

170.302.c: Maintain up-to-date problem list (Inpatient)

<b>Requirement</b>	<b>Requirement Satisfied (Yes/No)</b>	<b>Vendor Response/Submission/Comments</b>
<b>§170.302.c: Maintain up-to-date problem list (Inpatient)</b>		
Provide a unique patient record to be used for the testing of this module only. <ol style="list-style-type: none"> <li>1) The record must contain patient problems entered over the duration of a hospital visit.</li> <li>2) The record must contain at least three entries.</li> </ol>	<b>Yes</b>	See below
Select Test Data from: <ul style="list-style-type: none"> <li>- TD170.302.c – 4</li> <li>- TD170.302.c – 5</li> <li>- TD170.302.c – 6a</li> <li>- TD170.302.c – 6b</li> </ul>	<b>Yes</b>	See below
Provide identification of which vocabulary standard is implemented in the EHR for recording patient problems (ICD-9 or SNOMED CT).	<b>Yes</b>	ICD-9
Provide instructions on how to use the EHR functions to: <ol style="list-style-type: none"> <li>1) Select the patient.</li> <li>2) Enter patient problems.</li> <li>3) Modify patient problems.</li> <li>4) Retrieve patient problem list.</li> <li>5) Retrieve patient problem history.</li> </ol>		See below

## 170.302.c: Maintain up-to-date problem list (Inpatient)

1) Select patient problems data from NIST-supplied test data set TD170.302.c – 4

ICD-9:

Congestive Heart Failure, ICD-9 Code: 428.0, Status: Vendor-supplied (e.g. Active), Date

Diagnosed: Vendor-supplied (e.g. May 22, 2010)

Acute Myocardial Infarction, ICD-9 Code: 410.90, Status: Vendor-supplied (e.g. Active),

Date Diagnosed: Vendor-supplied (e.g. June 24, 2010)

Chronic Obstructive Pulmonary Disease, ICD-9 Code: 496.0, Status: Vendor-supplied

(e.g. Active), Date Diagnosed: Vendor-supplied (e.g. April 4, 2010)

Essential Hypertension, ICD-9 Code: 401.9, Status: Vendor-supplied (e.g. Active), Date

Diagnosed: Vendor-supplied (e.g. March 30, 2010)

## 2) Enter patient problems.

The screenshot displays the VistA CPRS interface for patient RODGERS, RONALD. The patient's information includes birth date (Feb 28, 1981) and age (30y). The active problem list shows one entry: Chronic Obstructive Pulmonary Disease (ICD-9 code A), with onset date May 01, 2000, last update May 29, 2011, and provider King, Matthew Michael. The interface includes a 'New problem' button and a 'Problems' tab, both highlighted with red circles. The Windows taskbar at the bottom shows the date and time as 11:55 AM on 6/13/2011.

Stat.	Description	Onset Date	Last Upda...	Provider	Service
A	Chronic Obstructive Pulmonary Disease	May 01 2000	May 29 2011	King, Matthew Mich	Medicine

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**Vista CPRS in use by: King,Matthew Michael (openforum.opensourcevista.net)**

File Edit View Action Tools Help

**RODGERS,RONALD**  
Feb 28,1981 (30y)

**1 EAST 1B101-B**  
Provider: KING,MATTHEW MICHAEL  
Attending: King,Matthew Michael

Primary Care Team Unassigned  
Attending: King,Matthew Michael

Flag VistAWeb Remote Data No Postings

Problem categories: None defined - use OTHER

Active Problems (2 of 2)

Stat	Description	Onset Date	Last Upda	Provider	Service
A	Congestive Heart Failure	May 01 2011	May 29 2011	King,Matthew Mich	Medicine
A	Acute myocardial infarction, unspecified site, episode of care unspecified	May 29 2011	May 29 2011	King,Matthew Mich	Medicine

**Problem List Lexicon Search**

Enter Term to Search

496.0 Search

Cancel OK

Cover Sheet Problems Meds Orders Notes Consults D/C Summ Labs Reports

EN 3:35 PM 5/29/2011

**Vista CPRS in use by: King,Matthew Michael (openforum.opensourcevista.net)**

File Edit View Action Tools Help

**RODGERS,RONALD**  
Feb 28,1981 (30y)

**1 EAST 1B101-B**  
Provider: KING,MATTHEW MICHAEL  
Attending: King,Matthew Michael

Primary Care Team Unassigned  
Attending: King,Matthew Michael

Flag VistAWeb Remote Data No Postings

View options: Active, Inactive, Both active and inactive, Removed

Active Problems (4 of 4)

Stat	Description	Onset Date	Last Upda	Provider	Service
A	Congestive Heart Failure	May 01 2011	May 29 2011	King,Matthew Mich	Medicine
A	Acute myocardial infarction, unspecified site, episode of care unspecified	May 29 2011	May 29 2011	King,Matthew Mich	Medicine
A	Chronic Obstructive Pulmonary Disease	May 01 2000	May 29 2011	King,Matthew Mich	Medicine
A	Hypertension	2000	May 29 2011	King,Matthew Mich	Medicine

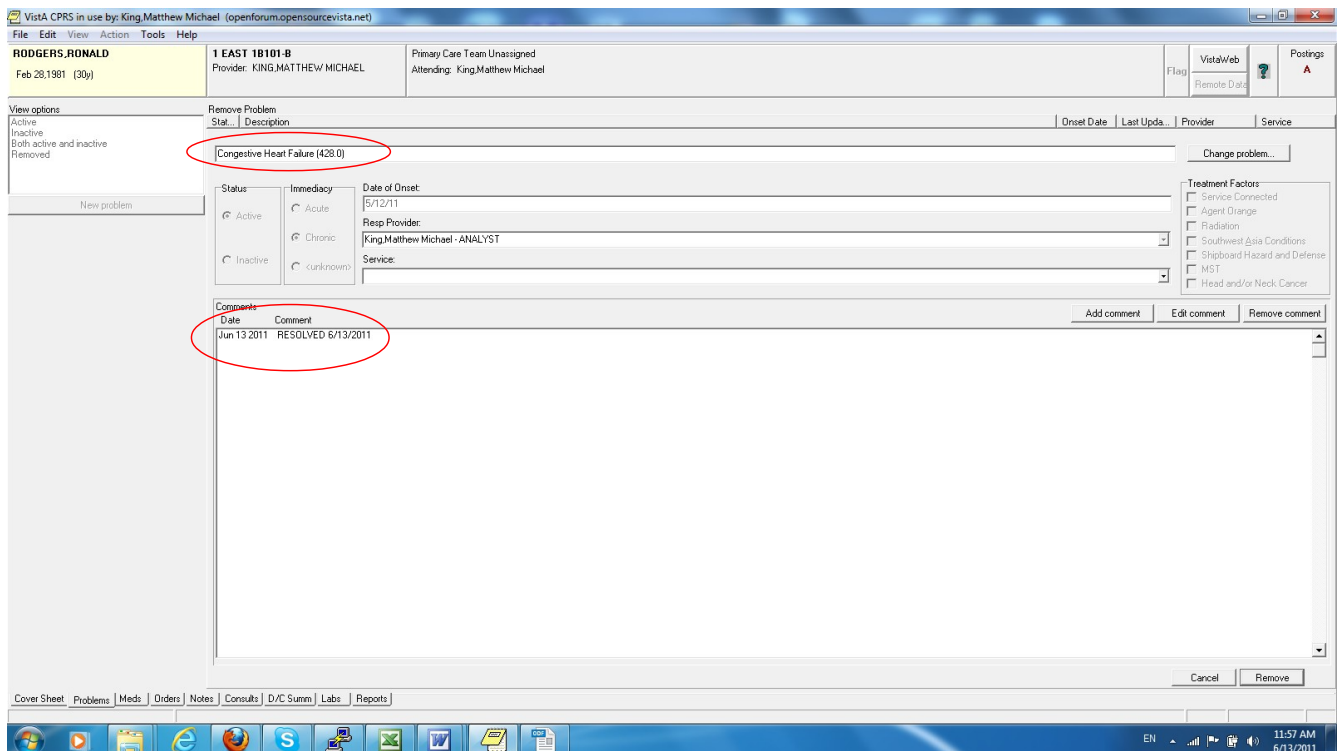
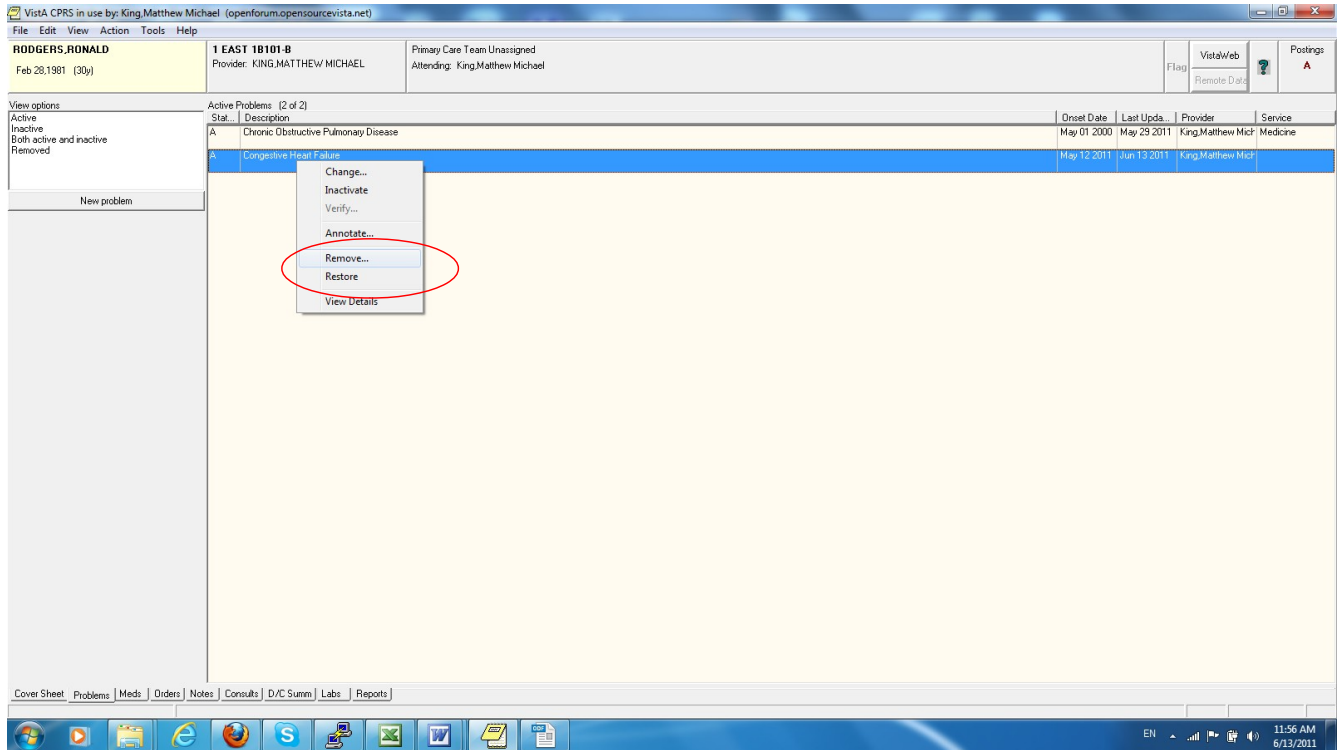
Cover Sheet Problems Meds Orders Notes Consults D/C Summ Labs Reports

EN 3:38 PM 5/29/2011

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### 3) Modify patient problems.

Modify the Status of Congestive Heart Failure from Vendor-supplied (e.g. Active) to Vendor-supplied (e.g. Resolved), Date Modified: Vendor-supplied (e.g. August 29, 2010)



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Modify the Status of Acute Myocardial Infarction from Vendor-supplied (e.g. Active) to Vendor-supplied (e.g. Inactive), Date Modified: Vendor-supplied (e.g. August 29, 2010)

The screenshot shows the VistA CPRS interface for patient RODGERS, RONALD. The 'Active Problems' list contains two items:

Stat.	Description	Onset Date	Last Upda.	Provider	Service
A	Chronic Obstructive Pulmonary Disease	May 01 2000	May 29 2011	King, Matthew Mich	Medicine
A	Acute myocardial infarction, unspecified site, episode of care unspecified	May 29 2011	Jun 13 2011	King, Matthew Mich	Medicine

A context menu is open over the second problem, with the 'Inactivate' option highlighted in red. Other menu options include Change..., Verify..., Annotate..., Remove..., Restore, and View Details.

The screenshot shows the VistA CPRS interface for patient RODGERS, RONALD. The 'Active and Inactive Problems' list now contains three items:

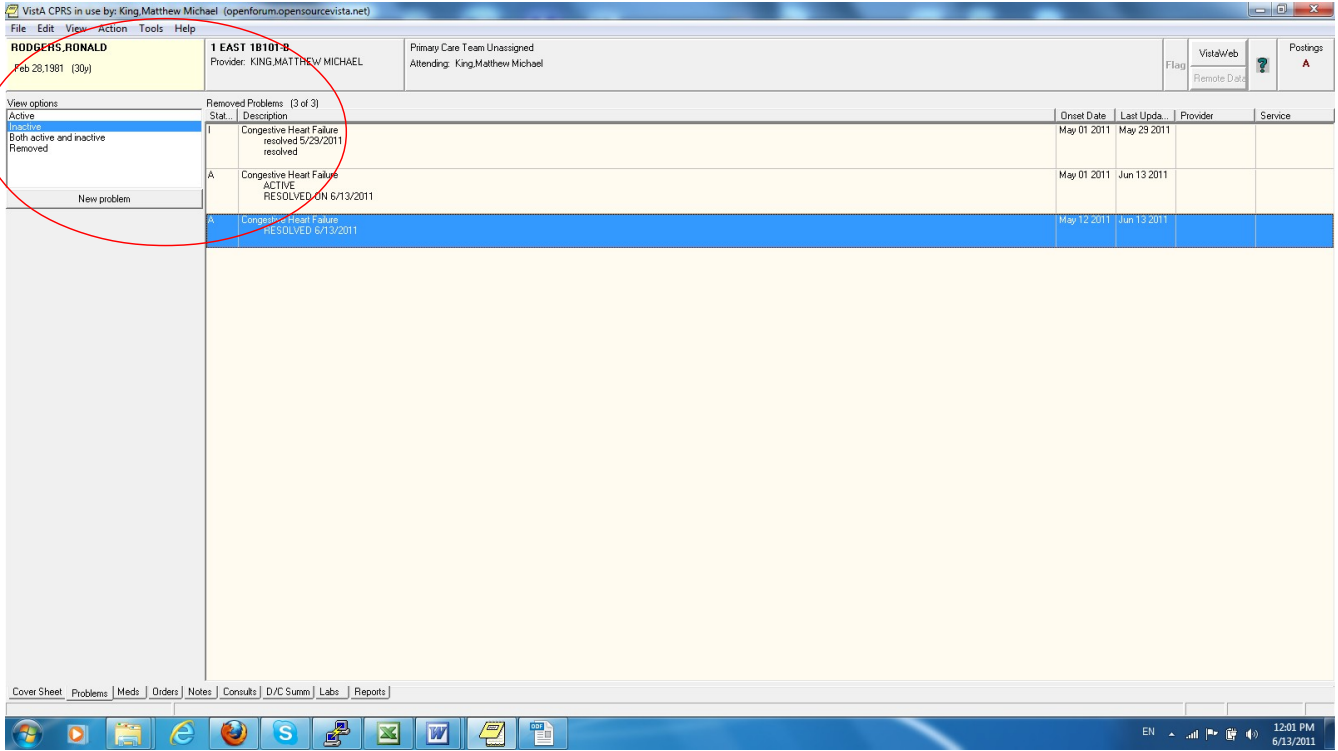
Stat.	Description	Onset Date	Last Upda.	Provider	Service
A	Chronic Obstructive Pulmonary Disease	May 01 2000	May 29 2011	King, Matthew Mich	Medicine
I	Acute myocardial infarction, unspecified site, episode of care unspecified	May 29 2011	Jun 13 2011	King, Matthew Mich	Medicine
I	Hypertension	2000	Jun 13 2011	King, Matthew Mich	Medicine

The 'Acute myocardial infarction' problem is now listed with status 'I' (Inactive). The 'Active and Inactive Problems' list view is circled in red.

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**4) The tester will save the modified data and recall the patient record**

Using the NIST-supplied Test Data set in TD170.302.c – 5, the tester will verify that the modified patient problem list data and correct values from the standard terminology are correctly stored in the patient's record



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### 5) Retrieve patient problem history.

To display the problems use the "View" menu:

The screenshot shows the VistA CPRS interface for patient RODGERS. The 'View' menu is open, and the 'Show Comments' option is selected and circled in red. The interface includes a menu bar (File, Edit, View, Action, Tools, Help), a patient information header (RODGERS, Feb 28, 190, 01-8, Primary Care Team Unassigned, Attending: King, Matthew Michael), and a table with columns for Onset Date, Last Update, Provider, and Service. The table contains one row with dates May 01 2011 and May 29 2011. The bottom of the screen shows a Windows taskbar with various application icons and a system tray displaying the time 3:48 PM on 5/29/2011.

Onset Date	Last Update	Provider	Service
May 01 2011	May 29 2011		

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You can filter the views by Active Inactive (both) or resolved:

The screenshot shows the VistA CPRS interface for patient **RODDERS, RONALD** (DOB: Feb 26, 1981, 30y). The patient is located at **1 EAST 18101-B**, with **Primary Care Team Unassigned** and **Attending: King, Matthew Michael**. The interface displays a table of **Active and Inactive Problems (3 of 3)**.

Stat	Description	Onset Date	Last Upda...	Provider	Service
I	Acute myocardial infarction, unspecified site, episode of care unspecified	May 29 2011	May 29 2011	King, Matthew Mich	Medicine
A	Chronic Obstructive Pulmonary Disease	May 01 2000	May 29 2011	King, Matthew Mich	Medicine
A	Hypertension	2000	May 29 2011	King, Matthew Mich	Medicine

The interface includes a sidebar with **View options** (Active, Inactive, Both active and inactive, Removed) and a **New problem** button. The bottom navigation bar includes **Cover Sheet**, **Problems**, **Medis**, **Orders**, **Notes**, **Consults**, **D/C Summ**, **Labs**, and **Reports**. The system tray shows the time as 3:50 PM on 5/29/2011.