iMed Software Corp.

IMEDEMR 5.1

Real World Testing Plan v.1.6

General Information

Plan Report ID Number:

Developer Name: iMed Software Corp.

Product Name(s): iMedEMR

Version Number(s): 5.1

Certified Health IT Product List (CHPL) ID(s): 15.04.04.2621.iMed.51.00.1.181229

Developer Real World Testing Page URL: https://www.imedsoftwarecorp.com/certification

Justification for Real World Testing Approach

In this real world test plan, iMed Software Corp will confirm compliance of the certified modules with ONC certification and test interoperability in real world settings and scenarios. Selected providers will be provided with detailed instructions and audit logging of all measures will be activated inside the clinic's software. Interoperability and compliance will be analyzed as testing

continues through audit logging analysis. Audit logs will be inspected every 60 days and both the quantity of expected outcomes and the error frequency rate assessed. If any issues are found during testing, an updated version will be released and potentially recertified to be retested in real world testing after it's release.

iMed will utilize real customers and select providers based on their usage of the software to fully cover all aspects of the certified modules.

Measures used in Overall Approach

Measure 1

Transitions of Care

170.315(b)(1) Transitions of care

This test plan will test the interoperability of sending and receiving transitions of care.

The metric used will be the number of CCDAs sent to third party providers.

The care setting addressed is inside an ambulatory clinic.

Relied upon software: PhiMail Server for direct messaging.

Measure Test Plan:

1. The provider will select a patient, open the patient chart, click the "+" sign under "Referral/TOC" and send a CCDA with a referral to an outside provider, then click "Send Referral".
2. The provider will click on an incoming referral from their dashboard view. Select the CCDA and import it into the patient's chart.

Expected Outcome:

1. CCDA is sent to a third party provider..

Measure 2

Clinical information reconciliation and incorporation

170.315(b)(2) Clinical information reconciliation and incorporation

This test plan will test the software's ability to reconcile data received from outside clinics in CCDA format and correctly incorporate into the appropriate chart sections. It will also test the usability of this function by providers.

The metric used will be the number of CCDAs reconciled into patient charts.

The care setting addressed is inside an ambulatory clinic.

Measure Test Plan:

1. After step 2 of measure 1, the provider will click the "Reconcile" button from within the imported CCDA.
2. Provider should click with the reconciliation process, reconciling each section of the chart and saving at the end.

Expected Outcome:

1. Reconciled medications, allergies, and problems now show in the patient's chart.

Measure 3

View, Download, and Transmit and Consolidated CDA creation performance

170.315(e)(1) View, download, and transmit to 3rd party

170.315(g)(6) Consolidated CDA creation performance

This test plan will confirm the patient is able to view and download their health information via the patient portal. It will also test the interoperability of transmitting health data by the patient via the patient portal and test for valid CDA creation.

The metrics used will be the number of times patients viewed, downloaded, or transmitted to a third party direct address from the patient portal.

The care setting addressed is inside an ambulatory clinic.

Relied upon software: PhiMail Server for direct messaging.

Measure Test Plan:

1. After a visit, the patient logs into their patient portal, opens their personal health record, and views, downloads, and/or transmits it to a third party direct address.

Expected Outcome:

1. CCDA will be viewed, downloaded, or transmitted.

Measure 4

Application Access

170.315(g)(7) Application access— patient selection

170.315(g)(8) Application access— data category request

170.315(g)(9) Application access—all data request

This test plan will test the interoperability of the FHIR API.

The metric used will be the number of queries ran through the FHIR API at a given clinic.

The care setting addressed is inside an ambulatory clinic that utilizes a third party software to retrieve patient data through FHIR.

Measure Test Plan:

1. Provider is capable of creating API credentials from within the software.
2. Once authentication is set up with third party software, patient queries happen automatically on the iMed side, no further user input is required. Provider will navigate to third party software and view retrieved patient data.

Expected Outcome:

1. Patient data will appear accurately in the third party system.

Measure 5

Data Export

170.315(b)(6) Data Export

This test plan will test the interoperability of the data export.

The metric used will be the number of times data is exported using the data export utility.

The care setting addressed is inside an ambulatory clinic that utilizes the data export into a third party software.

Measure Test Plan:

1. Provider will navigate to the System > Utilities > Data Export screen.
2. Perform an export with the parameters needed for the use case.

Expected Outcome:

1. Patient data will appear accurately in the third party system.

Measure 6

Transmission of Laboratory test results

170.315(f)(3) Transmission to public health agencies — reportable laboratory tests and value/results

This test plan will test the interoperability of the transmission of laboratory tests and results to public health agencies.

The metric used will be the number of lab test results transmitted.

The care setting addressed is inside an ambulatory clinic that utilizes the transmission of laboratory test results to public health agencies.

Measure Test Plan:

1. Provider must work with iMed Software to set up an interface with a public health agency.
2. Provider will continue to read lab results as usual in the software and results will be automatically submitted to the public health agency.

Expected Outcome:

1. Patient lab result data will appear accurately in the public health agency website.

Schedule of Key Milestones

Key Milestone	Date
Release of documentation including detailed instructions, and surveys.	Jan 2023
Identify providers for real world testing.	Feb 2023
Meet with providers to establish time-lines, review instructions, and data collection.	March 2023
Ongoing followup with providers for any corrective measures deemed necessary.	Every 60 days 2023
Data collection and review.	Every 60 days 2023
End of real world testing.	Dec 31st, 2023
Analysis of results and report creation.	Jan 2024

Submit real world testing report.	Feb 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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