

§170.315(f)(2) Transmission to public health agencies – syndromic surveillance

2015 Edition Test Procedure

Version 1.2 Updated on 05-18-2018

Revision History

Version #	Description of Change	Version Date
1.0	Final Test Procedure	01-20-2016
1.1	Clarification to include reference to health care setting(s) of the system under test.	05-05-2016
1.2	Corrected standard referenced paragraph typo under SUT.	05-18-2018

Regulation Text

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§170.315 (f)(2) *Transmission to public health agencies – syndromic surveillance*—

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) Referenced

Applies to entire criterion

§ 170.205(d)(4) [HL7 2.5.1. Implementation specifications. PHIN Messaging Guide for Syndromic Surveillance: Emergency Department, Urgent, Care, Inpatient and Ambulatory Care, and Inpatient Settings, Release 2.0, April 21, 2015](#) and [Erratum to the CDC PHIN 2.0 Implementation Guide, August 2015](#)

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.

Testing components

				ONC Supplied Test Data
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Paragraph (f)(2)

System Under Test

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(d)(4) PHIN Messaging Guide for Syndromic Surveillance: Emergency Department, Urgent, Care, Inpatient and Ambulatory Care, and Inpatient Settings, Release 2.0 and associated Erratum.

Test Lab Verification

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) standard and associated Erratum.

Content last reviewed on September 24, 2018