

## Test Procedure for §170.302 (f) Smoking Status

This document describes the draft test procedure for evaluating conformance of complete EHRs or EHR modules to the certification criteria defined in 45 CFR Part 170 Subpart C of the Interim Final Rule (IFR) as published in the Federal Register on January 13, 2010. The document is organized by test procedure and derived test requirements with traceability to the normative certification criteria as described in the Test Procedure Overview document located at <http://healthcare.nist.gov>. These test procedures will be updated to reflect the certification criteria defined in the ONC Final Rule.

### CERTIFICATION CRITERIA

§170.302 (f) Smoking Status. Enable a user to electronically record, modify, and retrieve the smoking status of a patient. Smoking status types must include: current smoker, former smoker, or never smoked.

### INFORMATIVE TEST DESCRIPTION

This section provides an informative description of how the test procedure is organized and conducted. It is not intended to provide normative statements of the certification requirements.

This test evaluates the capability for a Complete EHR or combination of EHR Modules to enable a user to electronically record, modify, and retrieve the smoking status of a patient. Smoking status types must include: current smoker, former smoker, or never smoked.

This test procedure is organized into three sections:

- Record - evaluates the capability to enter patient smoking status data
  - The Tester enters the NIST-supplied patient smoking status data
- Modify – evaluates the capability to edit patient smoking status data that have been previously entered into the EHR
  - The Tester displays the patient smoking status data entered during the Record Patient Smoking Status test
  - The Tester edits the previously entered patient smoking status data using NIST-supplied patient smoking status data
- Retrieve – evaluates the capability to display and view the patient smoking status data which have been previously entered into the EHR during the test
  - The Tester displays the patient smoking status data entered during the test
  - The Tester validates that the displayed patient smoking status data are accurate and complete

### REFERENCED STANDARDS

None

## NORMATIVE TEST PROCEDURES

### Derived Test Requirement(s)

- DTR170.302.f - 1: Electronically record patient smoking status
- DTR170.302.f – 2: Electronically modify patient smoking status
- DTR170.302.f – 3: Electronically retrieve patient smoking status

### DTR170.302.f – 1: Electronically Record Patient Smoking Status

#### Required Vendor Information

- VE170.302.f – 1.01: Vendor shall identify a patient with an existing record in the EHR to be used for this test
- VE170.302.f – 1.02: Vendor shall identify the EHR function(s) that are available to: 1) select the patient, 2) enter patient smoking status, 3) modify (correct/update) patient smoking status, 4) and retrieve patient smoking status

#### Required Test Procedure:

- TE170.302.f – 1.01: Tester shall select patient smoking status data from NIST-supplied test data sets
- TE170.302.f – 1.02: Using the EHR function(s) identified by the Vendor, the Tester shall select the patient's existing record and enter the patient smoking status from the test data sets
- TE170.302.f – 1.03: Using the NIST-supplied Inspection Test Guide, the Tester shall verify that the patient smoking status test data have been entered correctly and without omission

#### Inspection Test Guide:

- IN170.302.f – 1.01: Tester shall verify that the patient smoking status test data are entered correctly and without omission
- IN170.302.f – 1.02: Tester shall verify that the patient smoking status data are stored in the patient's record

### DTR170.302.f – 2: Electronically Modify Patient Smoking Status

#### Required Vendor Information

- No additional information required

#### Required Test Procedure:

- TE170.302.f – 2.01: Tester shall select patient smoking status test data from NIST-supplied test data sets
- TE170.302.f – 2.02: Using the EHR function(s) identified by the Vendor, the Tester shall select the patient's existing record, shall display the patient smoking status data entered during the Record Patient Smoking Status test, and shall edit (correct/update) the previously entered patient smoking status data
- TE170.302.f – 2.03: Using the EHR function(s) identified by the Vendor, the Tester shall select the patient's existing record, shall display the patient smoking status data modified

during the Modify Patient Smoking Status test, and shall edit (correct/update) the previously entered patient smoking status data

TE170.302.f – 2.04: Using the NIST-supplied Inspection Test Guide, the Tester shall verify that the patient smoking status data entered in the Modify Patient Smoking Status test have been entered correctly and without omission

Inspection Test Guide

IN170.302.f – 2.01: Tester shall verify that the patient smoking status data entered during the Record Patient Smoking Status test can be accessed and edited (corrected/updated)

IN170.302.f – 2.02: Tester shall verify that the all of the required patient smoking status data (current smoker, former smoker, never smoked) are entered

IN170.302.f – 2.03: Tester shall verify that the modified patient smoking status data are stored in the patient's record

**DTR170.302.f – 3: Electronically Retrieve Patient Smoking Status**

Required Vendor Information

- No additional information required

Required Test Procedure:

TE170.302.f – 3.01: Using the EHR function(s) identified by the Vendor, the Tester shall select the patient's existing record and shall display the patient smoking status data entered during the Record and Modify Patient Smoking Status tests

TE170.302.f – 3.02: Using the NIST-supplied Inspection Test Guide, the Tester shall verify that the patient smoking status test data display correctly and without omission

Inspection Test Guide

IN170.302.f – 3.01: Tester shall verify that the current patient smoking status data entered in the Record Patient Smoking Status test and edited in the Modify Patient Smoking Status test display correctly and without omission

**EXAMPLE TEST DATA**

Record Patient Smoking Status

Smoking Status Type: Never Smoked

Modify Patient Smoking Status

Smoking Status Type: Current Smoker

Smoking Status Type: Former Smoker

Retrieve Patient Smoking Status

Smoking Status Type: Former Smoker

## CONFORMANCE TEST TOOLS

None