

# Test Procedure for §170.302 (d) Maintain active medication allergy list

## Certification Criteria

§170.302 (d) Maintain active medication allergy list. Enable a user to electronically record, modify, and retrieve a patient's active medication allergy list as well as medication allergy history for longitudinal care.

## Informative Test Description

This test evaluates the capability for a Complete EHR or combination of EHR Modules to enable a user to electronically record, modify, and retrieve a patient's active medication allergy list as well as maintain a medication allergy list over multiple visits with the same provider. This test procedure is organized into three sections:

Record - evaluates the capability to enter patient active medication allergy data into the EHR to create the patient active medication allergy list

- The Tester enters the NIST-supplied active medication allergies

Modify – evaluates the capability to edit patient medication allergy data that have been previously entered into the EHR

- The Tester displays the patient active medication allergy list data entered during the Record Patient Active Medication Allergy test
- The Tester edits the previously entered active medication allergy data using NIST-supplied medication allergy data

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### Informative Test Description (cont)

Retrieve – evaluates the capability to display and view the patient medication allergy list data that have been previously entered into the EHR, including the capability to display the patient medication allergy list as recorded during multiple visits

- The Tester displays the patient active medication allergy data entered during the test
- The Tester displays the patient medication allergy list as recorded during multiple visits
- The Tester validates that the displayed medication allergy list data are accurate and complete
- The Tester displays the patient medication allergy history
- The Tester validates that the patient medication allergy history includes the medication allergies that were modified during the Modify test.

### Referenced Standards

None

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## Normative Test Procedure

### Derived Test Requirement:

DTR170.302.d – 1: Electronically Record Patient Active Medication Allergy List

### Required Vendor Information:

- VE170.302.d – 1.01: Vendor shall identify a patient with an existing record in the EHR containing patient medication allergies entered during multiple prior visits to be used for this test
- VE170.302.d – 1.02: Vendor shall identify the EHR function(s) that are available to: 1) select the patient, 2) enter patient medication allergies, 3) modify (correct/update) patient medication allergies, 4) retrieve patient active medication allergy list, and 5) retrieve patient medication allergy history

### Required Test Procedure:

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

### Inspection Test Guide:

- IN170.302.d – 1.01: Tester shall verify that the patient active medication allergy list test data are entered correctly and without omission
- IN170.302.d – 1.02: Tester shall verify that the patient medication allergy list data are stored in the patient's record

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## Derived Test Requirement:

DTR170.302.d – 2: Electronically Modify Patient Active Medication Allergy List

## Required Vendor Information

No additional information required

## Required Test Procedure:

- TE170.302.d – 2.01: Tester shall select patient medication allergy test data from NIST-supplied test data sets
- TE170.302.d – 2.02: Using the EHR function(s) identified by the Vendor, the Tester shall select the patient's existing record, shall display the patient active medication allergy list data entered during the Record Patient Medication Allergy test, and shall edit (correct/update) the previously entered patient medication allergy list data
- TE170.302.d – 2.03: Using the NIST-supplied Inspection Test Guide, the Tester shall verify that the patient medication allergy list data entered in the Modify Patient Active Medication Allergy test have been entered correctly and without omission

## Inspection Test Guide:

- IN170.302.d – 2.01: Tester shall verify that the patient medication allergy data entered during the Record Patient Medication Allergy test can be accessed and edited (corrected/updated)
- IN170.302.d – 2.02: Tester shall verify that the modified medication allergy list data are stored in the patient's record

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## Derived Test Requirement

DTR170.302.d – 3: Electronically Retrieve Patient Active Medication Allergy List and Medication Allergy History

### Required Vendor Information:

No additional information required

### Required Test Procedure:

- TE170.302.d – 3.01: Using the EHR function(s) identified by the Vendor, the Tester shall select the patient's existing record and shall display and view the patient active medication allergy list data entered during the Record and Modify Patient Active Medication Allergy tests
- TE170.302.d – 3.02: Using the EHR function(s) identified by the Vendor, the Tester shall select the patient's existing record and shall display and view the patient medication allergy history from prior visits
- TE170.302.d – 3.03: Using the NIST-supplied Inspection Test Guide, the Tester shall verify that the patient active medication allergy list test data and the patient medication allergy history display correctly and without omission

### Inspection Test Guide:

- IN170.302.d – 3.01: Tester shall verify that the patient active medication allergy list data entered in the Record Patient Active Medication Allergy test and edited in Modify Patient Active Medication Allergy test display correctly and without omission
- IN170.302.d – 3.02: Tester shall verify that patient medication allergy history data from prior visits display correctly and without omission

## Test Procedure for §170.302 (d) Maintain active medication allergy list

### Example Test Data

#### Record Active Medication Allergies

Medication	Allergy Reaction	Status	Date Identified
Codeine	Hives	Active	6/27/96
Ampicillin	Diarrhea, nausea, vomiting	Active	3/15/94
Sulfonamides	Hives, photosensitivity	Active	8/24/05
Ibuprophen	Hives, respiratory distress	Active	4/4/07

#### Modify Active Medication Allergies

Modify the Date Identified for Ampicillin allergy.

Modify the Status of Sulfonamides to Inactive

Medication	Allergy Reaction	Status	Date Identified
Ampicillin	Diarrhea, nausea, vomiting	Active	3/15/84
Sulfonamides	Hives, photosensitivity	Inactive	8/24/05

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### Example Test Data

#### Retrieve Active Medication Allergies

Active Medication Allergies only

Medication	Allergy Reaction	Status	Date Identified
Codeine	Hives	Active	6/27/96
Ampicillin	Diarrhea, nausea, vomiting	Active	3/15/84
Ibuprophen	Hives, respiratory distress	Active	4/4/07

#### Retrieve Medication Allergy History

List(s) of Active and Inactive Medication Allergies

Medication	Allergy Reaction	Status	Date Identified
Codeine	Hives	Active	6/27/96
Ampicillin	Diarrhea, nausea, vomiting	Active	3/15/84
Sulfonamides	Hives, photosensitivity	Inactive	8/24/05
Ibuprophen	Hives, respiratory distress	Active	4/4/07

### Conformance Test Tools

None

*Test procedure based on HHS/ONC Interim Final Rule (IFR)  
published in the Federal Register on January 13, 2010.*

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