GENERAL INFORMATION

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

Developer Name: ReLi Med Solutions

Product Name(s): ReLiMed EMR

Version Number(s): 7.2

Certified Health IT Product List (CHPL) ID(s): 15.04.04.2990.ReLi.07.00.1.191229

Developer Real World Testing Page URL: https://rwt.relimedsolutions.com/

JUSTIFICATION FOR REAL WORLD TESTING APPROACH

We are an EMR Software company that also offers services to our clients. One of these services is MIPS Reporting. This involves running the appropriate reports throughout the year and providing guidance to our clients on best practices to meet and improve on the MIPS metrics. These reports measure the direct usage of our certified IT modules. We plan to use real life reporting activities to satisfy this Real World Testing requirement. This includes the following Certified Modules:

- 170.315 (b)(1): **Transitions of Care**
  We can show this module is used in the production environment with received direct messages that contain CCDA documents. These documents are mostly Referrals. If there are errors or warnings, those will display to the user. We display all sections received in a human readable format. We give the option to the user to import the patient information right from the inbox. Users can also retrieve CCDAs from a portal, save to their local disk and then use our import functionality just like they would upload and attach any other type of document to a patient record. Users also demonstrate the functionality of this certified technology by sending a CCDA as a referral or summary of care from our software to another provider.
- 170.315 (b)(2): **Clinical Information Reconciliation and Incorporation**
  As mentioned above, our users may receive CCDAs and can import the patient's Medications, Allergies, and Medication Allergies. This is normally for a referral of a new patient to the practice and it saves some manual entry of the patient.
- 170.315 (b)(3): **Electronic Prescribing**
  This is used every day by our prescribing users. We plan to pull reports from a couple heavy prescribers and we can report metrics on types of messages, successful messages, errored messages, etc.
- 170.315 (b)(6): **Data Export**
  This functionality is available in the production system to export all patients or a subset of patients. This has been used by a few clients when moving from our EMR to another EMR. We can simply perform this action on a production system and then visually inspect a few of the files. We can also import a few of the files which would further demonstrate the functionality for 170.315 (b)(2).
- 170.315 (c)(1): **Clinical Quality Measures - Record and Export**
  There is no real world application for this certification item. The ability to import a QRDA Category I file was used for certification testing, but users actually enter data for each of their patients. The system can generate a Category I file per patient. However, no one ever needs to use this. Therefore, we do not have a way to test this in a real world environment.

- 170.315 (c)(2): **Clinical Quality Measures - Import and Calculate**
  There is no real world application for this certification item. The ability to import a QRDA Category I file was used for certification testing, but users actually enter data for each of their patients. However, users can generate a QRDA Category III file with the results. No one ever uses or submits this QRDA file as they submit the QPP json file for MIPS reporting. If a user can provide us with a QRDA Cateory I file, we can import it to one of our production systems for this test.

- 170.315 (c)(3): **Clinical Quality Measures – Report**
  The real world application of this certification module is to report the denominator, numerator, exclusions and exceptions where applicable for each certified CQM. Users then generate the QPP json and upload to the QPP site to report for MIPS. This is how we plan to demonstrate this module. We will run these reports and then take a sampling of patients from each one to show how the measure properly identified the patient as belonging to the denominator, numerator, exclusion and/or exception.

- 170.315 (e)(1): **View, Download, and Transmit to 3rd Party**
  This module can be tested using a client's patient portal with a test patient. We can enter some clinical information on the test patient and then log onto that patient's portal account to view and download the CCDA. We can then use this CCDA to import into a staging system to demonstrate that the CCDA is valid and able to be imported. For the Transmit part, we will attach the CCDA to an email. From the email we can save to a local drive and import into a staging system to demonstrate that the CCDA is valid and able to be imported. The portal activity log will be viewed to make sure that each of these actions was recorded appropriately.

- 170.315 (f)(1): **Transmission to Immunization Registries**
  We have active connections with a few state immunization registries. The real world application of this certified technology is to send immunizations for pediatrics only. None of our practices that serve adults only use this. We can demonstrate this use with screenshots of successful and errored immunization messages from one of our Pediatric practices using it. Our users will report when/if a transmitted immunization did not update the state registry.

- 170.315 (f)(2): **Transmission to Public Health Agencies - Syndromic Surveillance**
  There is no real world testing ability for this module. There are currently no state health departments and/or clients that are required to report for this measure and therefore we would only be able to generate the files and visually inspect the contents.

- 70.315 (g)(7): **Application Access - Patient Selection**
- 170.315 (g)(8): **Application Access - Data Category Request**
- 170.315 (g)(9): **Application Access - All Data Request**
  For the above three modules we can use one of our production Patient Portals with a test patient. We will have to also use a test application called Swagger that we used during certification testing as we are unaware of any other commercially available app that could be used.

- 170.315 (h)(1): **Direct Project**
  We do have clients using Direct Messaging and can show screenshots of successfully delivered Referral CCDAs via direct messaging. We can also send a referral for a test patient from one of our clients to another to demonstrate to full end-to-end messaging with Direct.

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

Standard (and version): NCPDP 2017071 messaging standard

Updated certification criteria and associated product: ReLiMed eRx Version 7.2.1

21 CFR 1311	Requirement Description
1311.120(b).5	Practitioner Signing Two Factor Authentication
1311.120(b).6	Practitioner Prescription Information
1311.120(b).9	Prescription Information
1311.120(b).10	Ready to Sign
1311.120(b).11	Signing of Prescription
1306.22	Pharmacy Refill Requests (information)
1311.120(b)(27)	Report - Prescription
1311.120(b)(23)	Audit Trail Events
1311.120(b)(24)	Audit Trail Info

Health IT Module CHPL ID: 15.04.04.2990.ReLi.07.00.1.191229

Method used for standard update: Drummond Group Review

Date of ONC ACB notification: March 16, 2020

Standard (and version): 21 CFR EPCS

Updated certification criteria and associated product: ReLiMed eRx Version 7.2.1

21 CFR 1311	Requirement Description
1311.105	Requirements for obtaining an authentication credential
1311.110	Requirements for obtaining an authentication credential
1311.115	Practitioner Two Factor Authentication Additional Requirements
1311.116	Practitioner Biometrics Requirements
1311.120(b).1	Practitioner User Identification
1311.120(b).2	Practitioner Logical Controls
1311.120(b).3	Practitioner Logical Controls Role Based
1311.120(b).4	Practitioner Logical Controls Two Individuals
1311.120(b).5	Practitioner Signing Two Factor Authentication
1311.120(b).6	Practitioner Prescription Information
1311.120(b).7	Practitioner Information-Two DEA Numbers

1311.120(b).8	Practitioner NIST Time
1311.120(b).9	Prescription Information
1311.120(b).10	Ready to Sign
1311.120(b).11	Signing of Prescription
1311.120(b).12	DEA Number of Signer
1311.120(b).13	Batch Signing
1311.120(b).14	Practitioner Signing Time Stamp
1311.120(b).15	Digitally Signing the Prescription
1311.120(b).16	Digital Signature Requirements
1311.120(b).17	Indication of Signing
1311.120(b).18	Transmitting Unsigned Prescription
1311.120(b).19	Alteration of Information
1311.120(b).20	Transmission of Printed Prescription
1311.120(b).21	Printing Prescriptions after transmission
1311.120(b).22	Failed Transmission
1311.120(b).23	Audit Trail
1311.120(b).24	Audit Records
1311.120(b).25	Internal Audit Reports
1311.120(b).26	Audit Record Protection
1311.120(b).27	Prescriptions Issued Report
1311.120(b).28	Two Year Retention
1311.125	Establishing logical access control
1311.135	Agent Support, Supervisor Name
1311.140	Signing Prescriptions
1311.145	Practitioner Individual Digital Certificate
1311.150	Practitioner Auditable Event List
1311.170(a)	Transmission Requirements
1311.170(e)	No Alteration During Transmission
1311.302	Notification to Practitioners
1311.305	Data Migration (record export)
1306.12	Schedule II prescriptions
1306.22	Schedule III & IV Prescriptions
1306.22	Pharmacy Refill Requests (information)
1306.12(a)	Schedule II Refill Requests
1306.22(a)	Schedule III & IV Refill Requests
1311.215	ASP Processing Integrity
1311.300€	EPCS Module requirements

Health IT Module CHPL ID: 15.04.04.2990.ReLi.07.00.1.191229

Method used for standard update: Drummond Group Review

Date of ONC ACB notification: April 24, 2020

MEASURES USED IN OVERALL APPROACH

Description of Measurement/Metric

Describe the measure(s) that will be used to support the overall approach to Real World Testing.

Measurement / Metric	Description
Send a CCDA via Direct Message for a test patient from a production system	The test will consist of using a real patient for a MIPS Objective and generating a CCDA for a Referral to a specialist. Then, from the CCDA pop-up window, we will use the Send via Direct button, search for the provider's direct email address and send it.
Verify CCDA status from Sending system shows successful delivery/receipt from receiving system	We will then make sure that the above sent message shows the status of Delivered once an acknowledgement is received from the other system. This is done from the Messages screen -> Direct Messages tab and then we can check the "Sent" message box.
Receive a CCDA via Direct Message for a test patient in another production system	We can do the same steps for generating a CCDA and sending it via direct message for a test patient in a production system to another production system. The result we will be looking for is to see the received direct message in our messages screen and then from this message, see who it is from.
Display a CCDA in Human Readable Format for the test patient	When we select the message from the above test, we can click on View for the CCDA XML attachment, this will show us the CCDA in Human Readable format. We can compare those sections to what we saw when we sent it from another system to make sure it was the same.
Import a CCDA including Medications, Medication Allergies, and Problems for the test patient directly from the Direct Message received	Since most practices are not using the CCDA received via Direct as a way of adding the patient, test steps will be to view and save the CCDA from the Direct message, then proceed to Document Management to import and attach the document to an existing patient. Since this is a CCDA, the system will recognize that and open up the ability to do the reconciliation and import of Medications, Medication Allergies, and Problems. The patient record will then be examined to ensure these data pieces did get incorporated into the patient chart.
Log onto a production Patient Portal and ensure we can View a CCDA for a test patient	For a test patient, first ensure patient has portal access. Once patient is logged in, we can click on the Medical Record tab and we will be presented

	with the CCDA. We will verify it includes the appropriate sections and the data is accurate for the test patient. We can then add an encounter for the patient in the EMR and add some data and close it, then log back into the portal and note the additions on the patient's CCDA.
Log onto a production Patient Portal and ensure we can Download a CCDA, save it and then email it to ourselves.	From the patient portal once we are viewing the CCDA, we will use the Download File button to download the CCDA and save it to a local drive on the computer.
From the above Patient Portal session, view the activity log and verify we see our actions recorded for Viewing and Downloading CCDA	From the patient portal, available on the left hand side tabs is a Portal History tab. This will bring us to the activity log of all actions performed on the portal account. We will verify that we see an entry for Viewing the CCDA and then Downloading the CCDA.
Import the saved CCDA from above including Medications, Medication Allergies, and Problems for the test patient	Test steps will be to proceed to Document Management to import and attach the document to an existing patient. Since this is a CCDA, the system will recognize that and open up the ability to do the reconciliation and import of Medications, Medication Allergies, and Problems. The patient record will then be examined to ensure these data pieces did get incorporated into the patient chart.
Show successful medication transmission messages for electronic prescriptions being sent to a pharmacy from one of our production systems (non-controlled)	This can be done from an EMR production system, we can capture screenshots of such messages. We can also search for the message on the Surescripts Admin console to prove that it went through successfully through the Surescripts network. As we mentioned in the Justification section, this is the most utilized feature from our certification and is used heavily every day. If there existed any issues with this feature, our support would be notified immediately.
Show successful medication transmission messages for electronic prescriptions being sent to a pharmacy from one of our production systems (controlled)	This can be done from an EMR production system, we can capture screenshots of such messages. We can also search for the message on the Surescripts Admin console to prove that it went through successfully through the Surescripts network. As we mentioned in the Justification section, this is the most utilized feature from our certification and is used heavily every day. If there existed any issues with this feature, our support would be notified immediately.

Using our CCDA Data Export feature, export a set of patients from one of our production systems and visually inspect the files for validity	From our admin screen for CCDA Medical Record Export, we will select all patients in a date range. Once completed, we will download the file and visually inspect a few files for validity.
Using our CCDA Data Export feature, export a set of patients from one of our production systems and import a few into a Staging system to ensure Medications, Medication Allergies, and Problems are imported along with demographics	We will take the downloaded CCDAs from the previous test and import a few of them into a Staging system, so we can validate the CCDAs and also verify the import function.
Generate a few CQMs from a production system and verify a few patients' data as criteria for meeting the measure is accurate	Once CQMs have been generated, we can review another screen which lists the patients under each of Denominator, Numerator, Exclusion and/or Exception. We can example the patient chart of a sampling of these patients to ensure it is valid why they were identified as such.
Using a patient from the above measure, alter data to ensure the patient moves from the Denominator to the Numerator or to Exclusion or Exception	We will not realistically be able to do this from a production system.
Using a generated CQM, generate a QRDA III file and visually inspect for validity	Once a CQM has been generated, we can generate a QRDA Category III file. We normally only use these to view and record data from. We will visually inspect the file to make sure it is valid.
Using generated CQMs, create JSON file and upload to QPP to show validity	This is a step that we do for our clients. Therefore, we will record our steps when reporting and this is a perfect test of the files we generate. Once we upload the JSON file to the QPP website, it will display the results. We can compare these numbers to the numbers we see on the EMR screen.
Using a client-provided QRDA I file, import patient data	We will attempt this with a QRDA I file, if we can get one of these from a client. We will import into a Staging environment as to not modify real patient data.
Using a generated CQM, generate a QRDA I file and visually inspect for validity	From our CQM screen, we can generate CQRDA I files for any patient in the result set. We will select the patient and generate the file, download it and visually inspect it for validity.
Show Immunization messages successfully transmitted out of a production system to a state registry	We have some clients actively using an Immunization registry interface and we can show screenshots of errors and generate reports of successful messages.
Ask user to log onto State Registry and show us successful immunization messages were transmitted?	Since we do not have access to the state registries, if a user can show us the screen shots of a patient immunization record after charting them in the EMR, this would prove the end-to-

	end successful connectivity. If ever any record does not flow correctly, the client informs us to troubleshoot.
Generate a Syndromic Surveillance message out of a production system and visually inspect it for validity	We do not have anyone using this interface to a state health registry. We can generate one and visually inspect it, but we do not have a way to show that it successfully reaches a state health registry.
Follow our instructions for utilizing the ReLi Med Solutions MU3 API, Version 1.0 here: https://api.relimedsolutions.com/ and since we do not have a real Application to test, we will use Swagger	The API calls are available from our Patient Portal and we have published instructions. Going through the instructions should prove that it works as intended.

Associated Certification Criteria

List certification criteria associated with the measure and if updated to the 2015 Edition Cures Update criteria.

Measurement / Metric	Associated Certification Criteria
Send a CCDA via Direct Message for a test patient from a production system	170.315 (h)(1): **Direct Project**
Verify CCDA status from Sending system shows successful delivery/receipt from receiving system	170.315 (h)(1): **Direct Project**
Receive a CCDA via Direct Message for a test patient in another production system	170.315 (h)(1): **Direct Project**
Display a CCDA in Human Readable Format for the test patient	170.315 (b)(1): **Transitions of Care**
Import a CCDA including Medications, Medication Allergies, and Problems for the test patient directly from the Direct Message received	170.315 (b)(2): **Clinical Information Reconciliation and Incorporation**
Log onto a production Patient Portal and ensure we can View a CCDA for a test patient	170.315 (e)(1): **View, Download, and Transmit to 3rd Party**
Log onto a production Patient Portal and ensure we can Download a CCDA, save it and then email it to ourselves.	170.315 (e)(1): **View, Download, and Transmit to 3rd Party**
From the above Patient Portal session, view the activity log and verify we see our actions recorded for Viewing and Downloading CCDA	170.315 (e)(1): **View, Download, and Transmit to 3rd Party**
Import the saved CCDA from above including Medications, Medication Allergies, and Problems for the test patient	170.315 (b)(2): **Clinical Information Reconciliation and Incorporation**
Show successful medication transmission messages for electronic prescriptions being sent to a pharmacy from one of our production systems (non-controlled)	170.315 (b)(3): **Electronic Prescribing**

Show successful medication transmission messages for electronic prescriptions being sent to a pharmacy from one of our production systems (controlled)	170.315 (b)(3): **Electronic Prescribing**
Using our CCDA Data Export feature, export a set of patients from one of our production systems and visually inspect the files for validity	170.315 (b)(6): **Data Export**
Using our CCDA Data Export feature, export a set of patients from one of our production systems and import a few into a Staging system to ensure Medications, Medication Allergies, and Problems are imported along with demographics	170.315 (b)(6): **Data Export**
Generate a few CQMs from a production system and verify a few patients' data as criteria for meeting the measure is accurate	170.315 (c)(1): **Clinical Quality Measures - Record and Export**
Using a patient from the above measure, alter data to ensure the patient moves from the Denominator to the Numerator or to Exclusion or Exception	170.315 (c)(1): **Clinical Quality Measures - Record and Export**
Using a generated CQM, generate a QRDA III file and visually inspect for validity	170.315 (c)(3): **Clinical Quality Measures – Report**
Using generated CQMs, create JSON file and upload to QPP to show validity *This will be done for our clients that we report for	170.315 (c)(3): **Clinical Quality Measures – Report**
Using a client-provided QRDA I file, import patient data	170.315 (c)(2): **Clinical Quality Measures - Import and Calculate**
Using a generated CQM, generate a QRDA I file and visually inspect for validity	170.315 (c)(1): **Clinical Quality Measures - Record and Export**
Show Immunization messages successfully transmitted out of a production system to a state registry	170.315 (f)(1): **Transmission to Immunization Registries**
Ask user to log onto State Registry and show us successful immunization messages were transmitted	170.315 (f)(1): **Transmission to Immunization Registries**
Generate a Syndromic Surveillance message out of a production system and visually inspect it for validity	170.315 (f)(2): **Transmission to Public Health Agencies - Syndromic Surveillance**
Follow our instructions for utilizing the ReLi Med Solutions MU3 API, Version 1.0 here: https://api.relimedsolutions.com/ and since we do not have a real Application to test, we will use Swagger	70.315 (g)(7): **Application Access - Patient Selection** 170.315 (g)(8): **Application Access - Data Category Request** 170.315 (g)(9): **Application Access - All Data Request**

Justification for Selected Measurement/Metric

Provide an explanation for the measurement/metric selected to conduct Real World Testing.

Measurement / Metric	Justification
Send a CCDA via Direct Message for a test patient from a production system	This is an actual function used by our MIPS providers to exchange a CCDA with another provider, specifically for referrals to specialists.
Verify CCDA status from Sending system shows successful delivery/receipt from receiving system	This is a requirement for MIPS reporting that the users verify the messages was successfully received and then the user can manually change the status of the Referral to "Confirmed Reciept"
Receive a CCDA via Direct Message for a test patient in another production system	This rarely happens for our practices where they receive one that they will import, but they if they do, they will use it for reporting MIPS
Display a CCDA in Human Readable Format for the test patient	When the user receives the direct message, they can first view it to see who the patient is and what clinical information is included. At this point they can decide whether they will save it to the patient chart or actually import it.
Import a CCDA including Medications, Medication Allergies, and Problems for the test patient directly from the Direct Message received	This function can be useful for the practice to let the system create the patient record while inserting some demographic information, Medications, Medication Allergies, and Problems.
Log onto a production Patient Portal and ensure we can View a CCDA for a test patient	This is an actual function our practice's patients use in their patient portal accounts to see their clinical summary in one document.
Log onto a production Patient Portal and ensure we can Download a CCDA, save it and then email it to ourselves.	This is rarely done, but patients could use this function to store a copy of their clinical summary.
From the above Patient Portal session, view the activity log and verify we see our actions recorded for Viewing and Downloading CCDA	Patients can view the activity log and this could be useful to determine when they previously downloaded or viewed their clinical summary.
Import the saved CCDA from above including Medications, Medication Allergies, and Problems for the test patient	This is never done as practices tell me no one ever provides them with a CCDA from their patient portal, but it could be useful if a referral service doesn't send them via Direct messaging but has a portal for the provider to be able to log onto and retrieve CCDAs. Then this function can be useful for the practice to let the system create the patient record while inserting some demographic information, Medications, Medication Allergies, and Problems.
Show successful medication transmission messages for electronic prescriptions being sent to a pharmacy from one of our production systems (non-controlled)	This is the most highly used feature and providers send many electronic prescriptions daily, so this is one feature that is getting real world testing every day.

Show successful medication transmission messages for electronic prescriptions being sent to a pharmacy from one of our production systems (controlled)	This is the most highly used feature and providers send many electronic prescriptions daily, so this is one feature that is getting real world testing every day.
Using our CCDA Data Export feature, export a set of patients from one of our production systems and visually inspect the files for validity	This is rarely used. We offer this feature for no charge if a practice is leaving us to be able to save clinical summaries for all their patients.
Using our CCDA Data Export feature, export a set of patients from one of our production systems and import a few into a Staging system to ensure Medications, Medication Allergies, and Problems are imported along with demographics	We have never seen this used; this will just be performed as a test for this Real World Testing requirement.
Generate a few CQMs from a production system and verify a few patients' data as criteria for meeting the measure is accurate	This feature is used for annual reporting for MIPS, UDS, and other quality organizations. It is used quite often in our production systems.
Using a patient from the above measure, alter data to ensure the patient moves from the Denominator to the Numerator or to Exclusion or Exception	This is happening daily as the patients are seen by the practice and each encounter is being charted during the reporting period which is typically the calendar year.
Using a generated CQM, generate a QRDA III file and visually inspect for validity	Generating a QRDA Category III file is used q lot to see the reports of each clinical quality measure in a summary format.
Using generated CQMs, create JSON file and upload to QPP to show validity *This will be done for our clients that we report for	This is used every year when we report for MIPS on behalf of our clients and has to be valid so the proper Denominator, Numerator, Exclusions and/or Exceptions are reported properly.
Using a client-provided QRDA I file, import patient data	We normally do not see any QRDA Category I files except what was provided from the CYPRESS test tool, so this was a rare occasion to be able to receive one of these from a new client.
Using a generated CQM, generate a QRDA I file and visually inspect for validity	These files are not used and has never been requested from a client, but we will perform this test to satisfy the Real World Testing requirement.
Show Immunization messages successfully transmitted out of a production system to a state registry	This is used by a couple of our clients and it is useful to the practice to not have to manually input data in their state registry.
Ask user to log onto State Registry and show us successful immunization messages were transmitted	If we can get the cooperation of our client, this would prove they are getting transmitted properly. However, we do know that whenever there is a breakdown or error that occurs with the transmission, the client informs us.
Generate a Syndromic Surveillance message out of a production system and visually inspect it for validity	This is not used and has never been requested from a client, but we will perform this test to satisfy the Real World Testing requirement.

Follow our instructions for utilizing the ReLi Med Solutions MU3 API, Version 1.0 here: https://api.relimedsolutions.com/ and since we do not have a real Application to test, we will use Swagger	This is not used and has never been requested from a client, but we will perform this test to satisfy the Real World Testing requirement.

Care Setting(s)

Care Setting:	Justification
Ambulatory	All of our clients consist of one of the following Ambulatory practice types: • Internal Medicine • Family Medicine • Urgent Care/Walk in Clinic • Pediatrics • FQHC • Pulmonology • Psychiatry • Gastroenterology • Pain Management

Expected Outcomes

Measurement / Metric	Expected Outcomes
Send a CCDA via Direct Message for a test patient from a production system	To verify the CCDA is being sent securely to another provider and that provider can use the data to create the patient. This scenario is normally for a provider to refer a patient to another provider.
Verify CCDA status from Sending system shows successful delivery/receipt from receiving system	Once the CCDA via direct message is received by the receiving provider, this will ensure the proper status was updated in the sending system.
Receive a CCDA via Direct Message for a test patient in another production system	To verify the CCDA is being sent securely to another provider and that provider can use the data to create the patient. This scenario is normally for a provider to refer a patient to another provider.
Display a CCDA in Human Readable Format for the test patient	This will verify that the user can actually view the clinical data in a readable format and not just the XML.
Import a CCDA including Medications, Medication Allergies, and Problems for the test patient directly from the Direct Message received	It is expected that the receiving system can create the patient at the time of importing and some of the data will be directly imported to the patient chart including Medications, Medication Allergies, and Problems and some demographics.
Log onto a production Patient Portal and ensure we can View a CCDA for a test patient	This is a certification requirement, and this test will ensure patients/users of the patient portal

	can view their clinical summary in a human readable format.
Log onto a production Patient Portal and ensure we can Download a CCDA, save it and then email it to ourselves.	This is a certification requirement, and this test will ensure patients/users of the patient portal can view their clinical summary in a human readable format and then be able to download and email it.
From the above Patient Portal session, view the activity log and verify we see our actions recorded for Viewing and Downloading CCDA	This test will ensure the certification requirement is met and the user/patient can be able to view a history of their actions with respect to their clinical summary.
Import the saved CCDA from above including Medications, Medication Allergies, and Problems for the test patient	It is expected that the receiving system can create the patient at the time of importing and some of the data will be directly imported to the patient chart including Medications, Medication Allergies, and Problems and some demographics.
Show successful medication transmission messages for electronic prescriptions being sent to a pharmacy from one of our production systems (non-controlled)	The expected outcomes here are seen everyday when patients actually go to the pharmacy and are able to pick up their prescriptions. This is proving that the receiving pharmacies are able to successfully dispense the transmitted medication orders.
Show successful medication transmission messages for electronic prescriptions being sent to a pharmacy from one of our production systems (controlled)	The expected outcomes here are seen everyday when patients actually go to the pharmacy and are able to pick up their prescriptions. This is proving that the receiving pharmacies are able to successfully dispense the transmitted medication orders.
Using our CCDA Data Export feature, export a set of patients from one of our production systems and visually inspect the files for validity	The expected outcome of this test is to be able to queue up a task to be able to export more than one patient's clinical summary at a time and the format of each patient clinical summary will adhere to the CCDA standard.
Using our CCDA Data Export feature, export a set of patients from one of our production systems and import a few into a Staging system to ensure Medications, Medication Allergies, and Problems are imported along with demographics	This test will validate the format of the CCDA and upon importing the patients' clinical summaries, the proper data will become part of the chart in the receiving system.
Generate a few CQMs from a production system and verify a few patients' data as criteria for meeting the measure is accurate	The expected outcome is the program is able to identify the patients properly as they fit into the denominator, numerator, exclusion and/or exception for each Clinical Quality Measure.
Using a patient from the above measure, alter data to ensure the patient moves from the Denominator to the Numerator or to Exclusion or Exception	The expected outcome is the program is able to identify the patients properly as they fit into the denominator, numerator, exclusion and/or exception for each Clinical Quality Measure.

Using a generated CQM, generate a QRDA III file and visually inspect for validity	The QRDA Category III file should adhere to the standard and be able to be validated. The expected outcome is for the user or system to be able to extract the results of the Clinical Quality Measure by breaking down the denominator, numerator, exclusion and/or exception.
Using generated CQMs, create JSON file and upload to QPP to show validity *This will be done for our clients that we report for	The JSON file should adhere to the standard and be able to be validated. The expected outcome is for the QPP Portal to be able to extract the results of the Clinical Quality Measure by breaking down the denominator, numerator, exclusion and/or exception.
Using a client-provided QRDA I file, import patient data	The expected outcome is for the system to be able to successfully parse and import the patient data from the QRDA Category I file.
Using a generated CQM, generate a QRDA I file and visually inspect for validity	The QRDA Category I file generated by the system should be properly formatted and include the required patient data.
Show Immunization messages successfully transmitted out of a production system to a state registry	The expected outcome is that the patients' immunization administered by the practice is properly transmitted to the State registry.
Ask user to log onto State Registry and show us successful immunization messages were transmitted	The expected outcome is that the patients' immunization administered by the practice is properly transmitted to the State registry.
Generate a Syndromic Surveillance message out of a production system and visually inspect it for validity	The Syndromic Surveillance message should be properly formatted as per the certification requirement.
Follow our instructions for utilizing the ReLi Med Solutions MU3 API, Version 1.0 here: https://api.relimedsolutions.com/ and since we do not have a real Application to test, we will use Swagger	The expected outcome will be as documented in the API documentation.

SCHEDULE OF KEY MILESTONES

Key Milestone	Care Setting	Date.Timeframe
CQMs generated and JSON files stored locally	Ambulatory – Internal Medicine	February 25th, 2022
JSON files uploaded to QPP/Validated	Ambulatory – Internal Medicine	March 18th, 2022
Complete QRDA I Import Testing on Staging system with client-provided files	Ambulatory – Family Medicine	November 30th, 2021
Complete Sending/Receiving CCDA via Direct message from production system	Ambulatory – Internal Medicine	December 31st, 2021

Complete Patient Portal View, Download and Transmit of CCDA testing	Ambulatory – Internal Medicine	January 21st, 2022
Complete Patient Portal API with Swagger app	Ambulatory – Internal Medicine	January 28th, 2022
Complete all other testing	Ambulatory – Internal Medicine	May 14th, 2022
Complete RWT Results Documentation	Ambulatory – Internal Medicine	June 25th, 2022

ATTESTATION

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Authorized Representative Signature:

Date: 10/27/2021