Clinical Reminders

Patch PXRM*2*11
National Reminder and Dialog Updates

INSTALLATION & SETUP GUIDE

October 2008

Health Provider Systems
Department of Veterans Affairs
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Introduction

Patch PXRM*2.0*11 includes the following modifications to the Clinical Reminders package:

- Updates eleven reminder definitions (and their dialogs if there is one attached), based on changes required by the Office of Patient Care Services and problems reported in Remedy tickets.
- Installs four new reminders.
- Installs 11 new or modified service-related computed findings.
- Updates URLs in six reminders.
- Modifies Location List exclusion functionality
- Modifies Reminder Test output
- Corrects several problems reported in Remedy tickets:
  229723 Nat'l reminder component "PXRM AUDC RESULT has errors
  233994 Discrepancy between VA-Iraq/Afghan Post Deploy reminder dialog and clinical maintenance display
  242238 Duplicate text in AIMS test
  239704 Display inconsistent for VA-IRAQ&AFGHANISTAN POST DEPLOYMENT
  234380 National OIF reminder is producing conflicting information in clinical maintenance vs the reminder dialog concerning section 4
  238209 Functionality of I/A and TBI reminders

See the Setup section of this manual for instructions about mapping terms and dialogs.

Web Sites

<table>
<thead>
<tr>
<th>Site</th>
<th>URL</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>National Clinical Reminders site</td>
<td><a href="http://vista.med.va.gov/reminders">http://vista.med.va.gov/reminders</a></td>
<td>Contains manuals, PowerPoint presentations, and other information about Clinical Reminders</td>
</tr>
<tr>
<td>VA Mental Health Home</td>
<td><a href="http://vaww.mentalhealth.va.gov/">http://vaww.mentalhealth.va.gov/</a></td>
<td>Contains items of interest for all VA mental health clinicians</td>
</tr>
</tbody>
</table>
Pre-Installation

This manual describes how to install and set up Clinical Reminders patch PXRM*2.0*11.

Required Software

<table>
<thead>
<tr>
<th>Package/Patch</th>
<th>Namespace</th>
<th>Version</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Clinical Reminders</td>
<td>PXRM</td>
<td>2.0</td>
<td>Fully patched</td>
</tr>
<tr>
<td>Health Summary</td>
<td>GMTS</td>
<td>2.7</td>
<td>Fully patched</td>
</tr>
<tr>
<td>HL7</td>
<td>HL</td>
<td>1.6</td>
<td>Fully patched</td>
</tr>
<tr>
<td>Kernel</td>
<td>XU</td>
<td>8.0</td>
<td>Fully patched</td>
</tr>
<tr>
<td>MailMan</td>
<td>XM</td>
<td>7.1</td>
<td>Fully patched</td>
</tr>
<tr>
<td>Mental Health</td>
<td>YS</td>
<td>5.01</td>
<td></td>
</tr>
<tr>
<td>Pharmacy Data Management</td>
<td>PSS</td>
<td>1.0</td>
<td></td>
</tr>
<tr>
<td>Outpatient Pharmacy</td>
<td>PSO</td>
<td>7.0</td>
<td></td>
</tr>
<tr>
<td>VA FileMan</td>
<td>DI</td>
<td>22</td>
<td>Fully patched</td>
</tr>
</tbody>
</table>

Estimated Installation Time

Setup before installation: Approximately 30 minutes
Installation: About 5-10 minutes
Setup after installation by the Reminder Manager or CAC to address local implementation: Approximately one hour (depending partly on the experience level of the manager or CAC)

Pre-Installation Steps

1. Do a reminder definition inquiry on the following reminders and save for post-installation comparisons:

   VA-ALCOHOL AUDIT-C POSITIVE F/U
   VA-ALCOHOL USE SCREEN (AUDIT-C)
   VA-BL DEPRESSION SCREEN
   VA-BL PTSD SCREEN
   VA-BL OEF/OIF FEVER
   VA-BL OEF/OIF GI SX
   VA-BL OEF/OIF SKIN SX
   VA-DEPRESSION SCREENING
   VA-IRAQ & AFGHAN POST-DEPLOY SCREEN
   VA-MHV CERVICAL CANCER SCREEN
VA-MHV COLORECTAL CANCER SCREEN
VA-MHV DIABETES FOOT EXAM
VA-MHV DIABETES RETINAL EXAM
VA-MHV HYPERTENSION
VA-MHV INFLUENZA VACCINE
VA-MHV MAMMOGRAM SCREENING
VA-MHV PNEUMOVAX
VA-PTSD SCREENING
VA-TBI SCREENING

2. Do a reminder term inquiry and save for post-installation comparisons

The following terms have changed and may need to be remapped, if previously mapped locally. The ones in bold will almost definitely need remapping. Please use the option, “Inquire about a reminder term” on these terms for post-installation comparison and remapping.

VA-COGNITIVE IMPAIRMENT
VA-DEPRESSION SCREEN OEF/OIF
VA-LDL
VA-MHV BARIUM ENEMA
VA-MHV COLONOSCOPY
VA-MHV DIABETIC FOOT EXAM COMPLETE
VA-MHV DIABETIC FOOT EXAM INSPECTION
VA-MHV DIABETIC FOOT EXAM MONOFILAMENT
VA-MHV DIABETIC FOOT EXAM PULSES
VA-MHV HBA1C <8.0
VA-MHV HBA1C >7.9
VA-MHV HBA1C ALL RESULTS
VA-MHV HDL – lab test and outside lab test
VA-MHV INFLUENZA IMMUNIZATION
VA-MHV LIPID PANEL ORDERABLE ITEMS
VA-MHV OCCULT BLOOD PANEL
VA-MHV OCCULT BLOOD SINGLE TEST
VA-MHV OUTSIDE LDL
VA-MHV OUTSIDE LDL>99
VA-MHV PNEUMOCOCCAL IMMUNIZATION
VA-MHV SIGMOIDOSCOPY
VA-MHV TOTAL CHOLESTEROL
VA-MHV TRIGLYCERIDES
VA-PTSD SCREEN
VA-WH Hysterectomy W/CERVIX REMOVED
VA-WH MAMMOGRAM ORDER
VA-WH MAMMOGRAM SCREEN DEFER
VA-WH MAMMOGRAM SCREEN DONE
VA-WH MAMMOGRAM SCREEN NOT INDICATED
VA-WH PAP SMEAR DONE
VA-WH PAP SMEAR OBTAINED
VA-WH PAP SMEAR ORDER HEALTH FACTOR
VA-WH PAP SMEAR SCREEN NOT INDICATED

3. Create an Audit-C TIU/HS Object for the VA-Alcohol Use Screen Reminder (see instructions in Appendix B).

4. The reminder dialog element VA-PDIQ POLYTRAUMA CONSULT, which is used to order a TBI consult, is overwritten in the install. You will need to re-enter the finding item for this element using the menu or quick order that you use to order a TBI consult.
Installation

This build can be installed with users on the system, but it should be done during non-peak hours.

_The installation needs to be done by a person with DUZ(0) set to "@."_

1. **Retrieve the PXRM*2.0*11 build**

   Use ftp to access the build – the name of the host file is PXRM_2_0_11.KID – from one of the following locations:

<table>
<thead>
<tr>
<th>Location</th>
<th>Host File Address</th>
</tr>
</thead>
</table>

2. **Install the build first in a training or test account.**

   Installing in a non-production environment will give you time to get familiar with new functionality and complete the setup for reminders and dialogs prior to installing the software in production.

3. **Load the distribution.**

   In programmer mode type, D ^XUP, select the Kernel Installation & Distribution System menu (XPD MAIN), then the Installation option, and then the option LOAD a Distribution. Enter your directory name and PXRM_2_0_11.KID at the Host File prompt.

   **Example**

   ```
   Select Installation Option: LOAD a Distribution
   Enter a Host File: PXRM_2_0_11.KID
   KIDS Distribution saved on June 14, 2008@11:53:53
   Comment: PXRM*2.0*11
   ```

   From the Installation menu, you may elect to use the following options:

   a. **Backup a Transport Global**

      This option will create a backup message of any routines exported with the patch. It will NOT back up any other changes such as DDs or templates.

   b. **Compare Transport Global to Current System**

      This option will allow you to view all changes that will be made when the patch is installed. It compares all components of the patch (routines, DDs, templates, etc.).

   c. **Verify Checksums in Transport Global**
This option will allow you to ensure the integrity of the routines that are in the transport global. If there are any discrepancies, do not run the Install Package(s) option. Instead, run the Unload a Distribution option to remove the Transport Global from your system. Retrieve the file again from the anonymous directory (in case there was corruption in FTPing) and Load the Distribution again. If the problem still exists, log a Remedy ticket and/or call the national Help Desk (1-888-596-HELP) to report the problem.

d. **Print Transport Global (optional)**
   This option will allow you to view the components of the KIDS build.

4. **Install the build.**
   From the Installation menu on the Kernel Installation and Distribution System (KIDS) menu, run the option Install Package(s). Select the build PXRM*2.0*11 and proceed with the install. If you have problems with the installation, log a Remedy ticket and/or call the National Help Desk to report the problem.

   Select Installation & Distribution System Option: **Installation**
   Select Installation Option: **INSTALL PACKAGE(S)**
   Select INSTALL NAME: **PXRM*2.0*11**

   Answer "NO" to the following prompt:

   **Want KIDS to INHIBIT LOGONs during install? NO// NO**

   **NOTE: DO NOT QUEUE THE INSTALLATION**, because this installation may ask questions requiring responses and queuing will stop the installation. The most common are replacements for finding items or quick orders during the installation of Reminder Exchange file entries.

   The reminder dialog element VA-PDIQ POLYTRAUMA CONSULT, which is used to order a TBI consult, is overwritten in the install. You will need to re-enter the finding item for this element using the menu, order dialog, or quick order that you use to order a TBI consult.
Installation Example
See Appendix A.

Setting up programmer environment
Terminal Type set to: C-VT220
Select OPTION NAME: XPD MAIN Kernel Installation & Distribution System menu
Select Kernel Installation & Distribution System Option: Installation
Select Installation Option: Install Package(s) [XPD INSTALL BUILD]
Select INSTALL NAME: PXRM*2.0*11

5. Install File Print (optional)
Use the KIDS Install File Print option to print out the results of the installation process.

Select Utilities Option: Install File Print
Select INSTALL NAME: PXRM*2.0*11

6. Build File Print (optional)
Use the KIDS Build File Print option to print out the build components.

Select Utilities Option: Build File Print
Select BUILD NAME: PXRM*2.0*11 CLINICAL REMINDERS
DEVICE: HOME//

7. Post-installation routine
The installation will place the following exchange file entries in the Reminder Exchange file #811.8:

PATCH 11 ITEMS
VA-ALCOHOL AUDIT-C POSITIVE F/U
VA-ALCOHOL USE SCREEN (AUDIT-C
VA-BL DEPRESSION SCREEN
VA-BL PTSD SCREEN
VA-BL OEF/OIF EMBEDDED FRAGMENTS
VA-BL OEF/OIF FEVER
VA-BL OEF/OIF GI SX
VA-BL OEF/OIF SKIN SX
VA-CV ELIG W/HF FOR NO SERVICE
VA-CV INELG W/HF FOR SERVICE
VA-DEPRESSION SCREENING
VA-IRAQ & AFGHAN POST-DEPLOY SCREEN
VA-MHV CERVICAL CANCER SCREEN
VA-MHV COLORECTAL CANCER SCREEN
VA-MHV DIABETES FOOT EXAM
VA-MHV DIABETES RETINAL EXAM
VA-MHV HYPERTENSION
VA-MHV INFLUENZA VACCINE
VA-MHV MAMMOGRAM SCREENING
VA-MHV PNEUMOVAX
VA-OEF/OIF MONITOR REPORTING
VA-PTSD SCREENING
VA-TBI SCREENING

The post-init will install all the components of these Exchange file entries on your system. After the installation has finished, if you discover that any of these components weren’t installed correctly, you can use the Reminder Exchange option on the Reminders Manager Menu to install them.

8. Deletion of init routines
After everything has been successfully installed you may delete the following init routines: PXRMP11I, PXRMP11E
Setup and Maintenance

Overview

PXRM*2.0*11 includes the following additions and modifications:

- New and modified national reminder definitions and dialogs
  - New reminders to help clerks reconcile HEC data and self-reported VA-IRAQ/AFGHAN SERVICE health factor
  - New national reminder for the monitor
- New and modified computed findings
- Modified Location List exclusion functionality
- Modified Reminder Test output
- Fixes to My HealtheVet reminders function finding pointers

New Reminder Definitions

<table>
<thead>
<tr>
<th>VA-BL OEF/OIF EMBEDDED FRAGMENTS</th>
<th>New reminder for branching logic in the new 4th question in the last section of the OEF/OIF reminder. Used for branching logic to indicate in the reminder dialog that an item is already completed or not needed.</th>
</tr>
</thead>
<tbody>
<tr>
<td>VA-CV ELIG W/HF FOR NO SERVICE VA-CV INELG W/HF FOR SERVICE</td>
<td>These two reminders are designed to aid sites in identifying patients whose combat veteran eligibility data and data collected from the OEF/OIF Screening reminder are not in agreement. Reminder patient list functionality can be used to identify patients needing reconciliation</td>
</tr>
<tr>
<td>VA-OEF/OIF MONITOR REPORTING</td>
<td>New reminder for reporting this monitor. Excludes non-combat vets from the denominator; requires two visits after discharge separation.</td>
</tr>
</tbody>
</table>

Modified national reminder definitions

- VA-ALCOHOL AUDIT-C POSITIVE F/U EVAL
- VA-ALCOHOL USE SCREEN (AUDIT-C)
- VA-BL OEF/OIF FEVER
- VA-BL OEF/OIF GI SX
- VA-BL OEF/OIF SKIN SX
New and modified Service-related Computed Findings

- VA-AGENT ORANGE EXPOSURE
- VA-COMBAT SERVICE
- VA-COMBAT VET ELIGIBILITY
- VA-LAST SERVICE SEPARATION DATE (modified)
- VA-OEF SERVICE
- VA-OIF SERVICE
- VA-POW
- VA-PURPLE HEART
- VA-SERVICE BRANCH
- VA-UNKNOWN OEF/OIF SERVICE
- VA-VETERAN (modified)

Modified Location List exclusion functionality

- Exclusion location list can be defined once
- Any location lists can reference the pre-defined Exclusion location list

Modified My HealtheVet Reminders

- Updated URLs:
  VA-MHV CERVICAL CANCER SCREEN
  VA-MHV DIABETES FOOT EXAM
  VA-MHV DIABETES RETINAL EXAM
  VA-MHV HYPERTENSION
  VA-MHV INFLUENZA VACCINE
  VA-MHV MAMMOGRAM SCREENING

- VA-MHV COLORECTAL CANCER SCREEN
  Added reminder term for barium enema

- VA-MHV DIABETES RETINAL EXAM
  Updated to use only prior exam as indication of frequency of exams instead of HbA1c level and use of insulin.
• **VA-MHV HYPERTENSION**  
  Converted findings to national reminder terms.

• **VA-MHV INFLUENZA VACCINE**  
  Updated the date to August 2008

• **VA-MHV PNEUMOVAX**  
  The reminder term VA-MHV HIGH RISK FOR PNEUMONIA was made national.

**Dialog Updates**

<table>
<thead>
<tr>
<th>VA-DEPRESSION SCREEN</th>
<th>PHQ-9 not required; MH test in dialog set to ‘2’ – required if opened; informational text for dialog edited to remove PHQ-9</th>
</tr>
</thead>
</table>
| VA-PTSD SCREENING    | • MH test in dialog set to ‘2’ – required if opened  
                      • Added Acute Illness to dialog |
| VA-IRAQ & AFGHANISTAN POST DEPLOYMENT SCREEN | • Added cognitive impairment  
  • Added done elsewhere  
  • Doesn’t ask the “Did you serve…? “ question if combat vet eligible  
  • Substituted Q4D – asks about embedded fragments |
Setup Steps

1. Repeat the pre-installation reminder inquiry and compare the pre- and post-installation output.

The following reminder definitions have been changed. These may require remapping. The ones in red may require remapping as well as a check of the dialog for any orders that need to be re-linked.

<table>
<thead>
<tr>
<th>Reminder</th>
<th>Change</th>
</tr>
</thead>
<tbody>
<tr>
<td>VA-ALCOHOL AUDIT-C POSITIVE F/U EVAL</td>
<td>Fixed branching logic</td>
</tr>
<tr>
<td>VA-ALCOHOL USE SCREEN (AUDIT-C)</td>
<td>Changes to dialog. Removed date from term and moved to the health factor for “No alcohol in the past 1 year”</td>
</tr>
<tr>
<td>VA-BL OEF/OIF FEVER</td>
<td>Fixed logic</td>
</tr>
<tr>
<td>VA-BL OEF/OIF GI SX</td>
<td>Fixed logic</td>
</tr>
<tr>
<td>VA-BL OEF/OIF SKIN SX</td>
<td>Fixed logic</td>
</tr>
<tr>
<td>VA-DEPRESSION SCREENING</td>
<td>Changes to terms and dialog; verify/report any changes</td>
</tr>
<tr>
<td>VA-IRAQ &amp; AFGHANISTAN POST DEPLOYMENT SCREEN</td>
<td>Multiple changes:</td>
</tr>
<tr>
<td></td>
<td>• Added Combat Vet to logic</td>
</tr>
<tr>
<td></td>
<td>• Excluded those who did not serve from denominator</td>
</tr>
<tr>
<td></td>
<td>• Added cognitive impairment to exclusions</td>
</tr>
<tr>
<td></td>
<td>• Added done elsewhere to resolutions</td>
</tr>
<tr>
<td></td>
<td>• Updated dates of health factors for depression/PTSD to 10/1/08</td>
</tr>
<tr>
<td>VA-MHV COLORECTAL CANCER SCREEN</td>
<td>VA-MHV BARIUM ENEMA added</td>
</tr>
<tr>
<td>VA-MHV HYPERTENSION</td>
<td>Uses reminder terms</td>
</tr>
<tr>
<td>VA-MHV DIABETES RETINAL EXAM</td>
<td>Frequency depends on no retinopathy only</td>
</tr>
<tr>
<td>VA-PTSD SCREENING</td>
<td>Added veteran status</td>
</tr>
<tr>
<td></td>
<td>Added Acute Illness to the dialog</td>
</tr>
<tr>
<td>VA-TBI SCREENING</td>
<td>Two new Finding Items were added: VA-COMBAT VET and (FI110) VA-COGNITIVE IMPAIRMENT, and a change in the Cohort and Resolution logic</td>
</tr>
</tbody>
</table>
2. Map Local Findings to National Terms

The following terms have changed and may need to be remapped, if previously mapped locally:
The ones in bold will almost definitely need remapping.

<table>
<thead>
<tr>
<th>Term</th>
<th>Mapping</th>
</tr>
</thead>
<tbody>
<tr>
<td>VA-COGNITIVE IMPAIRMENT</td>
<td></td>
</tr>
<tr>
<td>VA-DEPRESSION SCREEN OEF/OIF</td>
<td></td>
</tr>
<tr>
<td>VA-LDL</td>
<td>All local lab tests for LDL</td>
</tr>
<tr>
<td>VA-MHV BARIUM ENEMA</td>
<td>Add outside BE</td>
</tr>
<tr>
<td>VA-MHV COLONOSCOPY</td>
<td>Add outside colonoscopies or other HF s</td>
</tr>
<tr>
<td>VA-MHV DIABETIC FOOT EXAM COMPLETE</td>
<td>All 3 components completed</td>
</tr>
<tr>
<td>VA-MHV DIABETIC FOOT EXAM INSPECTION</td>
<td>Local exams and/or HF s</td>
</tr>
<tr>
<td>VA-MHV DIABETIC FOOT EXAM MONOFILAMENT</td>
<td>Local exams and/or HF s</td>
</tr>
<tr>
<td>VA-MHV DIABETIC FOOT EXAM PULSES</td>
<td>Local exams and/or HF s</td>
</tr>
<tr>
<td>VA-MHV HBA1C &lt;8.0</td>
<td>Local labs with condition I +V&lt;8 and outside HF s</td>
</tr>
<tr>
<td>VA-MHV HBA1C &gt;7.9</td>
<td></td>
</tr>
<tr>
<td>VA-MHV HBA1C ALL RESULTS</td>
<td></td>
</tr>
<tr>
<td>VA-MHV HDL – lab test and outside lab test</td>
<td></td>
</tr>
<tr>
<td>VA-MHV INFLUENZA IMMUNIZATION</td>
<td>Two national entries are included</td>
</tr>
<tr>
<td>VA-MHV LIPID PANEL ORDERABLE ITEMS</td>
<td></td>
</tr>
<tr>
<td>VA-MHV OCCULT BLOOD PANEL</td>
<td>Lab test for panel</td>
</tr>
<tr>
<td>VA-MHV OCCULT BLOOD SINGLE TEST</td>
<td>Lab test for individual tests in the occult blood panel e.g. occult blood #1, occult blood #2, occult blood #3</td>
</tr>
<tr>
<td>VA-MHV OUTSIDE LDL</td>
<td>Local HF s for outside LDLs, national HF s are included</td>
</tr>
<tr>
<td>VA-MHV OUTSIDE LDL&gt;99</td>
<td>Outside HF s, national HF s are included</td>
</tr>
<tr>
<td>VA-MHV PNEUMOCOCCAL IMMUNIZATION</td>
<td>National entry is included</td>
</tr>
<tr>
<td>VA-MHV SIGMOIDOSCOPY</td>
<td>Outside sigmoidoscopies or other HF s</td>
</tr>
<tr>
<td>VA-MHV TOTAL CHOLESTEROL</td>
<td>Local labs and outside HF s</td>
</tr>
<tr>
<td>VA-MHV TRIGLYCERIDES</td>
<td>Local labs and outside HF s</td>
</tr>
<tr>
<td>VA-PTSD Screen</td>
<td></td>
</tr>
<tr>
<td>VA-WH HYSTERECTOMY W/CERVIX REMOVED</td>
<td>Includes taxonomy and national HF</td>
</tr>
<tr>
<td>VA-WH MAMMOGRAM ORDER</td>
<td>Orderable item and HF included, add local</td>
</tr>
</tbody>
</table>
Example: Mapping a Local Health Factor Finding to the National Reminder Term

Select Reminder Term Management Option: te Add/Edit Reminder Term
Select Reminder Term: VA-ALCOHOL USE SCREEN NATIONAL
...OK? Yes// (Yes)
Select FINDING ITEM: 10-Question Audit
Searching for a MENTAL HEALTH INSTRUMENT, (pointed-to by FINDING ITEM)
Searching for a MENTAL HEALTH INSTRUMENT TENS
...OK? Yes// (Yes)
Are you adding 'TENS' as a new FINDINGS (the 6TH for this REMINDER TERM)? No// Y (Yes)
Editing Finding Number: 6 FINDING ITEM: 10-Question Audit
EFFECTIVE PERIOD:
USE INACTIVE PROBLEMS:
WITHIN CATEGORY RANK:
EFFECTIVE DATE:
MH SCALE:
CONDITION:
CONDITION CASE SENSITIVE:
RX TYPE:
Select FINDING ITEM:

Enter local health factors or exams that your site uses to represent positive or negative screens for alcohol use.

3. Edit Reminder Dialogs
Several Dialog Elements may need to be remapped after patch 11 is installed. For example, the reminder dialog element VA-PDIQ POLYTRAUMA CONSULT, which is used to order a TBI consult, is overwritten in the install. You will need to re-enter the finding item for this element using the menu or quick order that you use to order a TBI consult. VA-GP ALC SCREEN POS REFERRAL is also overwritten.
The objects in the element TXT ALC LABS & VS, in the VA-GP ALC AUDIT >7 (added after Patch 6 was installed) will also need to be remapped.

Check the dialogs for any orders that need to be re-linked for the following:
- VA-ALCOHOL AUDIT-C POSITIVE F/U EVAL
- VA-ALCOHOL USE SCREEN (AUDIT-C)
- VA-BL DEPRESSION SCREENING
- VA-IRAQ & AFGHAN POST-DEPLOY SCREEN
- VA-IRAQ/AFGHAN SERVICE
- VA-MHV HIGH RISK FOR PNEUMONIA
- VA-MHV INFLUENZA IMMUNIZATION
- VA-PTSD SCREENING

Steps to add or edit dialog elements:

a. Select Dialog management (DM) from the Reminders Manager Menu, then select Dialog (DI):

Select Reminder Managers Menu Option: DM Reminder Dialog Management
  DP Dialog Parameters ...
  DI Reminder Dialogs
Select Reminder Dialog Management Option: DI Reminder Dialogs

b. Use the Change View (CV) action to see the Dialog Elements view.
c. Use the Search List (SL) action to get to the dialog element you want the edit.

Select Item: Next Screen// SL SL
Search for: VA-HF DEP
...searching for 'VA-HF DEP'............

e. Make edits, as needed, by entering the dialog element number.

Find Next 'VA-HF DEP'? Yes// NO

Dialog Name: VA-HF DEP ACUTE ILLNESS
Current dialog element/group name: VA-HF DEP ACUTE ILLNESS
Used by: VA-GP DEP UNABLE TO SCREEN (Dialog Group)
          VA-GP PTSD UNABLE TO SCREEN (Dialog Group)
FINDING ITEM: UNABLE TO SCREEN - ACUTE ILLNESS//
Mapping a consult quick order for the VA-TBI SCREENING reminder dialog:

1. Type the name of the dialog element, VA-PDIQ POLYTRAUMA CONSULT (or TBI OI CONSULT FOR KNOWN TBI?)

   Select Item: Next Screen// SL SL
   Search for: VA-TBI OI CONSULT FOR KNOWN TBI
   ...searching for 'VA-TBI OI CONSULT FOR KNOWN TBI'.............

2. At the “Find Next” prompt, type No.

3. Type the item number next to the element.

4. At the finding Item Prompt, enter Q. plus the name of the site-specific Quick Order or order menu.

5. Press Enter at the Additional Finding prompt.

4. Verify that the dialogs function properly

   Test the reminder dialogs in CPRS, using either the exported dialogs or your locally created dialogs. Using point-and-click reminder resolution processing through CPRS GUI, verify the following:
   - Correct Progress Note text is posted
   - Finding Item gets sent to PCE
   - Reminder is satisfied

   Check the Clinical Maintenance component display in CPRS after testing dialogs to ensure that all the activities are tested are reflected in the clinical maintenance display.

Steps to test dialogs:

1. On the cover sheet, click on the Reminders icon.
2. Click on reminders in the Reminders box to see details of a reminder
3. Open the Notes tab and select New Note. Enter a title and visit information.
4. Open the Reminders drawer and review the contents.
5. Locate the reminder dialog and open it.
6. In the dialog box, check relevant actions.
7. Finish the reminder processing.
8. Review the text added to the note to assure its correctness.
9. Ensure that the reminder can be satisfied by the individual finding items that were mapped to the reminder terms.

10. Check the Clinical Maintenance component display in Health Summaries and CPRS after the reminder dialog is complete.

11. Repeat steps 5-10 for the Depression Assessment, Iraq & Afghan Post-Deployment Screen, and VA-PTSD SCREENING dialogs.

**NOTE:** Remember to “refresh” the screen after completing a dialog, if you want to see the updated status immediately. This is especially critical if you’re doing the screening reminder and want to see the follow-up reminder become due because of positive results.
**Appendix A: Installation Example**

Select Installation Option: INSTAll Package(s)
Select INSTALL NAME: PXRM*2.0*11 Loaded from Distribution 10/7/08@14:01:56
=> PXRM*2.0*11 ;Created on Sept 26, 2008@11:08:46

It consisted of the following Install(s):
PXRM*2.0*11

Install Started for PXRM*2.0*11:
Oct 07, 2008@05:47:49

Build Distribution Date: Sep 26, 2008

Installing Routines: Oct 07, 2008@05:47:49

Running Pre-Install Routine: PRE^PXRMP11I
DISABLE options.
DISABLE protocols.
Removing old data dictionaries.
Deleting data dictionary for file # 810.9

Installing Data Dictionaries: Oct 07, 2008@05:47:50

Installing Data: Oct 07, 2008@05:47:52

Running Post-Install Routine: POST^PXRMP11I
Rebuilding Function Finding internal data structures.
ENABLE options.
ENABLE protocols.

There are 25 Reminder Exchange entries to be installed.

<table>
<thead>
<tr>
<th>Reminder Exchange Entry</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>PATCH 11 LOCATION LIST</td>
<td></td>
</tr>
<tr>
<td>VA-ALCOHOL AUDIT-C POSITIVE F/U EVAL</td>
<td></td>
</tr>
<tr>
<td>VA-ALCOHOL USE SCREEN (AUDIT-C)</td>
<td></td>
</tr>
<tr>
<td>VA-BL OEF/OIF EMBEDDED FRAGMENTS</td>
<td></td>
</tr>
<tr>
<td>VA-BL OEF/OIF FEVER</td>
<td></td>
</tr>
<tr>
<td>VA-BL OEF/OIF GI SX</td>
<td></td>
</tr>
<tr>
<td>VA-CV ELIG W/ HF FOR NO SERVICE</td>
<td></td>
</tr>
<tr>
<td>VA-CV INELG W/ HF FOR SERVICE</td>
<td></td>
</tr>
<tr>
<td>VA-DEPRESSION SCREENING</td>
<td></td>
</tr>
</tbody>
</table>
Installing Reminder Exchange entry VA-IRAQ & AFGHAN POST-DEPLOY SCREEN
Installing Reminder Exchange entry VA-MHV BMI > 25.0
Installing Reminder Exchange entry VA-MHV CERVICAL CANCER SCREEN
Installing Reminder Exchange entry VA-MHV COLORECTAL CANCER SCREEN
Installing Reminder Exchange entry VA-MHV DIABETES FOOT EXAM
Installing Reminder Exchange entry VA-MHV DIABETES RETINAL EXAM
Installing Reminder Exchange entry VA-MHV HYPERTENSION
Installing Reminder Exchange entry VA-MHV INFLUENZA VACCINE
Installing Reminder Exchange entry VA-MHV LDL CONTROL
Installing Reminder Exchange entry VA-MHV MAMMOGRAM SCREENING
Finding RP.MAMMOGRAM UNILAT does not exist; input a replacement or ^ to quit the install.
Select RAD/NUC MED PROCEDURES NAME: MAMMOGRAPHY SCREENING (RAD Detailed) CPT:77057
Finding RP.MAMMOGRAM UNILAT does not exist; input a replacement or ^ to quit the install.
Select RAD/NUC MED PROCEDURES NAME: MAMMOGRAPHY SCREENING (RAD Detailed) CPT:77057
Installing Reminder Exchange entry VA-MHV PNEUMOVAX
Installing Reminder Exchange entry VA-OEF/OIF MONITOR REPORTING
Installing Reminder Exchange entry VA-PTSD SCREENING
Installing Reminder Exchange entry VA-TBI SCREENING
Installing Reminder Exchange entry PATCH 11 ITEMS
Removing PATCH 11 ITEMS transport reminder.
Removing PATCH 11 DIALOG transport dialog.

Updating Routine file...
Updating KIDS files...
PXRM*2.0*11 Installed.
  Oct 07, 2008@05:51:35

Install Message sent #xxxxxxxxxxxxx
Install Completed
Appendix B: Setting up a TIU/HS Object for the AUDIT-C Test

Before using the VA-Alcohol Use Screen reminder, a TIU/HS Object needs to be created to look for the last occurrence of an AUDIT-C test done on a patient. The TIU/HS Object must be named AUDIT-C for the object to work in the reminder dialog.

**NOTE:** For some reason, Health summary doesn’t allow occurrence count or time period for MH tests, so you may need to enter these first, as follows:

The components MHAL and MHAS should have values of ‘Y’ for both fields #2 - TIME LIMITS APPLICABLE and #4 - MAXIMUM OCCURRENCES APPLICABLE.

You can edit both those fields locally by doing the following:

Select OPTION: ENTER OR EDIT FILE ENTRIES

INPUT TO WHAT FILE: HEALTH SUMMARY COMPONENT/
EDIT WHICH FIELD: ALL// MAXIMUM OCCURRENCES APPLICABLE
THEN EDIT FIELD:

Select HEALTH SUMMARY COMPONENT NAME: MH
    1   MHA
    2   MHA Administration List
    3   MHA Score
    4   MHV REMINDERS DETAIL DISPLAY
    5   MHV REMINDERS SUMMARY DISPLAY
CHOOSE 1-5: 3 MHA Score
MAXIMUM OCCURRENCES APPLICABLE: Y  yes

You can do this for both MHAL and MHAS components.

**Create TIU/Health Summary Objects**
To create the TIU/Object, use the menu option “Create TIU/Health Summary Objects” under the Manager Document Definition Menu on the TIU Maintenance Menu. An example of how to set this up is provided below. The bolded parts must be exact; the non-bolded parts are site preferences.

Select OPTION NAME: TIU IRM MAINTENANCE MENU

1   TIU Parameters Menu ... 
2   Document Definitions (Manager) ...
3   User Class Management ... 
4   TIU Template Mgmt Functions ...
5   TIU Alert Tools
7   TIUHL7 Message Manager
   Title Mapping Utilities ...
6   Active Title Cleanup Report
Select TIU Maintenance Menu Option: 2  Document Definitions (Manager)

--- Manager Document Definition Menu ---

1      Edit Document Definitions
2      Sort Document Definitions
3      Create Document Definitions
4      Create Objects
5      Create TIU/Health Summary Objects

Select Document Definitions (Manager) Option: 5  Create TIU/Health Summary Objects

TIU Health Summary Object
Jul 30, 2008@12:13:19                        Page:    1 of    1

<table>
<thead>
<tr>
<th>TIU Object Name</th>
<th>Health Summary Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>1  BRADEN SCALE 30D</td>
<td>VA-BRADEN SCALE 30D</td>
</tr>
<tr>
<td>2  PRESSURE ULCER</td>
<td>VA-PRESSURE ULCER</td>
</tr>
<tr>
<td>3  PU INTERVENTIONS</td>
<td>VA-PU INTERVENTIONS</td>
</tr>
<tr>
<td>4  TIU TPBN FUTURE APPTS</td>
<td>TIU TPBN FUTURE APPTS</td>
</tr>
</tbody>
</table>

Create New TIU Object                   Find
Detailed Display/Edit TIU Object        Detailed Display/Edit HS Object
Quit Select Action: Quit// CRE   Create New TIU Object
--- Create TIU/Health Summary Object ---

Enter a New TIU OBJECT NAME: AUDIT-C ← this must be exact.

Object Name: AUDIT-C

Is this correct? YES// <Enter>

Use a pre-existing Health Summary Object? NO// <Enter>

Checking AUDIT-C (TIU) with Health Summary...

Creating Health Summary Object 'AUDIT-C (TIU)'

Select Health Summary Type: OB AUDC

Are you adding 'OB AUDC' as a new HEALTH SUMMARY TYPE (the 181th)? No// YES
NAME: OB AUDC// <Enter>
TITLE: OB AUDC
SUPPRESS PRINT OF COMPONENTS WITHOUT DATA: <Enter>
SUPPRESS SENSITIVE PRINT DATA: <Enter>
LOCK: <Enter>
OWNER: // <Enter>

Do you wish to copy COMPONENTS from an existing Health Summary Type? YES// NO
Select COMPONENT: MHAS MHA Score MHAS
SUMMARY ORDER: 5// 5
OCCURRENCE LIMIT: 1
HEADER NAME: MHA Score// <Enter>

No selection items chosen.

Select new items one at a time in the sequence you want them displayed.
You may select up to 99 items.
Select SELECTION ITEM: **AUDC**

Searching for a MH TESTS AND SURVEYS, (pointed-to by SELECTION ITEM)

Searching for a MH TESTS AND SURVEYS

1  AUDC
2  AUDCR

**CHOOSE 1-2:** 1  AUDC

Select SELECTION ITEM: <Enter>

Select COMPONENT: <Enter>

Do you wish to review the Summary Type structure before continuing? NO// <Enter>

Please hold on while I resequence the summary order.

Do you want to overwrite the TIME LIMITS in the Health Summary Type 'OB AUDC'? N//<Enter>  O

Print standard Health Summary Header with the Object? N//<Enter>  O

Partial Header:
- Print Report Date?  N//  O
- Print Confidentiality Banner?  N//  O
- Print Report Header?  N//  O
- Print the standard Component Header?  Y// ES
  - Use report time/occurrence limits?  N//  O
  - Underline Component Header?  N//  O
  - Add a Blank Line after the Component Header?  N//<Enter>  O
- Print the date a patient was deceased?  N//<Enter>  O

Print a LABEL before the Health Summary Object?  N//<Enter>  O

Suppress Components without Data?  N// <Enter> O

OBJECT DESCRIPTION:
- No existing text
- Edit? NO// <Enter>

Create a TIU Object named: AUDIT-C

Ok? YES// <Enter>

TIU Object created successfully.

Enter RETURN to continue...
Appendix C: Computed Finding Descriptions

The following are new or modified computed findings distributed by PXRM*2*11:

**NAME: VA-AGENT ORANGE EXPOSURE**
**ROUTINE: PXRMMSER**
**ENTRY POINT: AORANGE**
**PRINT NAME: VA-Agent Orange Exposure**
**TYPE: MULTIPLE**
**DESCRIPTION:** This computed finding will be true if the patient has an agent orange exposure registration date in the date range specified by Beginning Date/Time and Ending Date/Time.

Subscripts that can be used in a Condition are:
"LOCATION"

The default value is "LOCATION".

**CLASS: NATIONAL**

**NAME: VA-COMBAT SERVICE**
**ROUTINE: PXRMMSER**
**ENTRY POINT: COMBAT**
**PRINT NAME: VA-Combat Service**
**TYPE: MULTIPLE**
**DESCRIPTION:** This computed finding will be true if combat service is found in the date range specified by Beginning Date/Time and Ending Date/Time.

Subscripts that can be used in a Condition are:
"LOCATION"

The default value is "LOCATION".

**CLASS: NATIONAL**

**NAME: VA-COMBAT VET ELIGIBILITY**
**ROUTINE: PXRMMSER**
**ENTRY POINT: CVELIG**
**PRINT NAME: VA-Combat Vet Eligibility**
**TYPE: MULTIPLE**
**DESCRIPTION:** This computed finding will be true if the patient qualifies as a combat vet.

The possible values that can be used in a Condition are: "Eligible", "Expired", and "Not eligible". An example is:

I V="Not eligible"

If the patient was eligible on the evaluation date then the Value for use in a Condition will be "Eligible". If the patient is not eligible and the evaluation date is greater than the eligibility end date then the Value is "Expired", otherwise the value is "Not eligible".

**CLASS: NATIONAL**
(modified) NAME: VA-LAST SERVICE SEPARATION DATE   ROUTINE: PXRMMSER
ENTRY POINT: DISCHDT                  PRINT NAME: Veteran Last Separation Date
TYPE: SINGLE
DESCRIPTION: This is a single occurrence computed finding that returns the most recent Service Separation Date for the veteran as a FileMan date. It can be used as the value in the Condition. For example: I V>3030101.

The computed finding will be true if a separation date is found; otherwise it will be false. If the computed finding is true, the date of the finding will be the most recent Service Separation Date.
CLASS: NATIONAL                      SPONSOR: Office of Quality & Performance

NAME: VA-OEF SERVICE                  ROUTINE: PXRMMSER
ENTRY POINT: OEF                     PRINT NAME: VA-OEF Service
TYPE: MULTIPLE
DESCRIPTION: This multi-occurrence computed finding will search for periods of OEF service in the date range specified by Beginning Date/Time and Ending Date/Time.

Subscripts that can be used in a Condition are:
"LOCATION"

The default value is "LOCATION".
CLASS: NATIONAL

NAME: VA-OIF SERVICE                  ROUTINE: PXRMMSER
ENTRY POINT: OIF                     PRINT NAME: VA-OIF Service
TYPE: MULTIPLE
DESCRIPTION: This multi-occurrence computed finding will search for periods of OIF service in the date range specified by Beginning Date/Time and Ending Date/Time.

Subscripts that can be used in a Condition are:
"LOCATION"

The default value is "LOCATION".
CLASS: NATIONAL

NAME: VA-POW                         ROUTINE: PXRMMSER
ENTRY POINT: POW                     PRINT NAME: VA-POW
TYPE: MULTIPLE
DESCRIPTION: This computed finding will be true if the patient was a POW in the date range specified by Beginning Date/Time and Ending Date/Time.

Subscripts that can be used in a Condition are:
"LOCATION"

The default value is "LOCATION".
CLASS: NATIONAL
NAME: VA-PURPLE HEART
ENTRY POINT: PHEART
TYPE: SINGLE
DESCRIPTION: This computed finding will be true if the patient is a Purple Heart recipient.
There is no value for use in a Condition.
CLASS: NATIONAL

NAME: VA-SERVICE BRANCH
ENTRY POINT: SBRANCH
TYPE: MULTIPLE
DESCRIPTION: This computed finding will return service branch information for a maximum of three service periods in the date range specified by Beginning Date/Time and Ending Date/Time.
Subscripts that can be used in a Condition are:
"BRANCH"
"DISCHARGE TYPE"
"ENTRY DATE"
"SEPARATION DATE"
"SERVICE COMPONENT"
The default value is "DISCHARGE TYPE".
CLASS: NATIONAL

NAME: VA-UNKNOWN OEF/OIF SERVICE
ENTRY POINT: UNKOEIF
TYPE: MULTIPLE
DESCRIPTION: This multi-occurrence computed finding will search for periods of OEF/OIF service with an unknown location in the date range specified by Beginning Date/Time and Ending Date/Time.
Subscripts that can be used in a Condition are:
"LOCATION"
The default value is "LOCATION".
CLASS: NATIONAL

(modified) NAME: VA-VETERAN
ENTRY POINT: VETERAN
TYPE: SINGLE
DESCRIPTION: This single occurrence computed finding is true if the patient is a veteran and false otherwise.
There are no values that can be used in a Condition.
CLASS: NATIONAL