2025 REAL WORLD TESTING PLAN

GENERAL INFORMATION

Plan Report ID Number: 20240906nxt

Developer Name: NextGen Healthcare

Product Name(s), Version Number(s), Certified Health IT Product List (CHPL) ID(s):

NextGen® Mirth Connect	4.5	15.05.05.2054.NGM2.03.02.1.240222
NextGen® Mirth Connect	4.4.2	15.05.05.2054.NGM2.02.01.1.231213

Developer Real World Testing Page URL:
https://www.nextgen.com/certifications-and-cost-disclosures

JUSTIFICATION FOR REAL WORLD TESTING APPROACH

This plan will cover criterion § 170.315(b)(10) EHI Export for the Mirth Connect product.

Approach Summary

- This plan covers Mirth(R) Connect by NextGen Healthcare's approach to Real World Testing across applicable care settings.
- Functionality is the same in both certified versions, therefore testing will be completed in whichever version(s) clients are currently using.
- Data will be collected by engaging clients who use our ONC certified software. Data will be gathered by queries over a fixed time from audit logs. The timeframe will be a 1- to 3-month period in which the client has indicated they have exported patient data.
- Queries will be done to look for both single patient exports and exports for all patients.
- Should clients state they have not exported patient data, then data will be gathered via a test environment that mimics a client's care setting.
- This analysis will demonstrate that patient data is exportable in a timely manner. No confidential or protected health information will be exposed through this process.
- Success will be defined by showing that patient data can be gathered from across all a user's Mirth Connect channels (interfaces) for both a single patient and all patients, and then exported.

Types of Settings

Mirth Connect is an agnostic integration engine which does not differentiate between care settings and works identically between each. Therefore, we will test in any care settings where customers are utilizing the functionality.

Usage Quantification

Data from the Mirth Connect Event Log (audit log) will be queried for all information pertaining to exports. The results will be quantified and summarized.

Demonstrate Conformance

- Event Log (audit log) will be queried to identify all export events.
- Query results will be further reviewed to determine if export was for a patient, all patients or other.
- Results will be consolidated, quantified and reported accordingly.
- Relied upon software are proprietary to Mirth Connect and included as extensions with the Mirth Connect Premium Bundles.

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

Standard (and version)	n/a
USCDI -updated certification criteria (and USCDI version)	n/a

MEASURES USED IN OVERALL APPROACH
Description of Measurement/Metric
§ 170.315(b)(10) EHI Export

Measurement/Metric	Description
Count of exports attempted vs. completed using patient specific criteria over a client defined 1-to-3-month timeframe.	A requirement of 170.315(b)(10) is the ability to export electronic health data for a single patient. This is done from the Multi-Channel Messages option using queries specific to the desired patient. The Multi-Channel Messaging option is included in the Enhancement Bundle extension, which is Mirth Connect proprietary relied upon software and included with our Premium Bundles.
Count of patient population exports attempted vs. completed over a client defined 1-to-3-month timeframe.	A requirement of 170.315(b)(10) is the ability to export electronic health data for the entire patient population. This is done from the Multi-Channel Messages options without patient specific options chosen.

	The Multi-Channel Messaging option is included in the Enhancement Bundle extension, which is Mirth Connect proprietary relied upon software and included with our Premium Bundles.
Count of patient export entries in the log associated with users that do not have admin rights during 1-to-3-month timeframe.	A requirement of 170.315(b)(10) is the ability to restrict the specific patient EHI exports to either a set of specified users or admin users. Role Based Access Control Extension relied upon software limits the ability of users to create export files.

Associated Certification Criteria

§ 170.315(b)(10) EHI Export

Measurement/Metric	Associated Certification Criteria
Count of exports attempted vs. completed using patient specific criteria over a client defined 1-to-3-month timeframe.	§ 170.315(b)(10) EHI Export
Count of patient population exports attempted vs. completed over a client defined 1-to-3-month timeframe.	§ 170.315(b)(10) EHI Export
Count of patient export entries in the log associated with users that do not have admin rights during 1-to-3-month timeframe.	§ 170.315(b)(10) EHI Export

Justification for Selected Measurement/Metric

§ 170.315(b)(10) EHI Export

Measurement/Metric	Justification
Count of exports attempted vs. completed using patient specific criteria over a client defined 1-to-3-month timeframe.	Comparing the number of attempted patient exports with the number successfully completed will demonstrate compliance with 170.315(b)(10)(i) by showing that our software is able to complete the exports requested.
Count of patient population exports attempted vs. completed over a client defined 1-to-3-month timeframe.	Comparing the number of attempted population exports with the number successfully completed will demonstrate compliance with 170.315(b)(10)(ii) by showing that our software is able to complete the exports requested.

Count of patient export entries in the log associated with users that do not have admin rights during 1-to-3-month timeframe.	Reviewing the users who triggered a patient population export and validating that the number who were not admins is zero will demonstrate compliance with 170.315(b)(10)(i) by showing that our software restricts this functionality to admins. Role Based Access Control Extension relied upon software limits the ability of users to create export files.

Expected Outcomes
§ 170.315(b)(10) EHI Export

Measurement/Metric	Expected Outcomes
Count of exports attempted vs. completed using patient specific criteria over a client defined 1- to 3-month timeframe.	Expected outcome: 100% of attempts successfully completed Since Mirth Connect is not an EHR system, it is possible that no clients used this feature during the specified timeframe, and we may need to recreate the scenarios in a test environment.
Count of patient population exports attempted vs. completed over a client defined 1- to 3-month timeframe.	Expected outcome: 100% of attempts successful completed Since Mirth Connect is not an EHR system, it is possible that no clients used this feature during the specified timeframe, and we may need to recreate the scenarios in a test environment.
Count of patient export entries in the log associated with users that do not have admin rights during 1-to-3-month timeframe.	Expected outcome: zero export entries will be associated with non admins.

Care Setting(s)

Care Setting	Justification
Ambulatory, Hospital, Laboratory, SNF, HIEs and Payers	Mirth Connect is an agnostic integration engine which does not differentiate between care settings and works identically between each.

SCHEDULE OF KEY MILESTONES

Key Milestone	Care Setting	Date/Timeframe
Development of candidate list of partners to assist with the Real World Testing	Ambulatory, Hospital, Laboratory, SNF, HIEs and Payers	09/01/2024
Finalization of the Real World Test plan, and submission to ONC-ACB per ONC-ACB instruction	Ambulatory, Hospital, Laboratory, SNF, HIEs and Payers	09/15/2024
Determine if additional valid partners are available and willing to assist in Real World Testing	Ambulatory, Hospital, Laboratory, SNF, HIE's and Payers	03/01/2025
Real World Testing / Collection of data / Create report	Ambulatory, Hospital, Laboratory, SNF, HIEs and Payers	04/01/2025
Validation of expected results	Ambulatory, Hospital, Laboratory, SNF, HIEs and Payers	6/01/2025
Submission of final test results report	Ambulatory, Hospital, Laboratory, SNF, HIEs and Payers	02/1/2026

ATTESTATION

This Real World Test 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 Test requirements.

Authorized Representative Name: John Ellis, DO

Authorized Representative Email: jellis@nextgen.com

Authorized Representative Phone: 215-657-7010

Authorized Representative Signature:

DocuSigned by:

John Ellis

285515A718454BD...

Date:

09/13/2024 | 07:40:11 PDT

---

[i] Certified health IT continues to be compliant with the certification criteria, including the required technical standards and vocabulary codes sets; certified health IT is exchanging EHI in the care and practice settings for which it is marketed for use; and EHI is received by and used in the certified health IT. (85 FR 25766) [ii] https://www.federalregister.gov/d/2020-07419/p-3582