



REAL WORLD TESTING PLAN

Transmission to immunization registries & public
health agencies

Abstract

This Real-World Testing plan demonstrate PracticeSuite's capability to transmit immunization and syndromic surveillance in real world settings and scenarios.

REAL WORLD TESTING PLAN TEMPLATE

GENERAL INFORMATION

Plan Report ID Number: **20211020PRA**

Developer Name: **PracticeSuite, Inc**

Product Name(s): **PracticeSuite**

Version Number(s): **EHR-18.0.0**

Product List (CHPL) ID(s): **15.02.02.2198.A058.01.00.1.180306**

Developer Real World Testing Page URL: <https://practicesuite.com/ehr-onc-certification/#real-world-testing-plan-2022>

JUSTIFICATION FOR REAL WORLD TESTING APPROACH

PracticeSuite EHR supports creation, transmission and querying of patient immunization information and syndromic surveillance for a single patient at a time, as the requirements of the §170.315(f)(1) - Transmission to immunization registries, and §170.315(f)(2) - Transmission to public health agencies — syndromic surveillance certification criterion. Since the output of both these tests generates similar HL7 V2 standard files, these two criteria can be tested simultaneously. The goal of the testing approach is to demonstrate that the transmission capabilities of the application are consistent with the required certificate standards. This will be done through the test scenarios included in the plan as well as pulling the surveillance data exchange interactions between the system and the state and public agencies.

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

Standard (and version)	Not Applicable
Updated certification criteria and associated product	Not Applicable
Method used for standard update	Not Applicable
USCDI-updated certification criteria (and USCDI version)	None

MEASURES USED IN OVERALL APPROACH

DESCRIPTION OF MEASUREMENT/METRIC

The following list of measures have been identified to best demonstrate conformance to multiple certification criteria concerning the transmission to public registries.

Use Case: As part of the Real-World Testing requirements for §170.315(f)(1) and §170.315(f)(2), the developer has developed the following metrics for their testing plan.

Measure 1: Transmission to immunization registries. This measure will catalogue the use of HL7 V2 standard document conformant, and the ability of the system to transmit to state immunization registry. The associated certification criterion is to be tested in the primary care and pediatrics care setting.

Certification Criteria	Requirements
§170.315(f)(1) Transmission to immunization registries	i) Create immunization information according to the IG) IM Release 1.5, and the July 2015 Addendum, using CVX codes for historical vaccines and NDC codes for newly administered vaccines.
	ii) Transmit the immunization message to the connected organization.

Measure 2: Transmission to public health agencies — syndromic surveillance. This measure will assess the conformance of the certified syndromic surveillance transmission using the PracticeSuite Application to any of the public agencies. The associated certification criterion in the pediatric care setting listed below.

Certification Criteria	Requirements
§170.315(f)(2) Transmission to public health agencies — syndromic surveillance	i) Create syndrome-based public health surveillance information for electronic transmission according to the HL7 2.5.1 standard.
	ii) Transmit the syndrome-based public health surveillance message to the connected agencies.

JUSTIFICATION FOR SELECTED MEASUREMENT/METRIC

- Justification:** This immunization registry test is targeted in certain care settings like Primary Care, Pediatrics providers who are intends to report on to meet Objective 8: Public Health and Clinical Data Registry Reporting. Neurology care settings is used to test syndromic surveillance. It is a known fact that each state has their own way of submission of data. While the periodicity of the submission and transport standard requirement are not set by ONC, it will be difficult the find out the registry settings practices might be submitting. As the health IT developer our intention in this real-world testing scenario is to check if immunization and syndromic files are generated in the system and are formatted according to the adopted standards referenced by the certification criteria. This will be verified through the review of the data tables, activity tables and log files.
- Test methodology:** Querying of Data files, activity table and reviewing of Log files obtained during Real World Testing will be de-identified and used for analysis of the output files generated. The HL7 samples

collected will also be tested with validation tool for conformance of standards. This test methodology will primarily test the conformance of the implementation.

- **Expected outcome(s):** It is expected that providers will be able to create and transmit the immunization and syndrome-based public health surveillance information to the authorized government and public agencies.

CARE SETTING(S)

Primary Care and Pediatrics care setting: The PracticeSuite application supports the transmission of immunization information to public agencies.

Neurology setting: Since syndromic surveillance are not a requirement of ambulatory settings, we have chosen a Neurology setting for this testing.

EXPECTED OUTCOMES

- *Real World Testing will demonstrate that the Health IT Module is conformant to the certification criteria “§170.315(f)(1) Transmission to immunization registries” and “§170.315(f)(2) - Transmission to public health agencies — syndromic surveillance”*
- *Real World Testing will demonstrate the ability of the system to generate and transmit electronically to the government and public health agencies according to the HL7 2.5.1 standard*

SCHEDULE OF KEY MILESTONES

Key Milestone	Date/Timeframe
<i>Release of documentation for the Real-World Testing to be provided to authorized representatives and providers. This includes surveys, specific instructions on what to look for, how to record issues encountered, and Customer Agreements.</i>	Jan 31, 2022
<i>Collection of information as laid out by the plan for the period.</i>	January 15, 2022
<i>Meet with previously identified providers and authorized representatives to ensure that Real World Testing protocols are effective.</i>	Mar 2022
<i>Follow-up with providers and authorized representatives on a regular basis to understand any issues arising with the data collection.</i>	Quarterly, 2022
<i>End of Real-World Testing period/final collection of all data for analysis.</i>	January 1, 2023
<i>Analysis and report creation.</i>	Jan 15, 2023

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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Date:10/04/2021