VISION INFONET INC

Real World Testing Plan

GENERAL INFORMATION

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

Developer Name: **Vision Infonet Inc**

Product Name(s): **MDCare EMR/PMS**

Version Number(s): **5.0**

Certified Health IT Product List (CHPL) ID(s): **15.04.04.2872.MDCa.05.00.1.180312**

Developer Real World Testing Page URL:

http://mdcare.com/pdf/MDCARERWT2023.pdf

JUSTIFICATION FOR REAL WORLD TESTING APPROACH

In order to comply with the Real-World Testing Condition and Maintenance of Certification requirements, Real World Testing plans would be made publicly available on the Certified Health IT Product List (CHPL) by December 15th. Vision Infonet is prepared towards achieving Real World Testing results which will subsequently be publicly available on the CHPL by March 15th of the subsequent year.

MDCare EMR/PMS is a browser based application. MDCare has an established plan to demonstrate interoperability and functionality of its certified modules in a real world setting and scenario within Primary care and Internal Medicine settings. MDCare will be using real customer settings to ensure functional accuracy and transparencies. All functional criteria further referenced in the document are predicated on customer usability in real world environments such as ambulatory clinics. The use cases will include actions by varying user types to capture the required data and workflows.

Vision Infonet's overall approach to Real World Testing, will use data to demonstrate interoperability criterion by measuring relevant tasks and successful collection of specific auditable data associated with each certification requirement.

Measures will align with the elements within a Real World Testing plan including certification requirements and clinical settings.

SVAP

The Standards Version Advancement Program (SVAP) is Not Applicable

MEASURES USED IN OVERALL APPROACH

Each plan includes at least one measurement/metric that addresses each applicable certification criterion in the Health IT Module's scope of certification. Describe the method for measuring how the approach(es) chosen meet the intent and purpose of Real World Testing.

For each measurement/metric, following elements are described:

- ✓ Description of the measurement/metric
- ✓ Associated certification criteria
- ✓ Justification for selected measurement/metric
- ✓ Care setting(s) that is addressed
- ✓ Expected outcomes

Description of Measurement/Metric Associated Certification Criteria/ Justification for Selected Measurement/Metric

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

Associated Certification Criteria	Measurement/Metric	Description	Justification
170.315(b)(1) Transitions of care and 170.315(h)(1) Direct Project	1. Demonstration of creation of a C-CDA at the end of an ambulatory encounter with transmission to the next provider of care via Direct Messaging with a confirmation of receipt in a client production environment. 2. Demonstration of the ability to receive a C-CDA through Direct messaging into the Inbound Documents Queue and save it into the EHR. 3. Total number of successfully transmitted C-CDAs (CCD, and Referral Note) based on receipt of ACK messages 4. Total number failed C-CDA (CCD, and Referral Note) transmissions based on receipt of ACK messages 5. Total number received C-CDAs via inbound Direct messaging	The user will be sending and receiving C-CDA's to demonstrate that the system successfully exchanges the certified C-CDA with another outside provider via HISP.	1. To demonstrate the ability to send C-CDAs to the next provider of care through Direct Messaging via HISP after the visit. 2. To demonstrate the ability to receive C-CDAs from other sources through Direct Messaging via HISP at the time of patient visit.
170.315(b)(6) Data export	Demonstration of the use of a patient-list to create an export of C-CDAs with the ability to save them to a file system location at the client site. System counts the total generated C-CDAs data and exported by an authorized user	1. Number of times a data export was performed for a patient 2. Number of times a data export was performed for multiple patients in a single transaction 3. Number of times a data export was performed for all patients in a single transaction. .	1. The audit log captures the C-CDA generation for both single and a group of patients. 2. Viewing that this is logged with a date/time stamp and viewing the generated files will verify that the system performs as expected and meets the ONC criteria. 3. To demonstrate the ability to successfully generate a set of C-CDAs on demand based upon a list of patients in a real-world environment.
170.315(c)(1) Clinical quality measures – record and export	Record and generate the CQM export file QRDA 1 for selected measures as identified by the provider and practice System counts the total number of successful submissions as reported by clients	Provider completes the patient encounters for the selected measures. Provider navigates to CQMs page and selects the quality measures and generates the report and then "Export to QRDA 1" to export CQM in QRDA 1 format.	Application enables the providers to record and generate the CQM measures for the multiple patients and all user scenarios are specific to the certified criterion. The goal of this approach is to demonstrate that both the interoperability and conformance capabilities of the certified Health It are consistent with the requirement of the 170.315 (c) (1) certification criteria.

170.315(c)(3) Clinical quality measures--report.	Generate CQM QRDA I & III files and export for the applicable measures that was selected by the provider. System counts the total number of successful submissions as reported by clients	Demonstration of the ability to generate QRDA I and QRDA III files which comply with the CMS QRDA Implementation Guide.	To demonstrate that the EHR can produce QRDA files and the system performs as expected.
170.315(g)(7) Application access – patient selection	For Application Access – Patient Selection, a connection can be established to the API for the specified patient Total number patient API authentication events	For Application Access – Patient Selection a connection can be established to the API and a token is returned that uniquely identifies a single patient.	The token returned match the specified patient, verifying that the system performs as expected and meets the ONC criteria.
170.315(g)(8) API - Data Category	For Application Access – Data Category Request, a request is made for a single data category Total number of data category requests received	For Application Access – Data Category, an API response is received and contains the relevant data for the requested time period (a single date or a date range) and the category of data that was requested.	An API response with relevant data requested for the specified patient, verifies that the system performs as expected and meets the ONC criteria.
170.315(g)(9) Application access – all data request	For Application Access – All Data Request, a request is made for the specified patient over all time for all data Total number of all data requests (C-CDAs) received	For Application Access – All Data Request, a response is received that contains all relevant data over all time.	An API response with all data requested for the specified patient over all time verifies that the system performs as expected and meets the ONC criteria.
170.315(f)(3) Transmission to Public Health Agencies – Reportable Laboratory tests and value/results	Demonstration of electronic transmission of reportable laboratory tests and values/results to Public Health Agencies.	The user will add all reportable lab tests and results in the system and Send to the registry. Observed the Test Results and successfully captures additions to be sent to a registry.	The audit log captures the addition of reportable lab test results with date/time stamp and user verifying that the system performs as expected and meets the ONC criteria.

Care Setting(s)

Care Setting	Justification
Internal Medicine	This type of care setting encompasses nearly 30% of Vision Infonet user base. Including this care setting will demonstrate that the system works in the real world for many of our users.
Primary Care practice	This type of care setting encompasses nearly 30% of Vision Infonet user base. Including this care setting will demonstrate that the system works in the real world for many of our users.
Other Specialties	These types of care settings encompass nearly 40% of Vision Infonet user base. Including thesecare settings will demonstrate that the system works in the real world for many of our users.

Expected Outcomes

Measurement/Metric	Expected Outcomes
170.315(b)(1) Transitions of care and 170.315(h)(1) Direct Project 1. Demonstration of creation of a C-CDA at the end of an ambulatory encounter with transmission to the next provider of care via Direct Messaging with a confirmation of receipt in a client production environment.. 2. Demonstration of the ability to receive a C-CDA through Direct messaging into the Inbound Documents Queue and save it into the EHR. 3. Total number of successfully transmitted C-CDAs (CCD, and	1. Documentation evidencing receipt of C-CDAs into recipient EHRs when sent by the client via Direct Messaging statuses via HISP in timeline 2. Documentation evidencing receipt of external C-CDAs into the client's EHR via Direct messaging via HISP into the Inbound External Documents Queue. 3. Identification of volume of aggregated successful transmissions of C-CDAs via Direct Messaging from HISP by month. 4. Identification of volume of aggregated failed transmissions of C-CDAs via Direct from HISP Messaging by month.

Referral Note) based on receipt of ACK messages 4. Total number failed C-CDA (CCD, and Referral Note) transmissions based on receipt of ACK messages 5. Total number received C-CDAs via inbound Direct messaging	5. Identification of volume of aggregated received transmissions of C-CDAs by month.
170.315(b)(6) Data export Demonstration of the use of a patient-list to create an export of C-CDAs with the ability to save them to a file system location at the client site. System counts the total generated C-CDAs data and exported by an authorized user	1 .Authorized users are enabled to define the schedule, share the patient population using the export functions. 2. Demonstrate the ability to create a patient list used to generate a set of C-CDAs upon demand with their health information. 3. Identifies the volume of successful performance of Data Exports by month
170.315(c)(1) Clinical quality measures – record and export Record and generate the CQM export file QRDA 1 for selected measures as identified by the provider and practice System counts the total number of successful submissions as reported by clients	Generating QRDA I files to demonstrate compliance with certification criteria. The CQMs utilize RX Norm, ICD-10, SNOMED, and CPT Code sets to calculate the numerators and denominators. The QRDAs will capture this data and demonstrate that the system conforms to the standard value sets. Total number of CQM measures selected by the provider and successful submission as reported by the clients. Total number of defects identified and resolved during the QRDA I generation
170.315(c)(3) Clinical quality measures--report. Generate CQM QRDA I & III files and export for the applicable measures that was selected by the provider. System counts the total number of successful submissions as reported by clients	Generating QRDA III files to demonstrate compliance with certification criteria. The CQM's utilize RX Norm, ICD-10, SNOMED, and CPT code sets to calculate the numerators and denominators. The QRDAs will capture this data and demonstrate that the system confirms to the standard value sets. Total number of CQM measures selected by the provider and successful submission as reported by the clients. Total number of defects identified and resolved during the QRDA III generation
170.315(g)(7) Application access – patient selection. For Application Access – Patient Selection, a connection can be established to the API for the specified patient Total number patient API authentication events	The user can establish connection with the API and receive a token to confirm access. Identification of aggregated volume of successful patient authentications for accessing EHI via a patient-facing API by month
170.315(g)(8) API - Data Category For Application Access – Data Category Request, a request is made for a single data category Total number of data category requests received	The user can make a request for an individual data category in the CCDS for a specific date or date range Identification of aggregated volume of patient requests for one or more data categories via a patient-facing API by month
170.315(g)(9) Application access – all data request. For Application Access – All Data Request, a request is made for the specified patient over all time for all data Total number of all data requests (C-CDAs) received	A user will be able to request a full history of the patient records containing all elements of the CCDS over the period of all time Identification of aggregated volume of patient requests for all data elements via a patient-facing API by month
170.315(f)(3)Transmission to Public Health Agencies – Reportable Laboratory tests and value/results Demonstration of electronic transmission of reportable laboratory tests and values/results to Public Health Agencies.	The ability for the user to send all reportable lab tests and results in the system to the Registry. System records the total number of reportable Tests & Results selected by the provider and successful submission to the Registry by month.

SCHEDULE OF KEY MILESTONES

Key Milestone	Care Setting	Date/Timeframe
RWT Plan publication to CHPL	Internal Medicine Primary Care practice Other Specialties	Nov 2022
RWT Prepare Project Plan	Internal Medicine Primary Care practice Other Specialties	Jan 2023-Feb2023
RWT – Testing and Outcomes documentation	Internal Medicine Primary Care practice Other Specialties	Mar 2023-June 2023
RWT results aggregation	Internal Medicine Primary Care practice Other Specialties	July 2023-Dec 2023
RWT Results submission to Drummond for publication	Internal Medicine Primary Care practice Other Specialties	January 2024

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.

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