

REAL WORLD TESTING RESULTS REPORT

As a developer of software certified under the Office of the National Coordinator for Health Information Technology Health IT Certification Program, LogiCoy eRx is pleased to submit this Real World Test (RWT) Result Report for the calendar year 2023 in accordance with 2015 Cures Update Edition certification criteria.

The Real World Testing Result Report includes all required elements that meet the requirements of the certification criteria and are up to date. We believe that there were no non-compliances observed and the results revealed that e-Prescribing functionality is working as expected.

GENERAL INFORMATION

Report ID Number	20221102log
Developer Name	LogiCoy Inc. (https://www.logicoy.com/)
Product Name(s)	LogiCoy eRx
Version Number(s)	1.1
Certified Health IT Product List (CHPL) ID(s)	15.05.05.3117.LOGI.01.00.1.220721
Developer Real World Testing PLAN Page URL	https://www.logicoy.com/cloud-based-e-prescribing/oncreg-compliance/
Developer Real World Testing RESULTS Page URL	https://www.logicoy.com/cloud-based-e-prescribing/oncreg-compliance/

CHANGES TO ORIGINAL PLAN

The 2023 plan that was submitted to ONC included a plan to recruit and provide metrics for certified criteria. But the Real World Testing was conducted without recruiting any agency for testing. Metrics were derived from the LogiCoy eRx system database as per the plan. The Testing Result Report includes all required elements that meet the requirements of the certification criteria and are up to date. We believe that there were no non-compliances observed and the results revealed that e-Prescribing functionality is working as expected.

Summary of Change [Summarize each element that changed between the plan and actual execution of Real World Testing]	Reason [Describe the reason this change occurred]	Impact [Describe what impact this change had on the execution of your Real World Testing activities]
A client is not recruited to conduct the RWT testing.	LogiCoy eRx decided to conduct the RWT for the planned criterion by self.	This plan change has no impact on any of the criterion testing or verification. All e-Prescribing message types of transmission were working as expected when used by providers.

WITHDRAWN PRODUCTS

No products or e-Prescribing features from the product were withdrawn during the period.

SUMMARY OF TESTING METHODS AND KEY FINDINGS

The message types (NewRx, RxChangeRequest, RxChangeResponse, CancelRx, CancelRxReponse, RxRenewalResponse, RxFill, RxHistoryResponse) when sent, and corresponding responses when received from Surescripts, are both saved in the LogiCoy eRx system database. LogiCoy eRx will report a count of messages for each supported message type.

This report will be based on the contents of each month from LogiCoy eRx database table of stored messages for the year 2023. The LogiCoy eRx system database were queried for the given month's data for the xml payload data and respective acknowledgement was retrieved from database as a proof of real time world testing for all the message types. The application generated logs were used to cross check the message transmission. The message transmission was confirmed by looking at the Surescripts messages screen for the given criterion.

This report also includes a count of outbound messages unable to be transmitted due to connectivity issues or other errors, for each message type.

The key findings during testing are specified in the "Outcomes" and "Challenges encountered" sections of each measure.

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

No, LogiCoy eRx product did not include SVAP or USCDI voluntary standards.

Care Setting(s)

Certified LogiCoy eRx is marketed primarily to all providers and health care facilities for **Ambulatory** care settings. All aspects of the Real World Testing Plan Results are from the providers who have registered and used LogiCoy eRx for electronic prescribing for ambulatory setting.

Metrics and Outcomes

Measure 1: Point in time functional conformance.

Electronic Prescribing is a widely used functionality across our customer base. By using this functionality, the providers were successfully able to create, send e-Prescriptions and receive acknowledgement messages. The RWT results reveal that the EHR functionality is working as expected. The e-Prescribing system conforms to the NCPDP standard 2017071. The e-prescribing system successfully sent 99.3% of messages to the relied upon software **Surescripts**.

Associated Certification Criteria: 170.315(b3) - Electronic Prescribing.

The criteria conformance was verified using LogiCoy eRx database contents and the logs the application generates in production environment when the respective messages are transmitted. The below criteria (message types) were verified.

170.315(b)(3)(ii)(A)(1) – NewRx

170.315(b)(3)(ii)(A)(2) – RxChangeRequest, RxChangeResponse

170.315(b)(3)(ii)(A)(3) – CancelRx, CancelRxResponse

170.315(b)(3)(ii)(A)(4) – RxRenewalRequest, RxRenewalResponse

170.315(b)(3)(ii)(A)(5) – RxFill

170.315(b)(3)(ii)(A)(6) – RxHistoryRequest, RxHistoryResponse

Relied upon software: Surescripts.

Outcomes: Successful transmission of all transmitted message types is viewed in the LogiCoy eRx application. However, an observation was made where there were Rx Change and Rx Renewal Requests which were not responded to by the prescribers despite notifications in the application. The prescribers were guided and trained on how to respond to a change and renewal requests from pharmacies. In addition to notification in the application, an email notification to the prescriber was added when such requests come from pharmacy. After this, the Rx Change and Rx Renewal response count has increased.

The Refill feature was not much adopted. Also, the prescribers did not use the medication history feature much.

There was no diagnosis element sent in the prescription for almost half a year. But though diagnosis elements are not mandatory for New Rx, a very small 1.2% have sent primary diagnosis information during New Rx after first half of the year.

Challenges encountered: There were no challenges experienced in this aspect.

Measure 2: Ongoing Report Metrics

This measure will verify which all supported e-Prescribing message types are in use, and which are not opted for by providers in LogiCoy eRx including inbound and outbound message types.

Associated Certification Criteria: Under the ONC Health IT Certification Program as part of Real World Testing Plan, LogiCoy eRx has prepared this report with results for below criteria of 170.315(b3) - Electronic Prescribing.

170.315(b)(3)(ii)(A)(1) – NewRx

170.315(b)(3)(ii)(A)(2) – RxChangeRequest, RxChangeResponse

170.315(b)(3)(ii)(A)(3) – CancelRx, CancelRxResponses

170.315(b)(3)(ii)(A)(4) – RxRenewalRequest, RxRenewalResponse

170.315(b)(3)(ii)(A)(5) – RxFill

170.315(b)(3)(ii)(A)(6) – RxHistoryRequest, RxHistoryResponse

For the above associated criterion, LogiCoy eRx system tables were queried grouped by the message type for each month to identify how many transactions were sent.

Relied upon software: LogiCoy eRx uses **Surescripts** services to send and receive e-Prescribing message types between providers and pharmacies.

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Outcome: A total of 25 registered prescribers used LogiCoy eRx and prescribed to various patients over a period of one year during 2023. The LogiCoy eRx database was queried directly for all message types for both successful and failed transactions. A chart of counts of how many messages were transmitted is given below.

Consolidated RWT Test Result report - Monthly metrics for the year 2023													
Message Type / Month	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
New Rx	483	400	376	319	294	255	302	416	344	473	454	512	4628
Rx Change Request	4	13	18	3	3	3	3	20	6	13	3	16	105
Rx Change Response	0	0	0	0	0	0	0	0	2	1	0	0	3
Cancel Rx	12	7	6	10	7	1	9	7	5	8	10	5	87
Cancel Rx Response	12	7	6	10	7	1	9	7	4	8	10	4	85
Rx Renewal Request	0	0	27	43	54	51	35	48	49	39	53	9	408
Rx Renewal Response	0	0	0	0	0	0	0	1	29	21	25	2	78
Rx Fill	0	0	0	0	0	0	0	0	0	0	0	0	0
Rx History Request	2	0	0	0	4	1	1	0	11	3	2	0	24
Rx History Response	1	0	0	0	0	1	1	0	10	3	2	0	18
Verify	1	1	2	0	2	0	1	0	3	1	1	0	12
Total Messages:													5448

Errored message occurrences have been consolidated as below for the year 2023.

Message Type / Month	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Error	1	0	3	3	2	4	2	0	12	5	2	4	
Total Errored messages:													38
Error rate (%) :													0.7
Success Rate (%):													99.3

The errored messages contributed to an error rate of **0.7%** (**99.3%** successful transmission of all message types).

Challenges encountered: There were no challenges experienced in this aspect. But an observation on to improvise the prescriber experience for realizing the Rx Change and Rx Renewal requests from pharmacy/patient and to respond to them at the earliest is needed and would be implemented in the forthcoming releases.

Key Milestones

The list of milestones met is presented below.

Key Milestone	Care Setting	Date/Timeframe
RWT Client recruitment and kick off. (LogiCoy Inc decided to conduct the RWT by self)	Ambulatory	Met (02-10-2023 to 02-28-2023)
Conduct RWT activity for each client over 1 to 2 weeks. (Conducted the RWT activity by self).	Ambulatory	Met (03-01-2023 to 5-31-2023)
Identification of potential non conformances during RWT activity. (No nonconformance was found for the identified plans in the criteria.)	Ambulatory	Met (03-01-2023 to 5-31-2023)
Aggregation of all client RWT outputs into a final RWT Report section for Point-in-Time Testing.	Ambulatory	Met (07-01-2023 to 8-30-2023)
Setting up of Report automation configuration to run the reports monthly. (This report generation configuration was set up on Feb 5, 2023, on production system to generate the reports. The report is generated on the 10th of every month with the counts for each message types identified in the criterion list).	Ambulatory	Met (02-05-2023 to 12-31-2023)
Monthly aggregation of reports from all sources	Ambulatory	Completed (02-05-2023 to 12-31-2023)
Monthly review and monitoring of aggregated report output from all sources	Ambulatory	Met (02-05-2023 to 12-31-2023)
Preparation of final aggregated report output from all sources for inclusion in RWT Report	Ambulatory	Completed (12/01/2023 to 12/31/2023)