The Office of the National Coordinator for
Health Information Technology

2015 Edition §170.315(f)(2) Transmission to Public Health Agencies – syndromic surveillance

Testing Components:

Test Procedure Version 1.1 – Last Updated 4/02/16

Please consult the Final Rule entitled: *2015 Edition Health Information Technology (Health IT) Certification Criteria, 2015 Edition Base Electronic Health Record (EHR) Definition, and ONC Health IT Certification Program Modifications* for a detailed description of the certification criterion with which these testing steps are associated. We also encourage developers to consult the Certification Companion Guide in tandem with the test procedure as they provide clarifications that may be useful for product development and testing.

Note: The order in which the test steps are listed reflects the sequence of the certification criterion and does not necessarily prescribe the order in which the test should take place.

Required Tests

(f)(2) Create syndrome-based public health surveillance information for electronic transmission in accordance with the standard (and applicable implementation specifications) specified in § 170.205(d)(4).

Standard(s): §170.205(d)(4) HL7 2.5.1 (incorporated by reference in §170.299). Implementation specifications. PHIN Messaging Guide for Syndromic Surveillance: Emergency Department, Urgent Care, Inpatient and Ambulatory Care Settings, Release 2.0, April 21, 2015 (incorporated by reference in § 170.299) Erratum to the CDC PHIN 2.0 Implementation Guide, August 2015; Erratum to the CDC PHIN 2.0 Messaging Guide, April 2015 Release for Syndromic Surveillance: Emergency Department, Urgent Care, Inpatient and Ambulatory Care Settings (incorporated by reference in § 170.299).

Test Tool and Test Data: NIST HL7 v2 Syndromic Surveillance Test Suite

Normative Test Process Document

Criteria ¶	System Under Test	Test Lab Verification
(f)(2)	1. The health IT developer identifies which of the health care setting(s) (Emergency Department, Inpatient, Urgent Care) are applicable to the system under test. The Health IT Module creates syndromic surveillance content using ONC Supplied Test data for each of the test cases for the identified health care setting(s) under the ONC 2015 Certification Test Plan on the Context-Based Validation Tab of the NIST HL7 v2 Syndromic Surveillance Test Suite. All test cases are required that apply to the health care setting(s) supported by the system under test. Input may be performed using manual or automated processes. 2. For each test case, the Health IT Module generates the indicated HL7 v2.5.1 ADT message type containing the Syndromic Surveillance information and using the provided test data and according to the §170.205(e)(4) HL7 v2.5.1 PHIN Messaging Guide and associated Erratum.	Using the **Normative Test Description section of the Normative Test Process Document:** 1. The tester verifies that the Health IT Module creates the source syndromic surveillance content correctly and without omission through Visual Inspection of the system under test using the test data specification of each Test Step associated with the selected test case. 2. The tester imports the syndromic surveillance message into the NIST HL7 v2 Syndromic Surveillance Test Suite and uses the Validation Report produced by the test tool to verify that the Health IT Module passes without error to confirm that the syndromic surveillance message is conformant to the HL7 v2.5.1 ADT message type in the §170.205(d)(4) HL7 v2.5.1 PHIN Messaging Guide and associated Erratum.

Document History

Version Number	Description of Change	Date
1.0	Final Test Procedure	January 20, 2016
1.1	Clarification to include reference to health care setting(s) of the system under test.	May 05, 2016

Dependencies: For all related and required criteria, please refer to the Master Table of Related and Required Criteria.