

**Update \_2\_0\_264**

Clinical Reminders

VA-SMART DIALOG AND MAMMOGRAM REMINDER UPDATE

Install Guide

**June 2022**

Product Development

Office of Information Technology

Department of Veterans Affairs

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# Introduction

Several revisions have been made to the VA-WH SMART BREAST IMAGING FOLLOW-UP reminder dialog and the VA-WH MAMMOGRAM SCREENING reminder definition.

1. The VA-WH NEXT BREAST PROCEDURE reminder term CONDITION has been updated. A Beginning Date/Time of 10.1.2020 has also been added to prevent the term from inappropriately evaluating procedures completed before the SMART functionality was deployed in CPRS 31b.
2. The following reminder terms have been moved from the reminder resolution and added to the reminder cohort logic as exclusions. These findings were not temporarily resolving the reminder correctly in conjunction with the Custom Due Date finding. Now, during the deferral and order period, the reminder will be N/A. It will come due again after the temporary resolution time has passed.
   1. VA-MAMMOGRAM SCREEN DEFER
   2. VA-WH MAMMOGRAM ORDER
   3. VA-WH BREAST CARE ORDER HEALTH FACTOR
3. New finding FOUND TEXT has been added to display in the clinical maintenance to assist local staff understand temporary logic.
   1. If the VA-BREAST CARE ORDER HEALTH FACTOR term is true, the following will display in clinical maintenance:

Screen shot showing 
Chort:
Reminder Term: VA-WH BREAST CARE ORDER HEALTH FACTOR 
Health Factor: Woman's Health Order Mammogram Screen HF followed by a date

A mammogram has been ordered i the past 90 days. This reminder will display as NOT APPLICABLE, even though it applicable to this patient.  If the patient does not have a mammogram within 90 days, the reminder will become DUE again.

* 1. If the VA-WH MAMMOGRAM SCREEN NOT INDICATED term is true, the following will display in clinical maintenance:

Screen shot showing
Cohort:  
Reminder Term: VA-WH MAMMOGRAM SCREEN NOT INDICATED
Health Factor" Woman's Health Mammogram Screen Not Indicated followed by a date. 
Comments: TEST

Mammogram screening is not indicated according to documentation.

* 1. If the VA-WH MAMMOGRAM SCREEN DEFER term is true, the following will display in clinical maintenance:

Screen shot showing

Cohort:
Reminder Term:  VA-WH MAMMOGRAM SCREEN DEFER
Health Factor: Woman's Health Mammogram Declined followed by a date.
Comments
Mammogram Screening reminder has been deferred.  During the 4 months after the deferral date, this reminder will display as NOT APPLICABLE, even though it is applicable to this patient.  The reminder will become DUE again 4 months after the deferral was documented.

* 1. If the VA-WH MAMMOGRAM ORDER term is true, the following will display in clinical maintenance:

Screen shot showing;
Cohort:
Reminder Term: VA-WH MAMMOGRAM ORDER
Orderable Item: MAMMOGRAM
followed by three dates, the first followed  by Status: active, Start date: followed by a date and stop date followed by a date.

1. Two incorrect URLs have been removed from the Mammogram Screening reference information.
2. Corrected an error that caused the reminder to be not applicable on patients <40 yo who had a mammogram and a new screening date documented in the VA-WH SMART BREAST IMAGING FOLLOW-UP note.
3. Branching logic has been added to the VA-WH MAMMOGRAM SCREENING reminder dialog to hide the “Change the frequency of mammograms for this patient” option if the VA-WH NEXT BREAST PROCEDURE reminder term is true. This indicates a future screening recommendation has been documented using the SMART dialog since CPRS 31b implementation. Once the mammogram reminder due date has been set using SMART, then the original frequency change options in the mammogram screening dialog do not impact the reminder logic.
4. The option to document “Patient breast images are normal” has been revised to “Patient breast images are benign/normal”.

Before:

Screen shot showing:
Please summarize result:
with three check  boxes as they were before:
Patient breast images are normal
Patient breast images are abnormal
Patient breast images are incomplete

After:

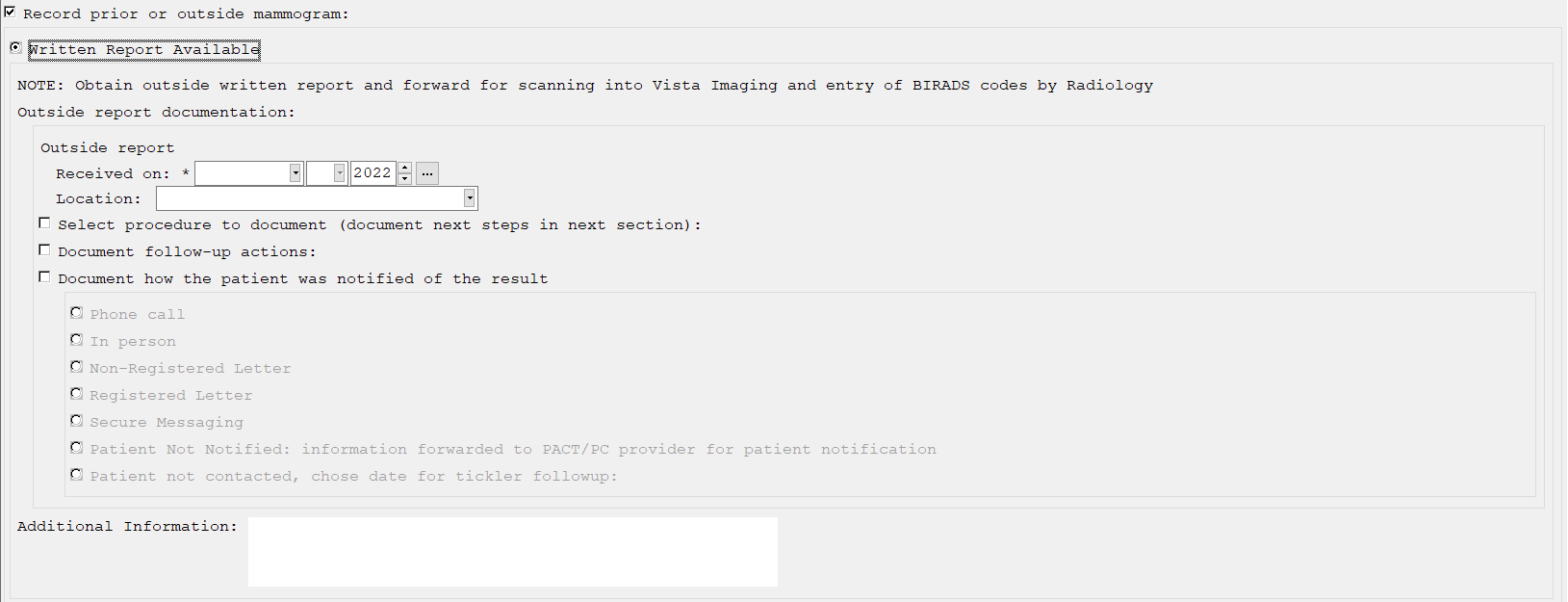
Screen shot showing the changed radio buttons:
Patient breast images are benign/normal
Patient breast images are abnormal
Patient breast images are incomplete.

UPDATE\_2\_0\_264 contains 1 Reminder Exchange entry:

**VA-SMART DIALOG AND MAMMOGRAM REMINDER UPDATE**

1. Corrected an error occurring when a user selected ‘no action required’ under the next steps section.
2. Corrected a reminder resolution error occurring when a user selected “Other” in the Diagnostics options section.
3. A new general finding is included that will ensure the date a procedure report was received in SMART will be stored.
4. The “Written Report Available” section has been revised to ensure required fields are easier to complete.
5. A new section has been added to document breast density per the imaging report.
6. Options for documenting outside Breast Tomosynthesis procedures have been added.

Before:



Screen shot showing the after Written Report Available with the Date Received and the location fillable.  The procedure to document which lists 
Mammogram Screening

Document breast density per the imaging report
Dense (heterogeneously dense of extremely dense)
Not dens (predominately fatty or scattered fibroglandular tissue)
Unknown/ not documented
Diagnostic Bilateral Mammogram:
Diagnostic Unilateral Mammogram with the side indicated
MRI
Ultrasound with the side indicated
Screening breast Tomosynthesis
Diagnostic Unilateral Breast Tomosynthesis with  the side indicated
Biopsy w
After:

Screen shot showing the continuation with how the patient was notified of the results:
Phone call
In person
non-registered letter
Registered Letter
Secure messaging
Information forwarded to PACT/PC provider for patient notification
Patient not contacted, chose date for tickler followup
Patient already notified, not needed.

**The exchange file contains the following components:**

**TEMPLATE FIELDS**

|  |
| --- |
| SMART WORD 40X4 |
| VA-WH SMART OUTSIDE OTHER |
| VA-WH SMART ULTRASOUND TYPE |
| VA-WH SMART UNILAT TYPE |
| BLANK TEXT FIELD FOR DIALOGS |
| VA-WH MAMMOGRAM GUIDANCE |

**GENERAL FINDINGS**

|  |
| --- |
| TICKLER REMINDER COMMENT |
| TICKLER REMINDER |
| FOLLOW UP WITH PATIENT COMMENT |
| FOLLOW UP WITH PATIENT |
| WH PROCEDURE ACTION COMMENT |
| RADIOLOGY REPORT RECEIVED |
| NOTIFICATION NOT NEEDED |
| EMAIL CONTACTED |
| SECURE MESSAGING |
| LETTER REGISTERED CONTACTED |
| LETTER (CERTIFIED) |
| LETTER CONTACTED |
| LETTER |
| WHO CONTACTED |
| IN PERSON |
| PHONE CALL |
| BREAST CARE CASCADE NAME |
| CLOSE CASCADE BREAST CARE |
| BR CLOSE AND FOLLOW COMPLETE |
| BR CLOSED PROCEDURE |
| BREAST REFER FOR BIOPSY |
| BIOPSY |
| WV NOTIFICATION PATIENT |
| OBTAIN PRIOR FILMS |
| BREAST OBTAIN PRIOR FILMS |
| BREAST BIOPSY ALREADY OBTAIN |
| BIOPSY ALREADY OBTAINED |
| BREAST CURRENTLY UNDER TREATMENT |
| CURRENTLY UNDER TREATMENT |
| CONSULT |
| BREAST CONSULT |
| BREAST REFER TO ONCOLOGIST |
| REFER TO ONCOLOGIST |
| BREAST REFER TO SURGEON |
| REFER TO SURGEON |
| IMAGE COMMENT |
| BREAST NEED MRI |
| RETURN FOR MRI |
| BREAST NEED ULTRASOUND |
| RETURN FOR ULTRASOUND |
| BREAST NEED MAMMOGRAM |
| RETURN FOR MAMMOGRAM |
| BR NO NEXT TREATMENT DATE |
| BR NO NEXT TREATMENT |
| WH PATIENT |
| BREAST next MAM 2Y |
| AGE BASED SCREENING |
| BREAST next MAM 1Y |
| BREAST next MAM AT START AGE |
| MAMMOGRAM SCREENING 2Y |
| MAMMOGRAM SCREENING 1Y |
| BREAST UNSATISFACTORY RESULT |
| BR UNSATISFACTORY RESULT |
| BREAST ABNORMAL RESULT |
| BR ABNORMAL RESULT |
| BREAST NORMAL RESULT |
| BR NEM RESULT |
| BI-RAD 6 RESULT |
| BI-RAD 6 |
| BI-RAD 5 RESULT |
| BI-RAD 5 |
| BI-RAD 4 RESULT |
| BI-RAD 4 |
| BI-RAD 3 RESULT |
| BI-RAD 3 |
| BI-RAD 2 RESULT |
| BI-RAD 2 |
| BI-RAD 1 RESULT |
| BI-RAD 1 |
| BI-RAD 0 RESULT |
| BI-RAD 0 |
| BREAST UNSATISFACTORY DENSE RESULT |
| BREAST ABNORMAL DENSE RESULT |
| BREAST NORMAL DENSE RESULT |
| BI-RAD 6 DENSE RESULT |
| BI-RAD 5 DENSE RESULT |
| BI-RAD 4 DENSE RESULT |
| BI-RAD 3 DENSE RESULT |
| BI-RAD 2 DENSE RESULT |
| BI-RAD 1 DENSE RESULT |
| BI-RAD 0 DENSE RESULT |
| BREAST TOMOSYNTHESIS UNILAT REPORT |
| BR OUTSIDE REPORT PROCEDURE DATE |
| BR OUTSIDE ACCESSION |
| BREAST TOMOSYNTHESIS BILAT REPORT |
| BREAST TOMOSYNTHESIS SCREENING REPORT |
| OUTSIDE ULTRASOUND |
| OUTSIDE MRI |
| OUTSIDE MAMMOGRAM DX UNILAT |
| OUTSIDE MAMMOGRAM DX BILAT |
| MAMMOGRAM SCREENING REPORT |
| OUTSIDE REPORT |
| VIEW PROGRESS NOTE TEXT |
| ALERT ID |
| CLEAR ONE |
| WV DIAGNOSIS |
| WV PROCEDURE ACCESS |
| MAMMOGRAM TEST |
| VIEW LAST THREE BR TRMTS |
| VIEW EPISODE |
| SMART BI-RAD ALERT |
| CLEAR OTHER ALERTS ID |
| CLEAR ALL FOR PROVIDER |
| BR NEXT DUE AT AGE |
| BR MAMMOGRAM SCREENING NEXT TRMT |

**HEALTH FACTORS**

|  |
| --- |
| VA-REMINDER UPDATES [C] |
| VA-UPDATE\_2\_0\_264 |
| WH MAMMOGRAM [C] |
| WH ORDER MAMMOGRAM SCREEN HF |
| WH OUTSIDE INCOMPLETE MAMMOGRAM |
| WH OUTSIDE ABNL MAMMOGRAM |
| WH OUTSIDE NORMAL MAMMOGRAM |
| VA-WH BREAST RESULT BIRAD 6 |
| VA-WH BREAST RESULT BIRAD 5 |
| VA-WH BREAST RESULT BIRAD 4 |
| VA-WH BREAST RESULT BIRAD 3 |
| VA-WH BREAST RESULT BIRAD 2 |
| VA-WH BREAST RESULT BIRAD 1 |
| VA-WH BREAST RESULT BIRAD 0 |
| VA-WH BREAST OTHER |
| VA-WH MAMMOGRAM DX UNILATERAL |
| VA-WH MAMMOGRAM DX BILATERAL |
| VA-WH MAMMOGRAM SCREENING |
| WH SMART OUTSIDE REPORT INFO |
| WH MAMMOGRAM SCREEN NOT INDICATED |
| WH BR CA SCREEN N/A 5 YRS-COMORBIDITIES |
| WH BR CA SCREEN N/A 5 YRS-LE<5YRS |
| VA LIFE EXPECTANCY [C] |
| VA LIMITED LIFE EXPECTANCY |
| WH BILATERAL MASTECTOMY |
| WH MAMMOGRAM SCREEN FREQ - 1Y |
| WH MAMMOGRAM SCREEN FREQ - 6M |
| WH MAMMOGRAM DEFERRED |
| VA-WH BR CA 40-44 WANTS SCREENING |
| VA-WH BR CA 40-44 BEGIN AGE 45 |
| WH MAMMOGRAM SCREEN FREQ - 2Y |
| WH MAMMOGRAM DECLINED |
| WH BR CA 40-49 WANTS SCREENING |
| WH MAMMOGRAM SCREEN FREQ - 4M |
| VA-WH BR CA DEFER 1Y |
| VA-WH BR CA DEFER 6M |
| REMINDER FACTORS [C] |
| INACTIVATE BREAST CANCER SCREEN |
| WH ORDER MAMMOGRAM UNILAT HF |
| WH ORDER MAMMOGRAM BILAT HF |
| WH MAMMOGRAM OUTSIDE |

**REMINDER SPONSOR**

OFFICE OF PUBLIC HEALTH AND ENVIRONMENTAL HAZARDS AND THE WOMEN

VETERANS HEALTH STRATEGIC HEALTH CARE GROUP

VHA NATIONAL CENTER FOR HEALTH PROMOTION AND DISEASE PREVENTION (NCP)

AND VHA OFFICE OF WOMEN'S HEALTH

NATIONAL CENTER FOR HEALTH PROMOTION AND DISEASE PREVENTION

**REMINDER TAXONOMY**

|  |
| --- |
| VA-MASTECTOMY |
| VA-BREAST TUMOR |
| VA-TERMINAL CANCER PATIENTS |
| VA-MAMMOGRAM/SCREEN |
| VA-WH BILATERAL MASTECTOMY |

**REMINDER TERM**

|  |
| --- |
| VA-REMINDER UPDATE\_2\_0\_264 |
| VA-WH BL ACTIVE BREAST IMAGE ALERT DATA |
| VA-WH OPEN PROCEDURES PER CASCADE |
| VA-WH BL BR ACTIVE ALERT ID |
| VA-PATIENT IS MALE |
| VA-WH MAMMOGRAM ALERT FOR MALE |
| VA-WH BL BR BI-RAD 6 |
| VA-WH BL BR BI-RAD 5 |
| VA-WH BL BR BI-RAD 4 |
| VA-WH BL BR BI-RAD 3 |
| VA-WH BL BR BI-RAD 0 |
| VA-WH BL BR BI-RAD 2 |
| VA-WH BL BR BI-RAD 1 |
| VA-AGE >74 |
| VA-BL AGE>74 |
| VA-WH AGE BETWEEN 55 AND 74 |
| VA-WH AGE BETWEEN 45 AND 54 |
| VA-WH MAMMOGRAM AGE<55 |
| VA-WH OPEN BR PROCEDURES WITH BIRAD CODES |
| VA-WH OPEN BR PROCEDURES WITHOUT BIRAD CODES AND DENSE |
| VA-WH OPEN BR PROCEDURES WITH BIRAD CODES DENSE |
| VA-WH BL GET BREAST IMAGES |
| VA-WH BL BREAST CASCADE EXIST |
| VA-WH NEXT BREAST PROCEDURE |
| VA-AGE >39&<45 |
| VA-WH CHAMP VA PATIENT |
| VA-WH BR CA 40-44 WANTS SCREEN TERM |
| VA-WH BR CA 40-44 BEGIN AGE 45 |
| VA-WH MAMMOGRAM ORDER |
| VA-WH HX BREAST CANCER/ABNORMAL MAM |
| VA-WH MAMMOGRAM SCREEN FREQ - 2Y |
| VA-WH MAMMOGRAM SCREEN FREQ - 1Y |
| VA-WH MAMMOGRAM SCREEN FREQ - 6M |
| VA-WH MAMMOGRAM SCREEN FREQ - 4M |
| VA-WH MAMMOGRAM UNSATISFACTORY IN RAD/WH PKG |
| VA-WH MAMMOGRAM SCREEN DEFER |
| VA-WH MAMMOGRAM SCREEN NOT INDICATED |
| VA-WH BREAST CARE ORDER HEALTH FACTOR |
| VA-WH MAMMOGRAM SCREEN DONE |
| VA-WH MAMMOGRAM SCREEN IN RAD PKG |
| VA-WH MAMMOGRAM SCREEN IN WH PKG |
| VA-TERMINAL CANCER PATIENT |
| VA-WH BILATERAL MASTECTOMY |

**REMINDER DEFINITIONS**

|  |
| --- |
| VA-WH BL BR ALERT WITH NO OPEN PROCEDURE |
| VA-WH OPEN BREAST PROCEDURES PER CASCADE |
| VA-WH MAMMOGRAM SCREENING |

**REMINDER DIALOG**

VA-WH SMART BREAST IMAGING FOLLOW-UP

VA-WH MAMMOGRAM SCREENING

# Pre-Installation Steps

1. Record the orders mapped to the VA-WH SMART BREAST IMAGING FOLLOW-UP reminder dialog. The site will need to re-map these orders to the reminder dialog during the install.
   1. Identify the order dialog mapped to the group VA-WH BR ADDITIONAL IMAGING. This order dialog will be used to replace the Q.BREAST TREATMENT MENU during the installation.
   2. Identify the order dialog mapped to the element VA-WH BR CONSULT. This order dialog will be used to replace the Q.GMRCOR CONSULT during the installation.
2. Record the order dialog mapped (if one is mapped) to the VA-WH GP ORDERS - MAMMOGRAM SCREEN reminder group.
3. Create a copy of the reminder inquiry output for the VA-WH MAMMOGRAM SCREENING reminder using either CPRS or VistA. Use this copy to confirm all local mapping for reminder terms are correct after post-installation.

# Install Details

This update is being distributed as a web host file. The address for the host file is: **https://REDACTED/UPDATE\_2\_0\_264.PRD**

The file will be installed using Reminder Exchange, programmer access is not required.

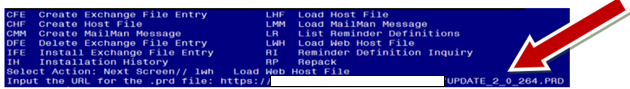
Installation:

=============

This update can be loaded with users on the system. Installation will take less than 5 minutes.

# Install Example

To Load the Web Host File. Navigate to Reminder exchange in Vista



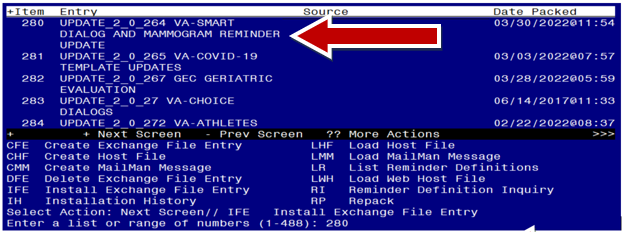
At the **Select Action:** prompt, enter **LWH** for Load Web Host File

At the **Input the url for the .prd file:** prompt, type the following web address:

**https://vaww.va.gov/reminders/docs/UPDATE\_2\_0\_264.PRD**

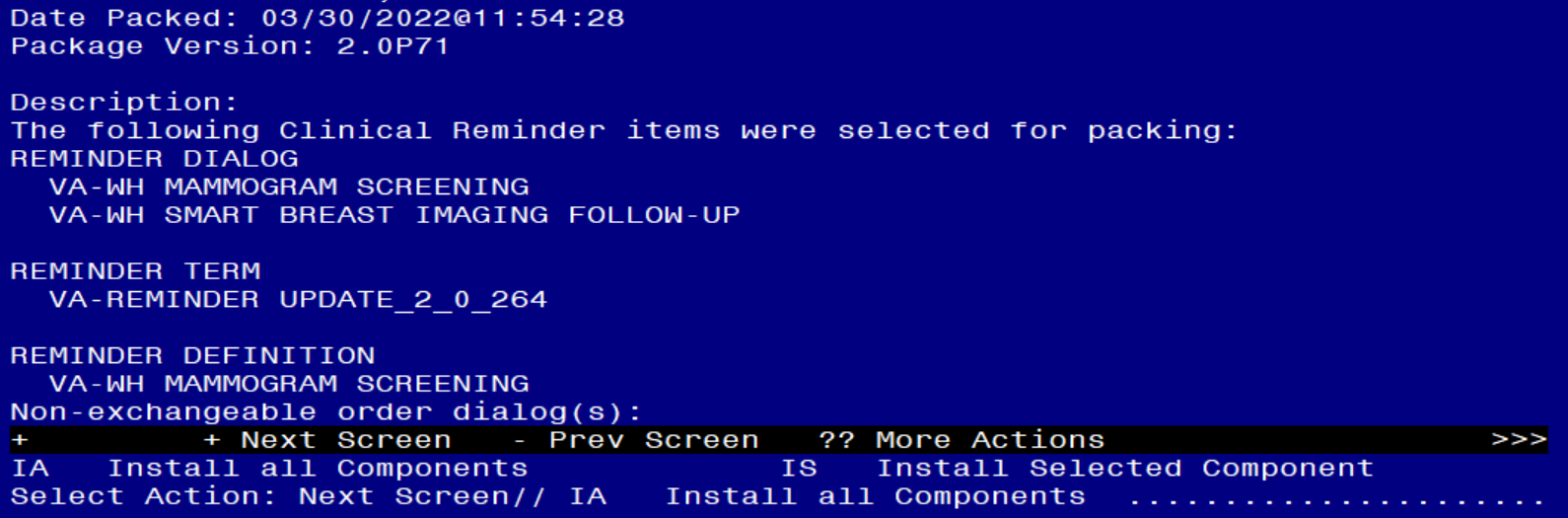
You should see a message at the top of your screen that the file successfully loaded.

Search and locate an entry titled **UPDATE\_2\_0\_264 VA-SMART DIALOG AND MAMMOGRAM REMINDER UPDATE** in reminder exchange.



At the **Select Action** prompt, enter **IFE** for Install Exchange File Entry

Enter the number that corresponds with your entry **UPDATE\_2\_0\_264 VA-SMART DIALOG AND MAMMOGRAM REMINDER UPDATE** *(in this example it is entry 280. It will vary by site).* The date of the exchange file should be 03/30/2022.



At the **Select Action** prompt, type **IA** for Install all Components and hit enter.

Select Action: Next Screen// IA Install all Components

* For all new entries, choose Install
* For REMINDER DIALOG LINK TYPE entries that exist, but the packed component is different, OVERWRITE.
* For TERMS and TAXONOMIES that exist, but the packed component is different SKIP, except the following term. Overwrite this term if asked:
* **VA-WH NEXT BREAST PROCEDURE**
* For REMINDER DEFINITIONS that exist, but the packed component is different OVERWRITE.

**You will be promped to install the reminder dialog component (VA-WH SMART BREAST IMAGING FOLLOW-UP).** You will choose to install all even though some components may have an X to indicate that they exist.

For the reminder dialog: VA-WH SMART BREAST IMATING FOLLOW_UP:
Screen shot of the terminal window showing a list of elements, groups and dialogs with the text with IA for "Install All" entered at the "Select Action:" Prompt.  The correct entry is described in the text.

At the **Select Action** prompt, type **IA** to install the dialog: **VA-WH SMART BREAST IMAGING FOLLOW-UP).**

Select Action: Next Screen// IA Install All

Install reminder dialog and all components with no further changes: Y// Yes

FINDING entry Q.BREAST TREATMENT MENU does not exist.

Enter a code from the list.

Select one of the following:

D Delete

P Replace with an existing entry

Q Quit the install

Enter response: **P**

Select ORDER DIALOG NAME: Enter local breast treatment menu identified in Pre-Installation steps.

For the reminder dialog: VA-WH SMART BREAST IMATING FOLLOW_UP:
Screen shot of the last of the list of elements, groups and dialogs that needed to be installed with a Q for quit entered at the "Select Action:" prompt because they now all exist.  

After completing this dialog install, you will type Q.

**You will be promped to install the reminder dialog component (VA-WH MAMMOGRAM SCREENING)** You will choose to install all even though some components may have an X to indicate that they exist.

For the reminder dialog VA-WH MAMMOGRAM SCREENING:
Screen shot of the terminal window showing a list of elements, groups and dialogs with the text with IA for "Install All" entered at the "Select Action:" Prompt.  The correct entry is described in the text.

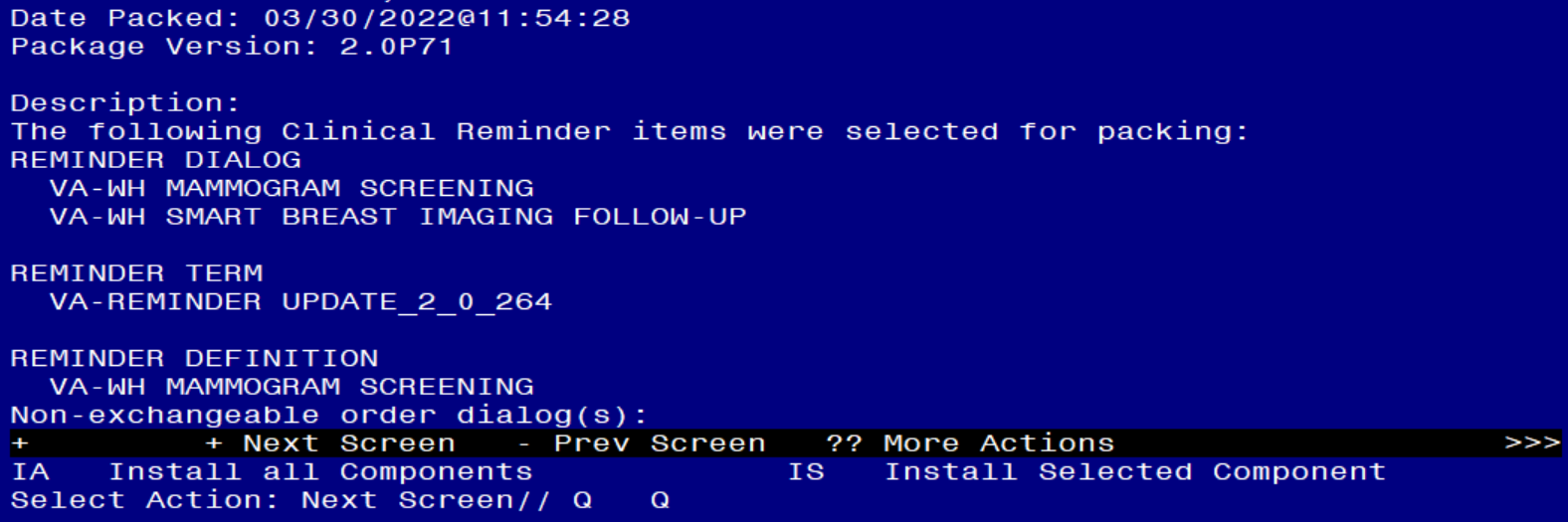
At the **Select Action** prompt, type **IA** to install the dialog: **VA-WH MAMMOGRAM SCREENING).**

Select Action: Next Screen// IA Install All

Install reminder dialog and all components with no further changes: Y// Yes

For the reminder dialog VA-WH MAMMOGRAM SCREENING:
Screen shot of the terminal window showing a list of elements, groups and dialogs with the text with Q for Quit as they all exist.

After completing this dialog install, you will type Q.



You will then be returned to this screen. At the **Select Action** prompt, type **Q.**

Install complete.

# Post Installation

1. **Map the order dialog identified in the pre-installation to the VA-WH GP ORDERS - MAMMOGRAM SCREEN reminder group.**

NAME: VA-WH GP ORDERS - MAMMOGRAM SCREEN

DISABLE:

CLASS: LOCAL//

SPONSOR: WOMEN VETERANS HEALTH PROGRAM

REVIEW DATE:

RESOLUTION TYPE:

ORDERABLE ITEM:

FINDING ITEM: Add order dialog here.

1. **Using the reminder inquiry output from the pre-installation step, compare all reminder terms in the VA-WH MAMMOGRAM SCREENING reminder definition to confirm all local mapping is correct.**
2. **Confirm all local orders are mapped correctly in the VA-WH SMART BREAST IMAGING FOLLOW-UP reminder dialog.**