

Real World Testing Plan - 2025

Real World Testing is an annual requirement outlined in the ONC 21st Century Cures Act Final Rule for all health IT developers participating in the ONC Health IT Certification Program. Real World Testing verifies that deployed Certified Health IT continues to perform as intended by conducting and measuring observations of interoperability and data exchange. The applicable Real World Testing certification criteria including in this testing effort:

- **(b)(3) Electronic prescribing**
- **(b)(10) Electronic Health Information export**

General / Product Information

Plan Report ID Number: 20241107log

Developer Name: LogiCoy Inc

Product Name: LogiCoy eRx

Version Number: 1.2

Certified Health IT Product List (CHPL) ID: 15.05.05.3117.LOGI.01.00.1.220721

Developer Real World Testing Plan Page URL: <https://www.logicoy.com/oncreg-compliance/>

Test Plan

Care Setting(s)

Healthcare providers using LogiCoy eRx e-Prescribe with an out-person patient visit or follow-up. LogiCoy eRx supports only **Ambulatory care** and is marketed with Ambulatory care setting. No other care settings are applicable or available for LogiCoy eRx.

The LogiCoy eRx system is dependent on Surescripts. The prescription messages are sent to Surescripts, and the responses / acknowledgement are received to LogiCoy eRx for the prescription messages sent.

Testing Approach Justification

Simulated real world patient-focused scenarios and use cases will be utilized that exercise the features and functionalities of the e-Prescribe required by the certification criteria. In some cases, real world patient data will be used to confirm compliance with things such as successful transmission statuses for some interoperability certification criteria requirements. The use cases will include actions by varying user types to capture the required data and workflows. The steps of the patient-focused scenarios and use cases are cross-mapped to the individual requirements within the interoperability certification criteria to ensure complete testing. Compliance with required standards will be tested via manual inspection by experts from LogiCoy and ONC-recommended test tools.

All the following test methodologies will be used to accomplish complete testing of conformance with the certification criteria requirements. While there will be a starting plan, the use of testing methodologies may vary based upon the individual client's database set up, access to different e-Prescribe functionalities and skill sets of available client staff.

- Screen shorts of intended data and log files
- Testing with ONC-approved testing tools, when appropriate and suitable
- Analysis of eRx database - table contents
- Analysis of external and LogiCoy eRx log files
- Real world examples of successful transmissions by client report
- Use of production environments when possible while limiting touchpoints with PHI as much as feasible
- Use test and production environments as available
- Demonstrating full compliance with the interoperable certification criteria requirements in a manner that provides the least burdensome work effort for clients to execute.
- Most possible scenarios would be performed in the client's Production database. Scenarios that could not be tested would be given collected evidence and will be augmented with actual production environment results wherever needed to support compliance analysis.

Testing methods/methodologies

Rx Hub (Source for inbound and outbound transmission of eRx related messages to Surescripts): Internal LogiCoy eRx team members will run and deliver aggregated reports monthly related to inbound and outbound electronic prescribing transactions and medication history requests

170.315 (b)(3) Electronic prescribing

Measures: Electronic prescriptions related transactions: Create (Rx New), Change (Rx Change), Cancel (Cancel Rx), Renew (Renew Rx), Fill Status, Medication History including Status, Errors and Verification.

170.315 (b)(3) - New Rx:

Description: **a.** Demonstration of creation and transmission of an electronic prescription(s) in a client production environment **b.** Spot check of evidence of successfully transmitted electronic prescription(s) in the client production environment.

Justification: Demonstrate the ability to create and transmit electronic prescription(s) successfully in a real-world environment.

Expected outcome: Exhibit the interoperability elements of New Rx related to the certification criteria that will be tested to show that they work in the real world. Identification of standard/baseline volume of aggregated successfully transmitted cancelled electronic prescriptions by month. A 100% successful transmission is expected when the feature is used.

170.315 (b)(3) – Cancel Rx:

Description: **a.** Demonstration of Cancel requests sent/received for an electronic prescription in a client production environment **b.** Spot check of evidence of successfully transmitted Cancel Rx electronic prescription(s) in the client production environment.

Justification: Demonstrate the volume of successfully transmitted Cancel Rx electronic prescription messages.

Expected outcome: Exhibit the interoperability elements related to the certification criteria that will be tested to show that they work in the real world. Identification of standard/baseline volume of aggregated successfully transmitted cancelled electronic prescriptions by month. A 90% successful transmission is expected when the feature is used.

170.315 (b)(3) – Rx Change:

Description: **a.** Demonstration of Rx Change requests received for an electronic prescription in a client production environment **b.** Spot check of evidence of successfully transmitted Rx Change electronic prescription(s) in the client production environment.

Justification: Demonstrate the volume of successfully transmitted changed electronic prescription messages.

Expected outcome: Exhibit the interoperability elements related to the certification criteria that will be tested to show that they work in the real world. Identification of standard/baseline volume of aggregated successfully transmitted changed electronic prescriptions by month. A 97% successful transmission is expected when the feature is used.

170.315 (b)(3) – Renew Rx:

Description: **a.** Demonstration of Renew request(s) sent/received for an electronic prescription(s) in a client production environment **b.** Spot check of evidence of successfully transmitted Renew Rx electronic prescription(s) in the client production environment.

Justification: Demonstrate the volume of successfully transmitted renewed electronic prescription messages.

Expected outcome: Exhibit the interoperability elements related to the certification criteria that will be tested to show that they work in the real world. Identification of standard/baseline volume of aggregated successfully transmitted renewed electronic prescriptions by month. A 97% successful transmission is expected when the feature is used.

170.315 (b)(3) – Refill Rx:

Description: **a.** Demonstration of Refill request(s) sent/received for an electronic prescription(s) in a client production environment **b.** Spot check of evidence of successfully transmitted Refill electronic prescription(s) in the client production environment.

Justification: Demonstrate the volume of successfully transmitted refill electronic prescription messages.

Expected outcome: Exhibit the interoperability elements related to the certification criteria that will be tested to show that they work in the real world. Identification of standard/baseline volume of aggregated successfully transmitted renewed electronic prescriptions by month. A 100% successful transmission is expected when the feature is used.

170.315 (b)(3) – Rx History:

Description: **a.** Demonstration of Rx History request(s) sent and response received for a patient in a client production environment **b.** Spot check of evidence of successfully transmitted Rx History in the client production environment.

Justification: Demonstrate the volume of successfully transmitted Rx History request and response messages.

Expected outcome: Exhibit the interoperability elements related to the criteria that will be tested to show that they work in the real world. Identification of standard/baseline volume of aggregated successfully transmitted Rx History requests and responses by month. A 100% successful transmission is expected when the feature is used.

Overall Testing Methodology/Method:

- LogiCoy eRx partners with Surescripts for validating and transmitting electronic prescription orders to pharmacies.
- Tracking and counting how many New Rx electronic prescriptions successfully sent from LogiCoy eRx Prescriptions to a pharmacy report range
- Tracking and counting how many Cancels Rx receive in the report range
- Screen shorts of intended data and log files
- Analysis of eRx database - table contents

- Analysis of LogiCoy eRx log files
- Real world examples of successful transmissions by client report
- Use of production environments when possible while limiting touchpoints with PHI as much as feasible
- Use test and production environments as available

Metric Definition: Both controlled and non-controlled medications are prescribed electronically

Care/Practice Setting: Ambulatory care setting is used for LogiCoy eRx users. Many belong to dentists, nurse practitioners, hospice health. No specific marketing to any specialty areas, so this test plan will measure data from all settings in which the LogiCoy eRx is used.

Milestones: January 2025 to December 2025 (Data is collected monthly)

170.315 (b)(10) – Electronic Health Information Report Export/Download:

Measure Description: : LogiCoy eRx provides export capabilities of electronic health information (EHI) for a single patient or multiple patient data export. The export capability will result in an csv file which contains files in a machine-readable format in accordance with §170.315(b)(10) - Electronic Health Information export of the ONC Certification Criteria

Description: **a.** Demonstration of patient data export/download in a client production environment **b.** Spot check of evidence of successfully exported and downloaded reports in production environment.

Demonstrate de capability to export and download and export the 100 percent of patient prescription and other data without developer assistance

- Timely create an export file(s) with all an export single patient's electronic health information stored
- Execute this capability at any time the authorized user chooses and without subsequent developer assistance
- Export files(s) created must be electronic and in a computable format

Justification: Demonstrate the volume of successfully exported / downloaded patient data.

Expected outcome: Exhibit the patient data export/download that will be tested to show that they work in the real world. Identification of standard/baseline volume of aggregated successfully downloaded reports by month. 100% successful functionality is expected when the feature is used.

Single patient medical data export: A valid user requires the export patient information role and be able to search intended patient and select date range and be able to export

Multiple patient data export: A valid user requires the export patient information role and be able to and select date range and be able to export

Download the exported data file: A valid user requires the export patient information role and be able to download the exported data file and be able to read.

Testing Methodology/Method: The authorized users can export the patient medical data and download

the csv file.

Care/Practice Setting: Ambulatory care setting is used for LogiCoy eRx users.

Milestones: January 2025 to December 2025 (Data is collected monthly)

Standards Version Advanced Process (SVAP) Updates

The product has no voluntary SVAP standards updates.

Standard (and version)	NA
Updated certification criteria and associated product	NA
Health IT Module CHPL ID	15.05.05.3117.LOGI.01.00.1.220721
Date of ONC ACB notification	NA
Date of customer notification	NA
Conformance method and measurement/metric(s)	NA

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: Fred Aabedi

Authorized Representative Email: fred.aabedi@logicoy.com

Authorized Representative Phone: (844) 866-0010

Authorized Representative Signature: 

Date: 07/11/2024