporting/Logging

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

Measurement Justification
Because patients are best served when they are actively aware of their health data, patient portals provide an important means for sharing of this information. This measure will evaluate how often patients log in and check their health data over a given period.

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 patients can log into their patient portal to view, download, or transmit their health data.

This measurement will also show our relied upon software (RUS) is working within our patient portal access. We will test using our RUS Intrinsiq Specialty Solutions Patient Portal and validate the connectivity features of our RUS MedAllies HISP and RUS Qvera Interface Engine are working properly. Medications will be properly shared in the portal via our RUS First DataBank drug library. Finally, correct timing of user activity will be tracked through our RUS Windows Time Service application.

Measurement Expected Outcome
The measurement will produce numeric results over a given interval. We will utilize various reports and audit logs, including Automated Measure (315.g.2) reports, to determine our measure count.

A successful measure increment indicates compliance to the underlying ONC criteria. It will show unique patient logins 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

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Number of Cancer Case Messages Successfully Sent
Associated Criteria: 315(f)(4)

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.

Measurement Justification
Urologists often submit results to cancer registries to support public health efforts, and this measure will capture the real-world use of this functionality. 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 cancer case survey 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 successful results and error results over a given interval. We will utilize our registry reports 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 cancer case message. 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
We designed this measure to test the urology practices that we support and target.

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Number of Electronic Case Messages Successfully Sent
Associated Criteria: 315(f)(5)

Testing Methodology: Reporting/Logging

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

Measurement Justification
Urologists often submit results to cancer registries to support public health efforts, and this measure will capture the real-world use of this functionality. 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 cancer case survey 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 successful results and error results over a given interval. We will utilize our registry reports 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 case message. In sending the electronic case message, the EHR will demonstrate the 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
We designed this measure to test the urology practices that we support and target.

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Number of Health Care Survey Messages Successfully Sent
Associated Criteria: 315(f)(7)

Testing Methodology: Reporting/Logging

Measurement Description
This measure is tracking and counting how many health care survey 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
CMS will soon be requiring providers to submit their health care survey data to respective health registries, and this measure will evaluate how often this functionality is done by our provider community.

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 health care survey 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 our NHCS report 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 health care survey message, including ability to record the required clinical data elements. In sending the health care survey 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
We designed this measure to test the urology practices that we support and target.

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Number of Applications/3rd party Systems Accessing FHIR API server
Associated Criteria: 315(g)(7), (g)(9)

Testing Methodology: Reporting/Logging

Measurement Description
This is a measure to determine how many different systems or applications are connecting to our EHR via the API. We will look over the course of a minimum of six (6) months to gauge registered applications and active use.

Measurement Justification
This measure will determine how many 3rd party systems or applications are integrated and using the EHR's FHIR API interface. This measure will allow us to verify our certified API is working with 3rd party applications to access USCDI patient data.

This measurement will validate proper integration of our relied upon software Qvera Interface Engine for connectivity to our FHIR server. Access to medication data will be provided via our relied upon software First DataBank.

Measurement Expected Outcome
The measurement will provide a count of FHIR application applications which have registered with our server for patient access as well as applications actively connecting to our FHIR server. We will utilize our FHIR API form which developers use to request API access as well as additional reports and audit logs to determine the number of API applications enabled for our system.

The answer will provide insight into how both patients and clinicians view both the use and value of this interoperability feature.

Care Settings
We designed this measure to test the urology practices that we support and target.