

REAL WORLD TESTING PLAN

170.315(f)(5) - Transmission to public health agencies — electronic case reporting

GENERAL INFORMATION

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

Developer Name: Intermountain Healthcare

Product Name(s): Intermountain Healthcare Electronic Case Reporting

Version Number(s): 2

Certified Health IT Product List (CHPL) Product Number(s): 15.04.04.1734.IECR.02.00.0.221224

OVERVIEW AND METHODOLOGIES

This document summarizes Intermountain Healthcare's plan to measure the real world use of the certified module Intermountain Healthcare Electronic Case Reporting. The certification criterion to be used in this plan is 170.315(f)(5). The Real World Testing objective is to provide evidence that will show HL7® CDA® R2 Implementation Guide: Public Health Case Report, Release 2 STU Release 1.1 – US Realm the Electronic Initial Case Report (eICR) documents have been successfully transmitted between Intermountain Healthcare and the Association of Public Health Laboratories (APHL) Informatics Messaging Services (AIMS) platform.

The Real World Testing methodology will provide test metrics showing the successful creation of eICR compliant documents with reportable conditions and the successful transmission of that data to the AIMS platform. The method used will be to verify successful transmission rates for a representative sample of transactions of eICR documents transmitted to the AIMS platform for a 2-week period during the calendar year to show evidence of ongoing successful real world use of the certified capabilities.

JUSTIFICATION FOR REAL WORLD TESTING APPROACH

Intermountain Healthcare Electronic Case Reporting is a certified HIT module that was designed to take in required patient and case data and build eICR documents that are compliant with the HL7® CDA® R2 Implementation Guide: Public Health Case Report, Release 2 STU Release 1.1 – US Realm the Electronic Initial Case Report specifications. The messages are transmitted in near real-time to the AIMS platform based on their transmission requirements and timeframes. During the certification process, Intermountain Healthcare demonstrated and provided evidence showing the capability of the



Intermountain Healthcare Electronic Case Reporting to create compliant outbound documents containing all required data.

The purpose of this Real World Test plan is to demonstrate the functionality of the Intermountain Healthcare Electronic Case Reporting in real world settings and scenarios, rather than in a controlled test lab, which was shown during the certification process. To demonstrate real world use of this certified HIT module's capabilities, this Real World Test plan will show successful transmissions of the compliant eICR documents to the AIMS platform. This will be demonstrated over multiple 2-week test periods. The testing for the certified HIT module will gather eligible case information and transmission data across all care settings that will be used in supporting the expected outcome. This methodology is perfect for Real World Testing since it demonstrates successful use of the certified capabilities of the Intermountain Healthcare Electronic Case Reporting.

CARE SETTINGS

Intermountain Healthcare Electronic Case Reporting software is a standalone product that performs formatting and processing of reportable conditions from the Electronic Health Record. It is used for data produced within Intermountain facilities that diagnose and treat reportable conditions based on the Reportable Conditions Knowledge Management System (RCKMS) criteria list. Real world testing will be performed with data from these facilities. The capabilities of this software are exclusively intended for the inpatient and outpatient care settings.

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

Not applicable.

SCHEDULE OF MILESTONES

Each milestone applies to all care settings outlined above.

1. Create data collection tools and services: Q1 2024
 - a. Create tools for collecting eligible reportable conditions from the EHR.
 - b. Create tools for collecting transmission data to the AIMS platform.
2. Multiple Data Collections: Q2 & Q3 2024
 - a. Capture eligible reportable conditions.
 - b. Capture successful transmission data.
3. Analysis and report creation: Q4 2024

EXPECTED OUTCOMES

The expected outcome of the Real World Test plan will be that the Intermountain Healthcare Electronic Case Reporting will have a transmission success ratio of 85% or higher. This will provide proof that standardized eICR documents are being successfully generated and transmitted to the AIMS platform on a daily-basis during the 2-week test period. This shows that the certified capabilities of the Intermountain Healthcare Electronic Case Reporting are actively being used with the AIMS platform.

TESTING METRICS

We plan to use the following metrics to demonstrate the percentage of compliant eICR documents being delivered to the AIMS platform. The selected metrics for the Intermountain Healthcare Electronic Case Reporting will show the percentage of successful eICR document transactions during multiple 2-week measurement periods. The target percentage for the metrics is 85% or greater.

Metric 1: Count of eligible reportable conditions

This metric is a count of the total number of reportable conditions that are eligible for transmission to the AIMS platform.

Metric 2: Count of standardized eICR transmissions

This metric is the count of the actual number of compliant eICR documents that were successfully transmitted to the AIMS platform.

Justification

Demonstrating that 85% or greater of the total eligible reportable conditions provides evidence that the Intermountain Healthcare Electronic Case Reporting generated compliant eICR documents and successfully transmitted them to the AIMS platform. Selecting 85% or greater as the target metric captures a high enough threshold to show daily successful performance of the Intermountain Healthcare Electronic Case Reporting's certified capabilities. It also allows for unexpected networking issues or other errors caused by external systems.

ATTESTATION

Intermountain Healthcare attests that 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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