



**Td, Tdap, Zoster, and Pneumococcal Vaccine
Reminders – Update to Hepatitis C Risk reminder**

PXRM*2.0*63

INSTALLATION and SETUP GUIDE

May 2016

Product Development
Department of Veterans Affairs

Contents

Introduction3

Pre-Installation.....10

Installation11

Post-Install Set-up Instructions13

Appendix A: Installation Example21

The OIT Master Glossary22

Introduction

This patch does the following during installation:

1. There 2 Reminder Exchange entry to be installed:
 - PXRM*2.0*63 TDAP ZOSTER PNEUMO
 - PXRM*2.0*63 HEP C RISK SCREEN
2. Reminders Definitions:
 - VA-HEPATITIS C RISK SCREEN
 - LONG TERM STEROID USE
 - VA-BL PNEUMOC RECENT CHEMO/IMMUNOSUPPRESSION
 - VA-OB PNEUMOCOCCAL PRIOR VACCINATIONS
 - VA-OB PNEUMOCOCCAL PPSV23 INDICATIONS
 - VA-OB ZOSTER VACCINE DATE
 - VA-BL PNEUMOC RISK IMMUNOCOMPROMISED
 - VA-PNEUMOCOCCAL IMMUNIZATION PPSV23
 - VA-OB PNEUMOCOCCAL PCV13 INDICATIONS
 - VA-OB TD/TDAP PRIOR VACCINATIONS
 - VA-TETANUS/DIPHtheria/PERTUSSIS (TDAP) IMMUNIZATION
 - VA-TETANUS/DIPHtheria (TD) IMMUNIZATION
 - VA-HERPES ZOSTER (SHINGLES) IMMUNIZATION
3. Reminder Dialogs
 - VA-HEPATITIS C RISK SCREEN
 - VA-PNEUMOCOCCAL IMMUNIZATION PCV13 PREVNAR
 - VA-PNEUMOCOCCAL IMMUNIZATION PPSV23 PNEUMOVAX
 - VA-TETANUS/DIPHtheria/PERTUSSIS (TDAP) IMMUNIZATION
 - VA-TETANUS/DIPHtheria (TD) IMMUNIZATION
 - VA-HERPES ZOSTER VACCINE
4. Taxonomies
 - VA-HEPATITIS C SEROPOSITIVE
 - VA-DRUG ABUSE FOR HCV TESTING
 - VA-HIV INFECTION
 - VA-ALCOHOL ABUSE
 - VA-PNEUMOC DZ RISK - CHEMOTHERAPY
 - VA-PNEUMOC DZ RISK - HIGHEST/NOT IMMUNO COMP
 - VA-PNEUMOC DZ RISK - HIGH
 - VA-PNEUMOC PPSV23 IMMUNIZATION
 - VA-PNEUMOC DZ RISK - IMMUNOCOMPROMISED
 - VA-PNEUMOC PCV13 IMMUNIZATION
 - VA-TDAP VACCINE (RD)
 - VA-TD VACCINE ADSORBED GENERIC (RD)
 - VA-TD VACCINE PRESERV FREE ADSORBED (RD)
 - VA-HERPES ZOSTER (SHINGLES) IMMUNIZATION
 - VA-IMMUNOCOMPROMISED
 - VA-TERMINAL CANCER PATIENTS

Description:

Tdap Vaccine:

A single dose of Tdap (Tetanus Toxoid, Reduced Diphtheria Toxoid and Acellular Pertussis vaccine) should be given regardless of when the last Tetanus containing product was received in adults who have not previously received Tdap. In addition, pregnant women should receive an additional dose during each pregnancy.

Tdap Contraindications:

- A history of serious allergic reaction (i.e., anaphylaxis) to any component of the vaccine.
- A history of encephalopathy (e.g., coma or prolonged seizures) not attributable to an identifiable cause within 7 days of administration of a vaccine with pertussis components. This contraindication is for the pertussis components, and these persons should receive Td instead of Tdap.

PREGNANT/BREASTFEEDING WOMEN:

Women's health care providers should implement a Tdap vaccination program for pregnant women. Health care providers should administer Tdap during each pregnancy, preferably during the third trimester (between 27-63 weeks gestation), although Tdap may be given at any time during pregnancy. If Tdap is not administered during pregnancy, Tdap should be administered immediately postpartum. The rationale for repeat vaccination during each pregnancy is that reported cases of pertussis continue to increase, uptake of Tdap vaccine among pregnant women remains low and new data indicate that maternal anti-pertussis antibodies are short-lived, thus Tdap vaccination in one pregnancy will not provide high levels of antibodies to protect newborns during subsequent pregnancies. The rationale for administration during the third trimester (between week 27-63 weeks gestation) is that this would provide the highest concentration of maternal antibodies to be transferred closer to birth, but also allow for the 2 weeks (before birth) required to mount a maximal immune response to the vaccine antigens.

**Since Tdap was NOT available before 2005 and was NOT given prior to 2006, any record of Tdap prior to these dates will be ignored and assumed to be an incorrect entry.

Td Vaccine:

Td (Tetanus and Diphtheria Toxoids) should be given to adults every 10 years as booster doses after the primary series of three vaccinations against diphtheria, tetanus, and pertussis that was received during infancy and childhood. If a dose is given sooner as part of wound management, the next booster is not needed until 10 years thereafter.

CONTRAINDICATIONS:

A contraindication is a condition in a recipient that increases the risk for a serious adverse reaction. A vaccine should not be administered when a contraindication is present.

- A history of serious allergic reaction (i.e., anaphylaxis) to any component of the vaccine.
- A history of a neurologic or severe hypersensitivity reaction following a previous dose.

This reminder is applicable only if a prior Tdap has been administered. This prevents both the Tdap reminder and this reminder from displaying at the same time in the same patient's record.

How the TDAP/TD reminders work:

Only one reminder would be due at a time – never both

Td:

1. The reminder will apply to all adults aged 19 and older. A Td Vaccine is recommended every 10 years.
2. This reminder is applicable only if a prior Tdap has been administered. This prevents both the Tdap reminder and this reminder from displaying at the same time in the same patient's record.
3. Reminder Term, "VA-TETANUS/DIPHTHERIA IMMUNIZATION" includes the standardized immunization for Td. Sites should also include the immunizations that were used for Td vaccines.
4. Reminder Term, "VA-TETANUS/DIPHTHERIA DEFERRALS " should include any Health Factors that have been in use at a VAMC to indicate the following items:
 - Td Immunization Refusal
 - Acute Febrile IllnessAny finding in this reminder term will resolve the reminder for predetermined amount of time.
5. Reminder Term, "VA-TETANUS/DIPHTHERIA CONTRAINDICATION" contains computed findings looking for allergies to Tetanus or Diphtheria that have been documented in the Allergy/Adverse Drug Reaction package. If found, the reminder will not apply - AND NOT Cohort Logic. Health Factors in use locally to document allergy to Td should also be included in the reminder term.
6. Reminder Term, "VA-TETANUS/DIPHTHERIA ORDERS" should contain any orders for the Td vaccine. Sites should map any orders that are used for the Td immunization. The reminder will be resolved for 28 days by the order for Td vaccine.
7. COHORT:
 - Due for patient that have had the Tdap Immunization
 - Not applicable for patients with a Td Contraindication
8. RESOLUTION:
 - Td immunization
 - Td Deferrals
 - Td Order

Tdap:

**Since Tdap was NOT available before 2005 and was NOT given prior to 2006, any record of Tdap prior to these dates will be ignored and assumed to be an incorrect entry.

1. Reminder Term, "VA-TDAP IMMUNIZATION" includes the standardized immunization for Tdap. Sites should also include any locally created immunizations that were used for Tdap vaccines.
2. Reminder Term "VA-TDAP DEFERRALS" should include any Health Factors that have been in use at a VAMC to indicate the following items:
 - Tdap Immunization Refusal

- Acute Febrile Illness

Any finding in this Reminder Term will resolve the reminder for predetermined amount of time.

3. The Reminder Term, "VA-TDAP CONTRAINDICATION", contains Computed Findings looking for allergies to TETANUS, DIPHTHERIA or PERTUSSIS that have been documented in the Allergy/Adverse Drug Reaction package. If found, the reminder will not apply - AND NOT Cohort Logic.
4. Reminder Term, "VA-TDAP ORDERS" should contain any orders for the Tdap vaccine. Sites should map any orders that are used for the Tdap vaccine. The reminder will be resolved for 28 days by the order for Tdap vaccine.
5. COHORT:
Not applicable for patients with a Tdap Contraindication
6. RESOLUTION:
 - Tdap Immunization
 - Tdap Deferrals
 - Tdap Orders

Herpes Zoster (Shingles) Vaccine:

Zoster is a localized, generally painful cutaneous eruption that occurs most frequently among older adults and immunocompromised persons. It is caused by reactivation of latent varicella zoster virus (VZV) sometimes decades after initial VZV infection is established. A common complication of zoster is postherpetic neuralgia (PHN), a chronic, often debilitating pain condition that can last months or even years.

Zoster vaccine is partially efficacious at preventing zoster, at reducing the severity and duration of pain and at preventing postherpetic neuralgia (PHN) among those developing zoster. A single dose of shingles vaccine is recommended for adults 60 years of age and older who does not have contraindications to the vaccine.

Patients with a history of zoster CAN be vaccinated.

CONTRAINDICATIONS:

- History of anaphylactic reaction to any component of the vaccine, including gelatin and neomycin.
- Persons with primary or acquired immunodeficiency including, leukemia, lymphomas, or other malignant neoplasms affecting the bone marrow or lymphatic system.
- AIDS or other clinical manifestations of HIV.
- Persons on immunosuppressive therapy, including high-dose corticosteroids.
- Persons receiving recombinant human immune mediators and immune modulators.
- Persons undergoing hematopoietic stem cell transplantation (HSCT).
- Pregnant or might be pregnant.

PRECAUTIONS:

- Persons who have severe acute illness should be postponed until recovery.
- Zoster should be deferred in patients with active, untreated tuberculosis.

How the Herpes Zoster reminder works:

1. The reminder applies to all adults aged 60 and older.
2. Reminder Term, "VA-ZOSTER IMMUNIZATION" includes the standardized immunization for herpes zoster.
3. Reminder Term, "VA-ZOSTER DEFERRALS" should include any Health Factors that have been in use at a VAMC to indicate the following items:
 - Herpes Zoster refusal
 - A precaution
 - Herpes Zoster vaccine unavailableAny finding in this reminder term will resolve the reminder for 3 months.
4. Reminder Term, "VA-ZOSTER CONTRAINDICATION" contains computed findings looking for allergies to gelatin, neomycin, or zoster vaccine documented in the Allergy/Adverse Drug Reaction package and health factors representing a contraindication. If found, the reminder will not apply.
5. Reminder Term, "VA-ZOSTER ORDERS" should contain any orders for the vaccine. Map any orderable items for administering the Herpes Zoster Vaccine. The reminder will be resolved for 28 days by the order for herpes zoster vaccine.
6. Three reminder terms VA-CHEMO/IMMUNOSUPPRESSIVE DRUGS, VA-HIGH DOSE STEROIDS, and VA-IMMUNOCOMPROMISED represent contraindications for the herpes zoster vaccine. If found, the reminder will not apply.
7. COHORT:
 - Patients 60 yo and older
 - Not applicable for patients with a herpes zoster contraindication
8. RESOLUTION:
 - Zoster immunization
 - Zoster Deferrals
 - Zoster Order

Updates to PPSV23/PCV13 national reminders

Update June 2015 - ACIP changed the recommendations to increase time period from PCV13 to PPSV23 to one year for patients age 65 and older who are not immunocompromised. The time period remains 2 months for patients age <65 or for patients who are immunocompromised. The PPSV23 reminder definition has been updated to follow this guidance.

Both reminders, VA-PNEUMOCOCCAL IMMUNIZATION PCV13 and VA-PNEUMOCOCCAL IMMUNIZATION PPSV23 had a few entries for found text in the reminder definition that are updated in this version. The basic logic of the PCV13 reminder has not been changed.

There was one update to the dialog element VA-IM PNEUMOC VHA GUIDANCE LINKS, outlining the new guidelines. The VIS date for PPSV23 was also updated in dialog element TEXT PNEUMOC PPSV23 VIS.

Technical Description of changes to the PPSV23 reminder definition

Update June 2015 - ACIP changes recommendations to increase time period from PCV13 to PPSV23 to one year for patients age 65 and older who are not immunocompromised. Remains 8 weeks for patients <65 or who are immunocompromised.

Two new function findings are added to the PPSV23 reminder: FF(22) and FF(23)

The time period for waiting ((2M for <65 or IC, 1Y for >64 and not IC) is based on the age of the patient at the time of the vaccine administration.

In FF(22) this is represented by the DIFF_DATE function which compares the date of birth to the date of administration of PCV13. The DTIME_DIFF function in FF(22) and FF(23) compares the date of the most recent dose to today's date.

FF(22)

```
((DTIME_DIFF(7,1,"DATE",19,1,"DATE","D","A")>55)&(FI(17))!  
(DIFF_DATE(19,1)<23742)))!(DTIME_DIFF(7,1,"DATE",19,1,"DATE","D","A")>364)&(FI(19))!  
(FI(15)&FI(19))
```

PCV13 >55 days ago if administered <65 or immunocompromised,
PCV13 over 1 year ago, or contraindication to PCV13 and has not had PCV13

FF(23)

```
((DTIME_DIFF(7,1,"DATE",19,1,"DATE","D","A")>55)&(FI(19))!FI(19))
```

PCV13 over 56 days ago,
Or has not had PCV13

(since this FF is used only on patients <65, it does not need to explicitly include an age like FF(22) does)

The cohort logic is divided into 2 sections - 1. for patients who need PCV13 first and 2. for patients who do not need PCV13.

1. (((FI(3)&FF(12))!FI(4)!FI(7)!FI(18)!FI(16)&(FF(16)!FF(17)!FF(18)!FF(19))))&FF(22))

2. !(((FI(2)&FF(13)&FF(23)))&'(FI(3)&FF(12))!FI(4)!FI(7)!FI(18)
(FI(16)&(FF(16)!FF(17)!FF(18)!FF(19))))&'FI(8)

Part 1 will not be true if unless PCV13 was given outside the required time periods (2M for <65 or IC, 1Y for >64 not IC), so PCV13 must be given and the time period must have elapsed or the patient has a contraindication and then FF(22) will be true.

Part 2 will not be true if PCV13 was administered in the past 2 months, this part of the logic only applies to patients less than 65 who do not require PCV13.

Name change - VA-HEPATITIS C RISK SCREEN

It was identified at specific sites that including the word “Assessment” in the title of the HEPATITIS C Risk Screening Clinical Reminder prevented particular clinicians from being able to perform the Hepatitis C Risk Screen. In order to support all sites, the name of the Clinical Reminder has been changed from **Hepatitis C Risk Assessment** to **Hepatitis C Risk Screen**

This patch will update your existing reminder VA-HEPATITIS C RISK **ASSESSMENT** to the name VA-HEPATITIS C RISK **SCREEN**.

The reminder definition, print name, reminder term, reminder dialog and health factor names have all been changed from **ASSESSMENT** to **SCREEN**. No content or functionality has changed

This reminder was originally installed with patch PXR*2.0*52 with the name VA-HEPATITIS C RISK ASSESSMENT.

Pre-Installation

Required Software for PXR*2*63

Package/Patch	Namespace	Version	Comments
Clinical Reminders	PXR	2.0	Fully patched
Health Summary	GMTS	2.7	Fully patched
Kernel	XU	8.0	Fully patched
NATIONAL DRUG FILE	PSN	4.0	Fully patched
Pharmacy Data Management	PSS	1.0	Fully patched
Outpatient Pharmacy	PSO	7.0	Fully patched
VA FileMan	DI	22	Fully patched

Related Documentation

Documentation	Documentation File name
Installation and Setup Guide	PXR_2_0_IG.PDF

Web Sites

Site	URL	Description
National Clinical Reminders site	http://vista.med.va.gov/reminders	Contains manuals, PowerPoint presentations, and other information about Clinical Reminders
National Clinical Reminders Committee	http://vaww.portal.va.gov/sites/ncrc/public/default.aspx	This committee directs the development of new and revised national reminders
VistA Document Library	http://www.va.gov/vdl/	Contains manuals for Clinical Reminders and

1. **Do a reminder inquiry on both the reminders VA-PNEUMOCOCCAL IMMUNIZATION PPSV23 and VA-PNEUMOCOCCAL IMMUNIZATION PCV13 and save this as a reference for post installation, you will need to re-map several reminder terms post-install.**
2. Check the dialog elements for quick orders for the immunizations and record those entries so they can be re-entered after installation:
OI PNEUMOC PCV13 OUTPT SHORT
OI PNEUMOC PPSV23 OUTPT
3. **Do a reminder inquiry the reminders VA-HEPATITIS C RISK ASSESSMENT and save this as a reference for post installation, you will need to re-map several reminder terms post-install.**
4. Check the dialog element VA-HEP C TESTING ORDER ANTI-HCV for a quick order finding item for the Hep C lab test and record that entry so it can be re-entered after installation.
5. Review and print term VA-HEP C TESTING ORDER ANTI-HCV prior to install to compare post install
6. Review and print term VA-BL HEP C RISK ASSMNT ORDERS OPTION prior to install to compare to term VA-BL HEP C RISK SCREEN ORDERS OPTION post install. (this term will be renamed during the installation)

Installation

*This patch can be installed with users on the system, but it should be done during non-peak hours.
Estimated Installation Time: 10-15 minutes*

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

NOTE: We recommend that a Clinical Reminders Manager or CAC be present during the install, so that if questions occur during the install of Reminder Exchange entries, a knowledgeable person can respond to them.

1. Retrieve the host file from one of the following *Secure FTP sites* (with the ASCII file type):

Albany	fo-albany.med.va.gov
Hines	fo-hines.med.va.gov
Salt Lake City	fo-slc.med.va.gov

2. Install the patch 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.KID at the Host File prompt.

Example

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

4. 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.

a. 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.).

5. 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*63 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.

Answer "NO" to the following prompt:

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

NOTE: DO NOT QUEUE THE INSTALLATION, because this installation asks questions requiring responses and queuing will stop the installation. A Reminders Manager or CAC should be present to respond to these.

Installation Example

See [Appendix A](#).

6. Install File Print

Use the KIDS Install File Print option to print out the results of the installation process. You can select the multi-package build or any of the individual builds included in the multi-package build.

7. Build File Print

Use the KIDS Build File Print option to print out the build components.

8. Post-installation routines

After successful installation, the following init routines may be deleted:

Post-Install Set-up Instructions

Td Reminder

1. Map your local Td immunization types in the Reminder Term: VA-TETANUS/DIPHThERIA IMMUNIZATION
2. Map your local health factors used to indicate Td Immunization Refusal or Acute Febrile Illness in the Reminder Term: VA-TETANUS/DIPHThERIA DEFERRALS and add appropriate beginning dates to temporarily resolve the reminder, dependent upon the reason for deferral and according to local policy.
3. Map your local health factors used to indicate Td Allergy in the Reminder Term: VA-TETANUS/DIPHThERIA CONTRAINDICATION
4. Map your local orderable items for immunizations if you want the active/pending order to resolve the reminder (optional) in the Reminder Term: VA-TETANUS/DIPHThERIA ORDERS *Limit the finding status to ACTIVE, PENDING, and RENEWED.*
5. Add any local order/orderable item to element: OI TD OUTPT
6. Two template fields are used for Lot #s and expiration dates and manufacturer. They are exported as EDIT BOXES, for free text entry. Sites may choose to change the TYPE to a COMBO box and then populate the template fields with local lot #s and expiration dates.
 - IM TD LOT# EXP DATE
 - IM TD MANUF

Changing the type is done in CPRS under Template Editor on the Notes Tab.

The screenshot displays the 'Template Field Editor' window. On the left, a list of template fields is shown, with 'IM TD LOT# EXP DATE' selected and highlighted by a red rectangle. To the right of this list, a table indicates the type of each field (e.g., 'Display Te', 'Edit Box', 'Date', 'Hyperlink', 'Check Box', 'Combo Bo'). The right-hand pane provides configuration details for the selected field: 'Name: IM TD LOT# EXP DATE', 'Type: Edit Box', 'Field Len: 30', and 'Text Len: 70'. Under the 'Miscellaneous' section, the 'Required' checkbox is checked. The 'Notes' section at the bottom shows the field was 'Created 9/24/14-Dawn O'Connor'. At the bottom of the window, there are buttons for 'Preview', 'OK', 'Cancel', and 'Apply'.

Tdap Reminder:

1. Map your local Tdap immunization types in the Reminder Term: VA-TDAP IMMUNIZATION
2. Map your local health factors used to indicate Tdap Immunization Refusal or Acute Febrile Illness in the Reminder Term : VA-TDAP DEFERRALS and add appropriate beginning dates to temporarily resolve the reminder, dependent upon the reason for deferral and according to local policy.
3. Map your local health factors used to indicate Tdap Allergy in the Reminder Term: VA-TDAP CONTRAINDICATION
4. Map your local orderable items for immunizations if you want the active/pending order to resolve the reminder (optional) in the Reminder Term: VA-TDAP ORDERS *Limit the finding status to ACTIVE, PENDING, and RENEWED.*
5. Add any local order/orderable item to element: OI TDAP OUTPT
6. Two template fields are used for Lot #s and expiration dates and manufacturer. They are exported as EDIT BOXES, for free text entry. Sites may choose to change the TYPE to a COMBO box and then populate the template fields with local lot #s and expiration dates.
 - IM TDAP LOT# EXP DATE
 - IM TDAP MANUF

Changing the type is done in CPRS under Template Editor on the Notes Tab.

The screenshot shows the 'Template Field Editor' window. The left pane lists various template fields. The right pane shows the configuration for the selected field, 'IM TD LOT# EXP DATE'. The 'Type' is set to 'Edit Box'. The 'Field Len' is 30 and 'Text Len' is 70. There are checkboxes for 'Inactive', 'Required', 'Separate Lines', and 'Exclude From Note'. The 'Notes' section at the bottom contains the text 'Created 9/24/14-Dawn O'Connor'.

TD and TDAP reminder term used for order suppression:

The order option in the dialog can be suppressed for specific user classes or for everyone using the reminder term:

VA-TD/TDAP ORDER SUPPRESSION

Finding:

- a) To suppress for specific user classes, in the above Term configure the VA-ASU USER CLASS computed finding and DELETE the VA-AGE finding. NOTE: *If the Age finding is not deleted, the user class settings will not work.*

VA-ASU USER CLASS

Enter the user class in the Computed Finding Parameter field that should NOT see the option to order the TD/TDAP vaccines.

If more than one user class is needed, add additional findings of the CF

VA-ASU USER CLASS for each one as needed.

- b) To suppress for EVERYONE, in the above term DELETE the VA-ASU USER CLASS finding and edit the VA-AGE computed finding.

VA-AGE

To suppress the order from being seen by ANYONE, delete the Condition within the VA-AGE computed finding.

Zoster Reminder:

1. Map your local Zoster immunization types in the Reminder Term : VA-ZOSTER IMMUNIZATION
2. Map your local health factors used to indicate Zoster immunization refusal, deferral, or vaccine unavailable in the Reminder Term : VA-ZOSTER DEFERRALS and add appropriate beginning dates to temporarily resolve the reminder, dependent upon the reason for deferral and according to local policy.
3. Map your local health factors used to indicate Zoster allergy or other contraindications in the Reminder Term: VA-ZOSTER CONTRAINDICATION.
4. Map your local orderable items for administering the Herpes Zoster vaccine for active/pending orders in the Reminder Term : VA-ZOSTER ORDERS. *Limit the finding status to ACTIVE, PENDING, and RENEWED.*
5. Map local dosage formulations for high dose corticosteroids in the Reminder Term : VA-HIGH DOSE STEROIDS.

Include the below drugs and any higher dosages **(if available):**

PREDNISONE 20MG TAB,
PREDNISONE 50MG TAB,
DEXAMETHASONE 4MG,
CORTISONE 100MG TAB,
HYDROCORTISONE 80MG,
TRIAMCINOLONE 16MG,
METHYLPREDNISOLONE 16MG,
BETAMETHASONE 3MG

It is important to consult your local Pharmacy to insure all appropriate dosage formulations are entered in the term.

6. Place your local quick order used to order herpes zoster vaccine as a finding item in dialog group: VA-HERPES ZOSTER ORDER
7. Two template fields are used for Lot #s and expiration dates and manufacturer. They are exported as EDIT BOXES, for free text entry. Sites may choose to change the TYPE to a COMBO box and then populate the template fields with local lot #s and expiration dates.
 - IM ZOSTER LOT# EXP DATE
 - IM ZOSTER MANUF

Changing the template field is done in CPRS under Template Editor on the Notes Tab.

The screenshot shows the 'Template Field Editor' window. On the left, under 'Template Fields', a list includes 'IM ZOSTER LOT# EXP DATE * Edit Box' which is highlighted. Other fields listed include 'IM ZOSTER MANUF', 'IMMUNIZATIONS', 'IMMUNOLOGIC', 'INFECTIOUS', 'INFERTILITY HISTORY COMMENT', 'JJS WA BS ACT', 'JJS WA BS FR', 'JJS WA BS MB', 'JJS WA BS MO', 'JJS WA BS NU', 'JJS WA BS SP', 'LAST PAP COMMENT', 'LIFE SUSTAINING TREATMENT PLAN ORIGINAL', 'LST N/A', 'LST OTHER-ND', 'LST SURR LIST', and 'LST-ADDITIONAL COMMENTS'. The right pane shows the configuration for the selected field: Name: 'IM ZOSTER LOT# EXP DATE', Type: 'Edit Box', Field Len: '30', Text Len: '70'. At the bottom, there are checkboxes for 'Inactive', 'Separate Lines', 'Required' (checked), and 'Exclude From Note', along with 'Indent' settings for 'Field' and 'Text'.

The order option in the dialog can be suppressed for specific user classes or for everyone using the reminder terms:

Herpes Zoster reminder term used for order suppression:

The order option in the dialog can be suppressed for specific user classes or for everyone using the reminder term:

VA-ZOSTER ORDER SUPPRESSION

Finding:

- a) To suppress for specific user classes, in the above Term configure the VA-ASU USER CLASS computed finding and DELETE the VA-AGE finding. *NOTE: If the Age finding is not deleted, the user class settings will not work.*

VA-ASU USER CLASS

Enter the user class in the Computed Finding Parameter field that should NOT see the option to order the Zoster vaccine.

If more than one user class is needed, add additional findings of the CF

VA-ASU USER CLASS for each one as needed.

- b) To suppress for EVERYONE, in the above term DELETE the VA-ASU USER CLASS finding and edit the VA-AGE computed finding.

VA-AGE

To suppress the order from being seen by ANYONE, delete the Condition within the VA-AGE computed finding.

Herpes Zoster reminder term used to suppress documentation of Administration:

The option to document administration in the dialog can be suppressed for specific user classes or for everyone using the reminder terms. If the option to document administration is suppressed, the reminder would be used to place the order or document a historical vaccination:

VA-ZOSTER ADMINISTRATION SUPPRESSION

Finding:

- a) To suppress for specific user classes, in the above Term configure the VA-ASU USER CLASS computed finding and DELETE the VA-AGE finding. *NOTE: If the Age finding is not deleted, the user class settings will not work.*

VA-ASU USER CLASS

Enter the user class in the Computed Finding Parameter field that should NOT see the option to document administration of the Herpes Zoster vaccine.

If more than one user class is needed, add additional findings of the CF

VA-ASU USER CLASS for each one as needed.

- b) To suppress for EVERYONE, in the above term DELETE the VA-ASU USER CLASS finding and edit the VA-AGE computed finding.

VA-AGE

To suppress the option to document administration from being seen by ANYONE, delete the Condition within the VA-AGE computed finding.

Pneumococcal Reminders:

1. Check the mapping of the reminder terms in the reminder definitions by comparing the reminder inquiry that was save prior to installation with a reminder inquiry post-install.
2. Check the reminder terms for the 2 immunizations and include any local entries. The national entries for these 2 immunizations are included:
PNEUMOCOCCAL CONJUGATE PCV 13
PNEUMOCOCCAL POLYSACCHARIDE PPV23
3. Check that the order dialogs are present in the 2 reminder dialog elements for ordering the immunizations from the pre-install steps.
4. Two template fields are used for Lot #s and expiration dates. They are exported as EDIT BOXES, for free text entry. Sites may choose to change the TYPE to a COMBO box and then populate the template fields with local lot #s and expiration dates. Verify that these are still set up to your sites preference

IM PCV13 LOT# EXP DATE

IM PPSV23 LOT# EXP DATE

Changing the type is done in CPRS under Template Editor on the Notes Tab.

The screenshot shows the 'Template Field Editor' window. On the left, a list of template fields is displayed, with 'IM PCV13 LOT# EXP DATE' selected. The right pane shows the configuration for this field: Name is 'IM PCV13 LOT# EXP DATE', Type is 'Edit Box', Field Len is 30, and Text Len is 70. The 'Required' checkbox is checked under the 'Miscellaneous' section. The 'Notes' section is empty. Buttons for 'Delete', 'Copy', 'New', 'Preview', 'OK', 'Cancel', and 'Apply' are visible.

Pneumococcal reminder term used for order suppression:

The order option in the dialog can be suppressed for specific user classes or for everyone using the reminder terms:

VA-PNEUMOC PCV13 ORDER SUPPRESSION

VA-PNEUMOC PPSV23 ORDER SUPPRESSION

- a) To suppress for specific user classes, in the above Terms configure the VA-ASU USER CLASS computed finding and DELETE the VA-AGE finding. NOTE: If the Age finding is not deleted, the user class settings will not work.

VA-ASU USER CLASS

Enter the user class in the Computed Finding Parameter field that should NOT see the option to order the pneumococcal vaccines.

If more than one user class is needed, add additional findings of the CF

VA-ASU USER CLASS for each one as needed.

- b) To suppress for EVERYONE, in the above TERMS DELETE the VA-ASU USER CLASS finding and edit the VA-AGE computed finding.

VA-AGE

To suppress the order from being seen by ANYONE, delete the Condition within the VA-AGE computed finding.

Hepatitis C Risk Screen:

1. **Check the mapping of the reminder terms in the reminder definition by comparing the reminder inquiry that was saved prior to installation with a reminder inquiry post-install.**
2. Add the quick order for your local Hepatitis C lab test to dialog element VA-HEP C TESTING ORDER ANTI-HCV as a finding.
3. **Decide whether or not to include the Hepatitis C Testing options in the Hepatitis C Risk Screen.**

The Hepatitis C Risk Screen dialog includes the options for documenting Hepatitis C Testing in the positive risk screen option (below). This is included for sites that want the ability to resolve both reminders in the same encounter as their reminder processing allows. This function is optional. The Hepatitis C Testing functions and documentation are inherently the responsibility of a practitioner (for example, physician, nurse practitioner or physician's assistant) and if sites elect to combine the two reminders, assignment to/completion of this clinical reminder should be limited to practitioners with the authority to complete all of the associated actions in the clinical record (e.g., obtaining and documenting specific informed consent for testing; ordering of the lab test; and documenting a patient's reason(s) for declining the test and the expected outcome.) If you have previously combined the two reminders, you may need to separate out the Hepatitis C Risk Screen from the Hepatitis C testing functions if they are being completed by medical staff such as LVNs and RNs without a scope of practice sufficient to complete all associated actions.

The **testing options section** in the risk screen is controlled with branching logic within the VA-HEPATITIS C RISK SCREEN dialog. The group named VA HEP C RISK SCREEN TESTING HEADER has a reminder term **VA-BL HEP C RISK SCREEN ORDERS OPTION**, which decides whether to display the options or not.

To see how your site had the order option configured prior to this update, review the printout of term VA-BL HEP C RISK ASSMNT ORDERS OPTION that was printed as part of the pre-install instructions.

The reminder term, **VA-BL HEP C RISK SCREEN ORDERS OPTION**, is installed **WITHOUT** a mapped finding. As installed, the term will evaluate as FALSE and the testing options will NOT display to the user in the VA HEPATITIS C RISK SCREEN.

If your site does NOT want the testing options displayed in the Risk Screen dialog:
DO NOTHING. Leave the term blank.

To display the testing options in the risk screen:

Add the Computed finding VA-AGE to the term, VA-BL HEP C RISK SCREEN ORDERS OPTION, which will evaluate as TRUE for all patients and display the testing options. You do not need to add any conditions to the finding

Reminder Resolution: Hepatitis C Risk Screen

☐ View list of risk factors

Screen

☐ No risk factors present.

☒ Risk factor(s) present.

- ☐ Prior or current intravenous drug use.
- ☐ Blood transfusion or organ transplantation prior to 1992.
- ☐ Hemodialysis
- ☐ Vietnam-era Veteran, defined by dates of service from 1964-1975.
- ☐ Health care, emergency medical care, emergency medical and public safety workers after a needle stick injury or mucosal exposure to HCV-positive blood.
- ☐ Tattoos or body-piercings obtained in non-regulated setting.
- ☐ Intranasal drug user who have shared paraphernalia.
- ☐ 20 or more lifetime sexual partners.
- ☐ Current or past sexual exposure to an HCV-infected person.
- ☐ HIV infection.
- ☐ History of hemophilia and received clotting factor concentrates prior TO 1987.
- ☐ History of unexplained liver disease or abnormal liver function test.
- ☐ Diagnosis of alcoholic hepatitis, alcohol abuse, or dependence.
- ☐ Born to a mother with HCV.
- ☐ Incarceration.

VA recommends hepatitis C screening for all patients at risk for infection. Testing requires informed consent. Verbal consent is sufficient; written consent is not required.

Testing Options

- ☒ Order anti-HCV lab test - verbal consent obtained...
- ☐ Record prior or outside Anti-HCV test and/or HCV RNA test.
- ☐ Stop Testing: HCV lab test not clinically indicated.
- ☐ Defer HCV testing for 4 months
- ☐ Patient declines HCV lab test.

Appendix A: Installation Example

Select Installation <TEST ACCOUNT> Option: INSTAll Package(s)
Select INSTALL NAME: PXRm*2.0*63 4/29/16@11:41:19
=> TDAP/Zoster/PNEUMO, HepC Screen Reminder Updates ;Created on Mar 10,
This Distribution was loaded on Apr 29, 2016@11:41:19 with header of
TDAP/Zoster/PNEUMO, HepC Screen Reminder Updates ;Created on Mar 10, 2016@08
:58:32
It consisted of the following Install(s):
PXRm*2.0*63
Checking Install for Package PXRm*2.0*63
Install Questions for PXRm*2.0*63
Incoming Files:
811.8 REMINDER EXCHANGE (including data)
Note: You already have the 'REMINDER EXCHANGE' File.
I will OVERWRITE your data with mine.
Want KIDS to INHIBIT LOGONs during the install? NO//
Want to DISABLE Scheduled Options, Menu Options, and Protocols? NO//
Enter the Device you want to print the Install messages.
You can queue the install by enter a 'Q' at the device prompt.
Enter a '^' to abort the install.
DEVICE: HOME// SSH Virtual Terminal

Install Started for PXRm*2.0*63 :
Apr 29, 2016@11:43:28
Build Distribution Date: Mar 10, 2016
Installing Routines:
Apr 29, 2016@11:43:28
Running Pre-Install Routine: PRE^PXRMP63I
DISABLE options.
DISABLE protocols.
Installing Data Dictionaries:
Apr 29, 2016@11:43:29
Installing Data:
Apr 29, 2016@11:43:32
Running Post-Install Routine: POST^PXRMP63I
ENABLE options.
ENABLE protocols.
There are 2 Reminder Exchange entries to be installed.
1. Installing Reminder Exchange entry PXRm*2.0*63 HEP C RISK SCREEN
2. Installing Reminder Exchange entry PXRm*2.0*63 TDAP ZOSTER PNEUMO
Updating Routine file...
Updating KIDS files...
PXRm*2.0*63 Installed.
Apr 29, 2016@11:49:31

Not a production UCI
PXRm*2.0*63
Install Completed

The OIT Master Glossary is available at

http://vaww.oed.wss.va.gov/process/Library/master_glossary/masterglossary.htm

Term	Definition
ASU	Authorization/Subscription Utility
Clin4	National Customer Support team that supports Clinical Reminders
CPRS	Computerized Patient Record System
DBA	Database Administration
DG	Registration and Enrollment Package namespace
ESM	Enterprise Systems Management (ESM)
FIM	Functional Independence Measure
GMTS	Health Summary namespace (also HSUM)
GUI	Graphic User Interface
HRMH/HRMHP	High Risk Mental Health Patient
IAB	Initial Assessment & Briefing
ICD-10	International Classification of Diseases, 10th Edition
ICR	Internal Control Number
IOC	Initial Operating Capabilities
LSSD	Last Service Separation Date
MH	Mental Health
MHTC	Mental Health Treatment Coordinator
OHI	Office of Health Information
OI	Office of Information
OIF/OEF	Operation Iraqi Freedom/Operation Enduring Freedom
OIT/OI&T	Office of Information Technology
OMHS	Office of Mental Health Services
ORR	Operational Readiness Review
PCS	Patient Care Services
PD	Product Development
PIMS	Patient Information Management System
PMAS	Program Management Accountability System

Term	Definition
PTM	Patch Tracker Message
PXRM	Clinical Reminder Package namespace
RSD	Requirements Specification Document
SD	Scheduling Package Namespace
SQA	Software Quality Assurance
USR	ASU package namespace
VA	Department of Veteran Affairs
VHA	Veterans Health Administration
VISN	Veterans Integrated Service Network
VistA	Veterans Health Information System and Technology Architecture