

Real World Testing

General Information

Plan Report ID Number: [For ONC-Authorized Certification Body use only]

Developer Name: Nexus Clinical LLC

Product Name(s): Nexus EHR

Version Number(s): v7.2

Certified Health IT: 315 (b)(1),(2),(3),(6); (c)(1),(2),(3); (e)(1); (f)(1),(2),(5); (g)(7)(8)(9);

Product List (CHPL) ID(s): 15.04.04.2989.Nexu.07.02.1.200324

<https://chpl.healthit.gov/#/organizations/developers/1990>

Developer Real World Testing Page URL: <https://www.nexusclinical.com/rwt/>

Justification for Real World Testing approach

Nexus Clinical will choose ambulatory care setting customers using Nexus EHR as most of our customers are ambulatory practices.

Selected measures are based on certification requirements for Real World Testing. Testing procedures will use no or minimum interruption to participant's day to day operations. The testing will collect de-identified data, reports, log files from participant's practices. All data will be collected from the cloud hosting database and log files. Each participant will be informed about type of data collected during RWT testing. For the measures that are not actively used by most of the customers, we may ask one or more participants to create test data in their office setting. In situations where customers are not connected to 3rd party systems to be able to validate files, we will run the files generated for test patients through file validators. We may also collect feedback from our customers for specific scenarios or measures and include them in test results as necessary.

Standards Updates

For CY 2022, we are not planning to make any version updates on approved standards through the SVAP process. We plan on implementing USCDI v1 in our C-CDAs and API support during CY 2022, but we have not finalized an exact date for rollout.

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|--|--|
| Standard (and version) | ICD10, CPT SNOMED CT, RxNorm, HL7 2.5.1 C-CDA 1.1 and 2.1, QRDA I and QRDA III, WCAG 2.0, Level AA compliance |
| Updated certification criteria and associated product | N/A |
| Health IT Module CHPL ID | N/A |
| Method used for standard update | N/A |
| Date of ONC-ACB notification | N/A |
| Date of customer notification (SVAP only) | N/A |
| Conformance measure | N/A |
| USCDI-updated certification criteria (and USCDI version) | N/A |

RWT Measures

RWT Use case #1: Transition of Care – Send C-CDA

Associated Criteria: 315(b)(1)

Relied Upon software: EMR Direct Phimail for Direct Messaging

Testing Methodology: Data count reports that include number of referrals sent, number of C-CDA files generated and/or transmitted, Automated measure/PI report (315.g.2) etc

Measure: The user will send C-CDA document to external care facility when they are referring patient to a specialist

This measure focuses on interoperability where patient information is exchanged with another healthcare facility

Care Settings: Ambulatory Medical Practices

Expected outcomes:

Measure Outcome = Number of C-CDA files generated/transmitted using direct messaging over test period

Sending C-CDA file for patient summary record to external facility, primarily in case of referral will demonstrate ability of Nexus EHR for its interoperability and compliance to ONC criteria.

RWT Use case #2: Receive C-CDA, Incorporate/Update Medication, Allergies and Problems

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

Relied Upon software: EMR Direct Phimail for Direct Messaging, NewCrop for ePrescriptions

Testing Methodology: Data count reports that include number transition of care patients, number of incoming referrals, number of C-CDA files received from direct messaging, number of patients where Medication, Allergies, Problems were reconciled from their previous healthcare setup. Automated measure/PI report (315.g.2)

Measure: The user will receive C-CDA document from external healthcare facility for a transition of care patient (New/Referral) and/or reconcile allergies, medication and problems recorded in external healthcare facility. In case of previous medication records the user will also be able to pull medication history of patient from Surescript database.

This measure focuses on interoperability and continuity of care where patient information is received and incorporated from previous healthcare facility during transition of care.

Care Settings: Ambulatory Medical Practices

Expected outcomes:

Measure Outcomes = Number of C-CDA files received, incorporated using direct messaging over test period, Number of transition of care patients where Medication, Allergies and Problem list was reconciled

Receiving C-CDA file with patient summary record from external facility and/or incorporating/updating Medication, Allergies and Problem list in case of transition of care will demonstrate ability of Nexus EHR for its interoperability and continuity of care and compliance to ONC criteria.

RWT Use case #3: Electronic Prescriptions

Associated Criteria: 315(b)(3)

Relied Upon software: NewCrop for ePrescriptions

Testing Methodology: Data count reports Number of medications (controlled as well as not controlled) prescribed and transmitted electronically. Automated measure/PI report (315.g.2)

Measure: The user will prescribe medications and transmit them to pharmacy electronically using Surescript network.

This measure focuses on interoperability of Nexus through our prescription partner NewCrop where patient prescriptions are electronically transmitted to pharmacy of their choice.

Care Settings: Ambulatory Medical Practices

Expected outcomes:

Measure Outcome = Number of prescriptions transmitted electronically over testing period.

Sending prescriptions electronically to pharmacies will demonstrate ability of Nexus EHR for its interoperability and compliance to ONC criteria.

RWT Use case #4: Patient Data Export

Associated Criteria: 315(b)(6)

Testing Methodology: Survey; data counts for number of exports generated by participants during test period.

Measure: Customer will export batch of patient summaries in C-CDA format.

This measure focuses on interoperability and continuity of care for patient information using standard C-CDA export format. Not many users are using this feature frequently hence Nexus will quiz participants about the awareness of features and how frequently it is getting used by them. Nexus may ask customers to generate a test export which includes at least 1 test patient and will validate generated file through file format validator.

Care Settings: Ambulatory Medical Practices

Expected outcomes:

Measure Outcome = Number of users aware about the feature, frequency with which this feature is used, number of data exports generated by users.

Ability to generate C-CDA files through data export functionality will demonstrate interoperability and continuity of care assistance of Nexus EHR to its users using standard export formats.

RWT Use case #5: Report Quality Measures to CMS

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

Testing Methodology: Survey/CQM Submissions

Measure: The user will report eCQM Measures to CMS for MIPS Quality reporting.

This measure focuses on ability to record and report eCQMs to CMS for MIS reporting.

Care Settings: Ambulatory Medical Practices

Expected outcomes:

Measure Outcome = Number of customers submitting eCQM measures to CMS during testing Period.
List of eCQM Measures submitted to CMS

Ability to calculate eCQM Measures and report them to CMS using QRDAIII format will demonstrate ability of Nexus EHR to be able to record and report on selected CQM Measures.

RWT Use case #6: View/Download Patient Information using Patient Portal

Associated Criteria: 315(e)(1)

Testing Methodology: Data counts for number of patients using patient portal in test duration and also number of patients downloading C-CDA file using patient portal, Automated measure/PI report (315.g.2)

Measure: A patient will login to patient portal to view their visit documentation. Patient will download their summary information using C-CDA file format from Patient portal.

This measure focuses on interoperability and continuity of care for a particular patient using patient portal and downloads using standard C-CDA export format.

Care Settings: Ambulatory Medical Practices

Expected outcomes:

Measure Outcome = Number of patients logging on to Patient portal after their chart note is signed off; Number of patients downloading/transmitting their summary in C-CDA file format using patient portal.

Ability to view chart note and other information from Patient Portal and ability to generate C-CDA files through patient portal will demonstrate interoperability and continuity of care assistance of Nexus EHR to its users using standard export formats.

[RWT Use case #7: Immunization Registry](#)

Associated Criteria: 315(f)(1)

Testing Methodology: Survey; data counts for number of immunization registry files exchanged with Immunization registry.

Measure: The customers will exchange immunization information with State immunization registry.

This measure focuses on interoperability and immunization data reporting with government registries. Not many customers are using immunization registry exchange, hence Nexus will quiz participants about the awareness of immunization registry integration and if they are using or planning to use immunization registry data exchange.

Care Settings: Ambulatory Medical Practices

Expected outcomes:

Measure Outcome = Number of participants aware about immunization registry exchange; Number of participants using, intending to use immunization registry integration; If customer is using registry data exchange then number of files changed with immunization registry during test period.

If no participant is using or intending to use immunization registry integration then Nexus may ask them to create a test patient with immunization information according to their experience. Nexus will then generate test immunization file and will validate through file validator.

Ability to exchange immunization registry files will demonstrate interoperability and ability to report immunization data to state registry for Nexus EHR to its users.

RWT Use case #8: Syndromic Surveillance Registry

Associated Criteria: 315(f)(2)

Testing Methodology: Survey; data counts for number of Syndromic Surveillance registry files exchanged with state registry.

Measure: Customer will report information to syndromic surveillance registry of the state

This measure focuses on interoperability and syndromic surveillance data reporting with government registries. Not many customers are using syndromic surveillance registry exchange, hence Nexus will quiz participants about the awareness about ability to report to registries and if they are using or planning to report to syndromic surveillance registry.

Care Settings: Ambulatory Medical Practices

Expected outcomes:

Measure Outcome = Number of participants aware about syndromic surveillance registry exchange; Number of participants using, intending to use registry integration; If customer is using registry data exchange then number of files changed with state registry during test period.

If no participant is using or intending to use syndromic surveillance registry reporting then Nexus may ask them to create a test patient with health condition information according to their experience. Nexus will then generate test file and will validate through file validator.

Ability to exchange syndromic surveillance registry files will demonstrate interoperability and ability to report syndromic data to state registry for Nexus EHR to its users.

RWT Use case #9: Electronic Case Reporting

Associated Criteria: 315(f)(5)

Testing Methodology: Survey; data counts for number of exports generated by participants during test period.

Measure: Customer will report case information to state registry.

This measure focuses on interoperability and case data reporting with government registries. Not many customers are using case report, hence Nexus will quiz participants about the awareness about ability to report to registries and if they are using or planning to report to case registry.

Care Settings: Ambulatory Medical Practices

Expected outcomes:

Measure Outcome = Number of participants aware about case reporting; Number of participants using, intending to use registry integration; If customer is using registry data exchange then number of files exchanged with state registry during test period.

If no participant is using or intending to report to case registry then Nexus may ask them to create a test patient with health condition information according to their experience. Nexus will then generate test file and will validate through file validator.

Ability to report cases electronically to registry will demonstrate interoperability and ability to report case data to state registry for Nexus EHR to its users.

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RWT Use case #10: Use of API

Associated Criteria: 315(g)(7)-(9)

Testing Methodology: Survey

Measure: The customer will use Nexus API for development/use of 3rd Party App.

This measure focuses on interoperability using Standard Open API. Not many users are using this feature frequently hence Nexus will quiz participants about the awareness of features and if it is used by them or if they are planning to use it in Near Future. If customers are interested in developing/using 3rd party App using Open API then Nexus will demonstrate its test app to give overview of the API.

Care Settings: Ambulatory Medical Practices

Expected outcomes:

Measure Outcome = Number of customers aware about Nexus Open API. Number of customers who are using or planning to use Open API

If No participant is using or planning to use Nexus Open API then Nexus may ask them to create a test patient with health information according to their experience and will ask them to validate information access through API.


Ability to use Open API will demonstrate interoperability Nexus EHR to its users using open API.

Schedule of key milestones

| Key Milestone | Care Settings | Date/Timeframe |
|---|---------------|-------------------------------------|
| Identify providers/Clinics participating in RWT – Communicate with customers who are eligible to participate in RWT. Communicate with them to explain RWT process and finalize sufficient number of customers to participate in RWT | All | January 1, 2022 - March 31, 2022 |
| Collect RWT information as laid out in this plan and document results. | All | April 1, 2022 - November 30, 2022 |
| Analyze Results and Prepare Final Report | All | December 1, 2022 – January 31, 2023 |

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: Kiran Agate
 Authorized Representative Email: kiran.agate@nexusclinical.com
 Authorized Representative Phone: (239) 204-4678
 Authorized Representative Signature: 
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