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CY 2023 Real World Testing Plan

American Medical Software is committed to maintaining compliance with the Office of the National Coordinator's (ONC) Health IT Certification Program. This document is to serve as the 2023 real world test plan for American Medical Software. ONC's Condition of Certification and Maintenance of Certification requirement for real world testing (§170.405 Real World Testing) outlines requirements for developers to demonstrate interoperability and functionality of their Certified Health IT in real world settings and scenarios.

This document will outline American Medical Software's test plans for its Certified Health IT, Ultra Charts v27. This plan will identify which measures to test, the general approach and goal of the testing, the type of practice(s)/client(s) to be tested with, as well as the methodology and anticipated outcomes relevant to the tests performed.

Upon completion of the real world tests performed throughout 2023, American Medical Software will analyze the collected test data and compile a report of the findings. If any non-compliances are observed, American Medical Software will contact the ONC-ACB to alert them of our findings and of the necessary steps taken to correct the matter.

Developer/Product Information

Plan Report ID Number:

Developer Name: American Medical Software

Product Name: Ultra Charts

Version Number: 27

Certified Health IT Criteria: §170.315(b)(1-3), (b)(6), (f)(1)

Product List (CHPL) ID and Link:

- 15.04.04.1085.Ultr.27.00.1.190530
- https://chpl.healthit.gov/#/listing/10002

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

Timelines and Milestones for Real World Testing CY 2022

Key Milestone	Date/Timeframe
Development of Real World Testing Plan.	August 2022
Identify clients willing/eligible to assist with RWT.	September 2022
Finalization and Submission of RWT plan.	November 2022
Finalization of client selection.	First Quarter, 2023
Data collection and review.	Third Quarter, 2023
Data analysis and report creation.	Fourth Quarter, 2023
Report submission to ONC-ACB.	First Quarter, 2024

Standards Version Advancement Process (SVAP) Updates

American Medical Software will not be making any version updates of approved standards through the Standards Version Advancement Process for CY 2023.

Standard (and version)	N/A
Method used for standard update	N/A
Date of ONC-ACB notification	N/A
Date of customer notification (SVAP only)	N/A

Testing Methodologies used in this plan:

Tracking/Logging: American Medical Software will utilize tracking and logging available within the system of selected test clients to create use metrics of the certified criteria, as well as the success or failure of the actions taken over a given timeframe. This will allow American Medical Software to record the frequency of use for specific certified criteria as well as the success rate of the user's actions. This data will then be compiled in to usable metrics, allowing American Medical Software to report on the use and functionality of the selected certified criteria in a real world environment.

Periods of measurement used in this plan:

Any and all information or data used in this real world testing plan will be captured over a minimum of a three (3) month period during CY 2023 in order to provide an accurate sample of the system's use for results and reporting.

Care Settings used in this plan:

American Medical Software's Ultra Charts v27 is marketed to small, independent, ambulatory physician offices and medical practices looking for a comprehensive, simple, and affordable solution. The software itself is designed for a general practice/ambulatory setting and is highly customizable. It is therefore usable in nearly any type of practice environment or specialty but is not specialty specific, nor marketed as such.

American Medical Software's test plan takes this in to account and sets the primary focus of our testing environments to be small, independent, ambulatory physician offices and medical practices that the system is marketed to. AMS will seek to identify as many clients of various specialties as possible who are willing to participate and allow us access to their systems for the data collection required in our real world test plan.

§170.315(b)(1) – Transitions of Care

Justification for Real World Testing Approach

American Medical Software's (AMS) Ultra Charts supports the sending and receiving of Consolidated Clinical Document Architecture (C-CDA) documents in compliance with the transitions of care (§170.315(b)(1)) certification criteria. AMS will show conformity to these requirements in a real world environment by tracking the success or failure of the software to share referral C-CDA documents in a typical office environment that the software is marketed to and used in.

Overall Expected Outcome

- Real World Testing will demonstrate that the certified Health IT is conformant to the §170.315(b)(1) Transitions of Care certification criteria.
- Real World Testing will demonstrate the successful use of the certified Health IT by users to share transition of care/referral summaries successfully.

Measures Used

The following outlines the measures that have been identified to best demonstrate conformance to the §170.315(b)(1) certification criteria.

Measure 1: Sharing. This measure will catalogue the success or failure of any referral C-CDA's generated and transmitted to, or received and imported from our secure direct messaging interface with Updox. Associated certification criteria include:

Certification Criteria	Requirement
§170.315(b)(1) Transitions of care	(i)(A) Send transition of care/referral summaries
	(i)(B) Receive transition of care/referral summaries

- Justification: The Ultra Charts v27 system includes two functionalities of interest: (A) Send transition of care/referral summaries and (B) Receive transition of care/referral summaries. Transition of care/referral summaries are shared via secure REST API using TLS1.2 to Updox for secure message sending via their ONC certified systems. This metric will provide information relating to the frequency of usage and its success rate over the testing periods.
- Test methodologies: Tracking/Logging. System logs will be de-identified and reviewed to track the generation and transmission of referral C-CDAs out of the certified Health IT, as well as receipt and import of referral C-CDAs in to the certified Health IT.
- Expected Outcome: It is expected that providers and clinical staff will be able to share referral summaries using the transmission methods provided with a less than 1% rate of failure.

§170.315(b)(2) – Reconciliation and Incorporation

Justification for Real World Testing Approach

American Medical Software's (AMS) Ultra Charts supports the receiving, reconciling, and incorporation of Consolidated Clinical Document Architecture (C-CDA) documents in compliance with the Clinical Information Reconciliation and Incorporation (§170.315(b)(2)) certification criteria. AMS will show conformity to these requirements in a real world environment by tracking the success and failure of the software to receive and reconcile C-CDA documents in a typical office environment that the software is marketed to and used in.

Overall Expected Outcome

- Real World Testing will demonstrate that the certified Health IT is conformant to the §170.315(b)(2) Clinical Information and Reconciliation certification criteria.
- Real World Testing will demonstrate the successful use of the certified Health IT by users to receive and reconcile C-CDA documents in to their patient charts.

Measures Used

The following outlines the measures that have been identified to best demonstrate conformance to the 170.315(b)(2) certification criteria.

Measure 1: Reconciliation. This measure will catalogue the success or failure of any C-CDA's received that are reconciled and imported to the patient chart. Associated certification criteria include:

Certification Criteria	Requirement
§170.315(b)(2) Clinical Information Reconciliation and Incorporation	(iii) Reconciliation

- Justification: The Ultra Charts v27 system includes two primary functionalities of interest: Receipt and reconciliation of received C-CDA files. This metric will provide information relating to the frequency of usage and its success rate over the testing periods.
- Test methodology: System logs will be de-identified and reviewed to track the receipt and reconciliation of data from the C-CDA to the patient chart.
- Expected Outcome: It is expected that providers and clinical staff will be able reconcile and import received C-CDA documents to patient charts with a less than 1% rate of failure.

§170.315(b)(3) – Electronic Prescribing

Justification for Real World Testing Approach

American Medical Software's (AMS) Ultra Charts supports the electronic writing and transmission of prescriptions in compliance with the Electronic Prescribing (§170.315(b)(3)) certification criteria. AMS will show conformity to these requirements in a real world environment by tracking the success and failure of NewRx generated through the electronic prescription module offered by AMS through its partnership with NewcropRx.

Overall Expected Outcome

- Real World Testing will demonstrate that the certified Health IT is conformant to the §170.315(b)(3) Electronic Prescribing certification criteria.
- Real World Testing will demonstrate the successful use of the certified Health IT by users to electronically create and send new prescriptions.

Measures Used

The following outlines the measures that have been identified to best demonstrate conformance to the 170.315(B)(3) certification criteria.

Measure 1: Electronic Prescribing. This measure will catalogue the success or failure of any NewRx electronic prescriptions created and sent to a pharmacy. Associated certification criteria include:

Certification Criteria	Requirement
§170.315(b)(3) Electronic Prescribing	(i) Create new prescriptions

- Justification: The Ultra Charts v27 system supports electronic prescription writing in conjunction with NewcropRx. This metric will provide information on NewRx prescriptions sent through the NewcropRx system's interface, providing the frequency of usage and its success rate over the testing period.
- Test methodologies: System logs will be de-identified and reviewed to track the creation of new electronic prescriptions.
- Expected Outcome: It is expected that providers will be able to create and send new prescriptions using the transmission method provided with a less than 1% rate of failure.

§170.315(b)(6) – Data Export

Justification for Real World Testing Approach

American Medical Software's (AMS) Ultra Charts supports the export of Consolidated Clinical Document Architecture (C-CDA) documents in compliance with the Data Export (§170.315(b)(6)) certification criteria. AMS will show conformity to these requirements in a real world environment by tracking the success and failure of the software to export C-CDA documents in a typical office environment that the software is marketed to and used in.

Overall Expected Outcome

- Real World Testing will demonstrate that the certified Health IT is conformant to the §170.315(b)(6) Data Export certification criteria.
- Real World Testing will demonstrate the successful use of the certified Health IT by users to export summary of care C-CDA files on demand or via scheduled date/times.

Measures Used

The following outlines the measures that have been identified to best demonstrate conformance to the 170.315(b)(6) certification criteria.

Measure 1: Export. This measure will catalogue the success or failure of any attempts to utilize the data export function. Associated certification criteria include:

Certification Criteria	Requirement
§170.315(b)(6) Data Export	(i)(A) Enable user to create export summary
	(iii)(A) Enable user to set date/time for auto export

- Justification: The Ultra Charts v27 system includes two functionalities of interest: (A) enable users to create individual or multiple export summaries on demand and (B) enable users to set a date, time, and export location for automatic summary export. This metric will provide information relating to the frequency of usage and its success rate over the testing period.
- Test methodology: System logs will be de-identified and reviewed to track the generation of export summaries both on demand by users or as part of a scheduled export.
- Expected Outcome: It is expected that authorized users will be able to export summaries on demand and that scheduled exports complete as configured with a less than 1% rate of failure.

§170.315(f)(1) – Transmission to Immunization Registries

Justification for Real World Testing Approach

American Medical Software's (AMS) Ultra Charts supports the sending and receiving of Immunization records to state agencies in compliance with the Transmission to Immunization Registries (§170.315(f)(1)) certification criteria. AMS will show conformity to these requirements in a real world environment by tracking the success and failure of the software to share immunization files in a typical office environment that the software is marketed to and used in.

Overall Expected Outcome

- Real World Testing will demonstrate that the certified Health IT is conformant to the §170.315(f)(1) Transitions of Care certification criteria.
- Real World Testing will demonstrate the successful use of the certified Health IT by users to share immunization records with immunization registries.

Measures Used

The following outlines the measures that have been identified to best demonstrate conformance to the 170.315(f)(1) certification criteria.

Measure 1: Sharing. This measure will catalogue the success or failure of any HL7 immunization files generated and transmitted to immunization registries, as well as the receipt and import of immunization history or forecast records received from immunization registries. Associated certification criteria include:

Certification Criteria	Requirement
§170.315(f)(1) Transmission to Immunization Registries	Technology must be able to create immunization information and query, access, display immunization information history and forecast from an immunization registry.

- Justification: The Ultra Charts v27 system includes three functionalities of interest: Send Immunization records to an immunization registry; query, access, display immunization information history; and query, access, display immunization forecasts. This metric will provide information relating to the frequency of usage and its success rate over the testing periods.
- Test methodology: System logs will be de-identified and reviewed to track the generation and transmission of HL7 Immunization Records out of the certified Health IT to an immunization registry, as well as the query, access, and display of immunization information history and forecasts.
- Expected Outcome: It is expected that providers and clinical staff will be able to transmit immunization records to immunization registries, and view historical immunization records or forecasts with a less than 1% rate of failure.

Developer Attestation

This Real World Test plan is complete with all required elements as outlined by ONC. This includes measures that address all certification criteria required to be tested through real world testing, and will be performed within the care settings marketed for use by American Medical Software's certified Health IT.

Authorized Signature: 

Authorized Signer Name: Timothy J. Scott

Authorized Signer Title: Chief Operating Officer

Date: October 28th, 2022