The Office of the National Coordinator for
Health Information Technology

2015 Edition §170.315(f)(3) Transmission to Public Health Agencies - Reportable Laboratory Tests and Values/Results

Testing Components:				
Gap				ONC Supplied Test Data
Test Procedure Version 1.0 – Last Updated 1/20/16				

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)(3) Create reportable laboratory tests and values/results for electronic transmission in accordance with:

(i) The standard (and applicable implementation specifications) specified in § 170.205(g);

Standard(s): §170.205(g) Electronic transmission of lab results to public health agencies. Standard. HL7 2.5.1 (incorporated by reference in § 170.299). Implementation specifications. HL7 Version 2.5.1 Implementation Guide: Electronic Laboratory Reporting to Public Health, Release 1 (US Realm) (incorporated by reference in § 170.299) with Errata and Clarifications, (incorporated by reference in § 170.299) and ELR 2.5.1 Clarification Document for EHR Technology Certification, (incorporated by reference in § 170.299)

Test Tool and Test Data: NIST Electronic Laboratory Reporting (ELR) Test Suite
Normative Test Process Document

Criteria ¶	System Under Test	Test Lab Verification
(i)	1. The Health IT Module creates Reportable Lab content using ONC Supplied Test data for each of the test cases under the ONC 2015 Certification Test Plan on the Context-Based Validation Tab of the NIST Electronic Laboratory Reporting (ELR) Test Suite. All test cases are required. Input may be performed using manual or automated processes	Using the **Normative Test Description section of the Normative Test Process Document:** 1. The tester verifies that the Health IT Module creates the source Reportable Lab content correctly and without omission through Visual Inspection of the system under test using the test data specification associated with the selected test case. 2. The tester imports the ELR message into the test tool for validation and uses the Validation Report produced by the NIST Electronic Laboratory Reporting (ELR) Test Suite to verify the Health IT module passes without error to confirm that the reportable laboratory tests and values/results message is conformant to the §170.205(g) ELR Messaging Guide, Associated HL7 v2.5.1 Errata and Clarifications, and the ELR 2.5.1 Clarification Document.

(ii) At a minimum, the versions of the standards specified in § 170.207(a)(3) and (c)(2)Electronically Create Reportable Laboratory Tests and Values/Results for Transmission

Standard(s): §170.207(c)(2) Logical Observation Identifiers Names and Codes (LOINC®) Database version 2.40
§170.207(a)(3) International Health Terminology Standards Development Organisation (IHTSDO) SNOMED CT® International Release July 2012 and US Extension to SNOMED CT® March 2012 Release

Test Tool and Test Data: NIST Electronic Laboratory Reporting (ELR) Test Suite
Normative Test Process Document

Criteria ¶	System Under Test	Test Lab Verification
(ii)	The reportable laboratory tests and values/results used in the messages created in (f)(3)(i), use, at a minimum, the versions of the standards specified in the named §170.207(a)(3) SNOMED CT® standard and the named §170.207(c)(2) LOINC® standard.	Using the **Normative Test Description section of the Normative Test Process Document,** the tester uses the Test Tool Validation Report from (f)(3)(i) test cases and visual inspection of both the Test Tool Validation Report and the Health IT configuration file to verify laboratory tests and values/results are represented using the named §170.207(a)(3) SNOMED CT® standard and the named §170.207(c)(2) LOINC® standard.

Document History

Version Number	Description of Change	Date
1.0	Final Test Procedure	January 20, 2016

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