# VistA

**Update_2_0_105**

# Clinical Reminders

# Pneumococcal Reminder Updates

# Install Guide

**December 2019**

Product Development
Office of Information Technology
Department of Veterans Affairs

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# Introduction

The CDC has changed the recommendation for pneumococcal vaccination of patients 65 and older – PCV13 is no longer routinely recommended but can be used based on shared decision making with the patient.   This requires changes to both pneumococcal vaccines.  Changes to the performance measures and EPRP review criteria are in the works already.
https://www.cdc.gov/mmwr/volumes/68/wr/mm6846a5.htm

Two other reminder definitions were changed for object displays.  They are VA-OB PNEUMOCOCCAL PCV13 INDICATIONS and VA-OB PNEUMOCOCCAL PPSV23 INDICATIONS.

Changes to each definition outlined below.
**VA-PNEUMOCOCCAL IMMUNIZATION PCV13**
Cohort logic string changed From:
```
((FI(3)&FF(1))!(FI(11)&(FF(10)!FF(11)!FF(12)!FF(13)))!FI(4)!FI(13)!FI(7))&'FI
(9)&'FI(8)&'FI(14)
```

```
TO:
((FI(3)&FF(1))!(FI(11)&(FF(10)!FF(11)!FF(12)!FF(13)))!FI(4)!FI(13))&'FI(9)&'F
I(8)&'FI(14)
```

**VA-PNEUMOCOCCAL IMMUNIZATION PPSV23**
Cohort logic string changed From:
```
(((FI(3)&FF(12))!FI(4)!FI(7)!FI(18)!(FI(16)&(FF(16)!FF(17)!FF(18)!FF(19))))&F
F(22))!(((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)
```

```
TO:
(((FI(3)&FF(12))!FI(4)!FI(7)!FI(18)!(FI(16)&(FF(16)!FF(17)!FF(18)!FF(19))))&(
FF(22)!FF(32)))!(((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)
```

```
Function Finding 21 text changed to:
Age 65 or older and no prior dose of PCV13
```

```
Function Finding 22 string changed.  Requires PCV13 first and measures time
periods from PC13 to TODAY.
(((DTIME_DIFF(7,1,"DATE",19,1,"DATE","D","A")>55)&(FI(17)!(DIFF_DATE(19,1)<23
742)))!(DTIME_DIFF(7,1,"DATE",19,1,"DATE","D","A")>364)&FI(19))!(FI(15)&'FI(1
9))
```

Function Finding 32 added as NEW.  To be used in addition to FF(22) to not
require PCV13 for >65 and not immunocompromised and no prior PCV13.

Function String: FI(7)&'(FI(4)!FI(17)!FI(19))

Age 65 or older and PCV13 not given. Patient is not immunocompromised.
Patients age 65 and older with no immunocompromising condition may be
vaccinated based on shared decision making.

**Reminder Dialogs:**
Changes were made to 3 dialog elements/groups.  They are as follows:
VA-TEXT PNEUMOCOC PCV13 DETAILED GUIDANCE
VA-IM PNEUMOC VHA GUIDEANCE LINKS
VA-GP HF PNEUMOC PCV13 INCORRECT DX


**Reminder Taxonomy:**
Added SNOMED 300564004 to VA-ASPLENIA


## UPDATE_2_0_105 contains 1 Reminder Exchange entry:
UPDATE_2_0_105 PNEUMOCOCCAL UPDATES


## The exchange file contains the following components:

TIU TEMPLATE FIELD
   1   IM PNEUMO PCV13 DIAGNOSES
   2   IM PNEUMOCOCCAL VACCINE ALGORITHM
   3   IM PNEUMOCOCCAL VACCINE NCP GUIDANCE
   4   IM PCV13 CDC SHARED DECISION MAKING >64
   5   BLANK TEXT FIELD FOR DIALOGS
   6   IM PNEUMO PRECAUT WARNING
   7   IM PNEUMO CONTRA WARNING
   8   IM PNEUMO PPSV23 DIAGNOSES
   9   IM PNEUMO PPSV23 OUTSIDE RECORD
  10   IM PPSV23 LOT# EXP DATE
  11   IM COMMENT COMPLICATONS
  12   IM VIS PPSV23 URL
  13   IM VIS PPSV23 DT
  14   IM PPSV23 MANUF
  15   IM INJECTION RIGHT/LEFT
  16   IM PCV13 LOT# EXP DATE
  17   IM VIS PCV13 URL
  18   IM VIS PCV13 DT
  19   IM PCV13 MANUF
  20   IM PCV13 WARNING

IMMUNIZATION
      PNEUMOCOCCAL CONJUGATE PCV 13
      PNEUMOCOCCAL POLYSACCHARIDE PPV23
      ZOSTER LIVE

```
       MENINGOCOCCAL MCV4, UNSPECIFIED FORMULATION
       MENINGOCOCCAL MCV4P


HEALTH FACTORS
   21  VA-REMINDER UPDATES
   22  VA-UPDATE_2_0_105
   23  IMMUNIZATION
   24  PNEUMOCOCCAL PCV13 DX INCORRECT
   25  PNEUMOCOCCAL PPSV23 VACCINE PRECAUTION
   26  PNEUMOCOCCAL PPSV23 VACCINE CONTRAIND
   27  PNEUMOCOCCAL PPSV23 DX INCORRECT
   28  REFUSED PNEUMOC VACCINE PPSV23
   29  PNEUMOCOCCAL PCV13 VACCINE CONTRAIND
   30  PNEUMOCOCCAL PCV13 VACCINE PRECAUTION
   31  REFUSED PNEUMOC VACCINE PCV13


REMINDER SPONSOR
   32  VA National Center for Health Promotion and
       Disease Prevention (NCP)


REMINDER COMPUTED FINDINGS
       VA-AGE
       VA-REMINDER DEFINITION
       VA-ASU USER CLASS
       VA-ALLERGY
       VA-DATE OF BIRTH


REMINDER TAXONOMY
   33  VA-PNEUMOC DZ RISK - IMMUNOCOMPROMISED
   34  VA-PNEUMOC DZ RISK - HIGHEST/NOT IMMUNO COMP
   35  VA-PNEUMOC DZ RISK - CHEMOTHERAPY
   36  VA-PNEUMOC DZ RISK - HIGH
   37  VA-PNEUMOC PPSV23 IMMUNIZATION
   38  VA-PNEUMOC PCV13 IMMUNIZATION


REMINDER TERM
   39  VA-REMINDER UPDATE_2_0_105
   40  VA-PNEUMOC DZ RISK - IMMUNOCOMPROMISED
   41  VA-PNEUMOC DZ RISK - HIGHEST/NOT IMMUNO COMP
   42  STEROIDS - PNEUMOCOCCAL DZ RISK
   43  VA-PNEUMOC DZ RISK - LONG TERM STEROIDS
   44  VA-PNEUMOC DZ RISK - CHEMO/IMMUNOSUPP DRUGS
   45  VA-PNEUMOC DZ RISK - HIGH
   46  VA-BL PNEUMOC RECENT CHEMO/IMMUNOSUPPRESSION
   47  VA-BL PNEUMOC RECENT CHEMOTHERAPY (ICD ONLY)
   48  VA-PNEUMOC PCV13 IMMUNIZATION
   49  VA-PNEUMOC PPSV23 IMMUNIZATION
   50  VA-AGE >64
   51  VA-PNEUMOC PPSV23 ORDER SUPPRESSION
   52  VA-ZOSTER IMMUNIZATION 1Y
   53  VA-PNEUMOC PCV13 DX INCORRECT
   54  VA-BL PNEUMOC RISK IC/CH
   55  VA-PNEUMOC PCV13 CONTRAINDICATION
   56  VA-PNEUMOC PPSV23 DEFERRALS
```

```
   57   VA-PNEUMOC PPSV23 INCORRECT DIAGNOSIS
   58   VA-PNEUMOC PPSV23 CONTRAINDICATIONS
   59   VA-PNEUMOC PPSV23 ORDERS
   60   VA-PNEUMOC PCV13 ORDER SUPPRESSION
   61   VA-MENING VACCINES DIPHTHERIA CONJUGATE
   62   VA-PNEUMOC PCV13 DEFERRALS
   63   VA-PNEUMOC PCV13 ORDERS

REMINDER DEFINITION
   64   LONG TERM STEROID USE
   65   VA-OB PNEUMOCOCCAL PPSV23 INDICATIONS
   66   VA-OB PNEUMOCOCCAL PCV13 INDICATIONS
   67   VA-BL PNEUMOC RECENT CHEMO/IMMUNOSUPPRESSION
   68   VA-OB PNEUMOCOCCAL PRIOR VACCINATIONS
   69   VA-BL PNEUMOC RISK IMMUNOCOMPROMISED
   70   VA-PNEUMOCOCCAL IMMUNIZATION PPSV23
   71   VA-PNEUMOCOCCAL IMMUNIZATION PCV13

REMINDER DIALOG
   72   VA-UPDATE_2_0_105 DIALOG ITEMS
   73   VA-PNEUMOCOCCAL IMMUNIZATION PPSV23 PNEUMOVAX
   74   VA-PNEUMOCOCCAL IMMUNIZATION PCV13 PREVNAR

HEALTH SUMMARY COMPONENT
        CLINICAL REMINDERS FINDINGS

HEALTH SUMMARY TYPE
   75   OB PNEUMOC IMMUNIZATIONS
   76   OB PPSV23 INDICATIONS
   77   OB PCV13 INDICATIONS

HEALTH SUMMARY OBJECTS
   78   PNEUMOCOCCAL IMMUNIZATIONS (TIU)
   79   PPSV23 INDICATIONS (TIU)
   80   PCV13 INDICATIONS (TIU)

TIU DOCUMENT DEFINITION
   81   PNEUMOCOCCAL IMMUNIZATIONS
   82   PPSV23 INDICATIONS
   83   PCV13 INDICATIONS
```

# Install Details

This update is being distributed as a web host file.  The address for the host file is:
**http://vista.med.va.gov/reminders/UPDATE_2_0_105.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 20 minutes.

## Install Example

If your site is unable to use LWH functionality, you will use vista mail to install the exchange file. The subject of the email will be UPDATE_2_0_105. You will see a message similar to this one.

MailMan message 131677 successfully loaded.

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

```
+            + Next Screen   - Prev Screen   ?? More Actions              >>>
CFE  Create Exchange File Entry        LHF  Load Host File
CHF  Create Host File                  LMM  Load MailMan Message
CMM  Create MailMan Message            LWH  Load Web Host File
DFE  Delete Exchange File Entry        RI   Reminder Definition Inquiry
IFE  Install Exchange File Entry       RP   Repack
IH   Installation History
Select Action: Next Screen// LWH    Load Web Host File  <────
Input the URL for the .prd file: http://vista.med.va.gov/reminders/UPDATE_2_0_105.PRD
```

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:
**http://vista.med.va.gov/reminders/UPDATE_2_0_105.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_105 PNEUMOCOCCAL UPDATES** in reminder exchange

```
+Item  Entry                         Source                     Date Packed
   306  UPDATE_2_0_105 PNEUMOCOCCAL   MONTGOMERY@SALT LAKE CI  12/05/2019@06:34
        UPDATES
   307  UPDATE_2_0_105 PNEUMOCOCCAL   MONTGOMERY@SALT LAKE CI  12/05/2019@10:37
        UPDATES
   308  UPDATE_2_0_105 PNEUMOCOCCAL   MONTGOMERY@SALT LAKE CI  12/26/2019@05:31
        UPDATES
   309  UPDATE_2_0_11 BENZODIAZEPINE/O SILVERMAN@SALT LAKE CI  04/14/2016@13:40
        PIOID ORDER CHECK
   310  UPDATE_2_0_12 VA-DIFFICULT    GRIFFITH@SALT LAKE CI    03/10/2016@14:12
        AIRWAY
+           + Next Screen   - Prev Screen   ?? More Actions                >>>
CFE  Create Exchange File Entry      LHF  Load Host File
CHF  Create Host File                LMM  Load MailMan Message
CMM  Create MailMan Message          LWH  Load Web Host File
DFE  Delete Exchange File Entry      RI   Reminder Definition Inquiry
IFE  Install Exchange File Entry     RP   Repack
IH   Installation History
Select Action: Next Screen// IFE   Install Exchange File Entry
Enter a list or range of numbers (1-663): 308
```

At the **Select Action** prompt, enter **IFE** for Install Exchange File Entry
Enter the number that corresponds with your entry titled **UPDATE_2_0_105
PNEUMOCOCCAL UPDATES** *(in this example it is entry 308, it will vary by site).  Make
sure the date of the exchange file is* `12/26/2019@05:31:47`

```
      Component                                          Category      Exists
Source:      MONTGOMERY,ALAN at SALT LAKE CITY
Date Packed: 12/26/2019@05:31:47
Package Version: 2.0P35


Description:
The following Clinical Reminder items were selected for packing:
REMINDER DIALOG
  VA-UPDATE_2_0_105 DIALOG ITEMS


REMINDER TERM
  VA-REMINDER UPDATE_2_0_105


REMINDER DEFINITION
  VA-OB PNEUMOCOCCAL PCV13 INDICATIONS
  VA-OB PNEUMOCOCCAL PPSV23 INDICATIONS
  VA-PNEUMOCOCCAL IMMUNIZATION PPSV23
+            Enter ?? for more actions                                    >>>
IA   Install all Components           IS   Install Selected Component
Select Action: Next Screen// IA
```

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

During the installation, you will see several prompts:  *Note that you will Install all new components*

1.  Any component that is new, use the INSTALL action.
2.  Any component that exists, but is different, use the OVERWRITE action.
       a.  Taxonomies
       b.  Reminder Definitions
       c.  Health Summary Type
3.  For any Reminder Term, if the packed component exists, but is different, use the MERGE action

**You will be promped to install first the dialog component:** `VA-UPDATE_2_0_105`
`DIALOG ITEMS`

```
Dialog Components              Dec 05, 2019@08:44:02         Page:    1 of    1
Packed reminder dialog: VA-UPDATE_2_0_105 DIALOG ITEMS [NATIONAL DIALOG]

 Item  Seq. Dialog Findings                             Type       Exists
   1      VA-UPDATE_2_0_105 DIALOG ITEMS                group
           Finding: *NONE*

   2    5 VA-TEXT PNEUMOCOC PCV13 DETAILED GUIDANCE     element      X
           Finding: *NONE*

   3    10 VA-IM PNEUMOC VHA GUIDANCE LINKS             element      X
           Finding: *NONE*

   4    15 VA-GP HF PNEUMOC PCV13 INCORRECT DX          group        X
           Finding: PNEUMOCOCCAL PCV13 DX INCORRECT (HEALTH FACTOR)   X
   5    15.5 VA-TEXT PNEUMOC PCV13 INCORRECT DX         element      X
           Finding: *NONE*




        + Next Screen    - Prev Screen   ?? More Actions
DD   Dialog Details     DT   Dialog Text        IS   Install Selected
DF   Dialog Findings    DU   Dialog Usage       QU   Quit
DS   Dialog Summary     IA   Install All
Select Action: Quit// IA
```

At the **Select Action** prompt, type **IA** to install the dialog – **VA-UPDATE_2_0_105 DIALOG ITEMS**

Select Action: Next Screen// IA   Install All

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

---

```
Dialog Components                 Dec 05, 2019@08:46:07          Page:    1 of    1
Packed reminder dialog: VA-UPDATE_2_0_105 DIALOG ITEMS [NATIONAL DIALOG]
VA-UPDATE_2_0_105 DIALOG ITEMS (group) installed from exchange file.
  Item  Seq. Dialog Findings                                    Type    Exists
    1     VA-UPDATE_2_0_105 DIALOG ITEMS                        group      X
            Finding: *NONE*

    2    5 VA-TEXT PNEUMOCOC PCV13 DETAILED GUIDANCE            element    X
            Finding: *NONE*

    3   10 VA-IM PNEUMOC VHA GUIDANCE LINKS                     element    X
            Finding: *NONE*

    4   15 VA-GP HF PNEUMOC PCV13 INCORRECT DX                  group      X
            Finding: PNEUMOCOCCAL PCV13 DX INCORRECT (HEALTH FACTOR)       X
    5   15.5 VA-TEXT PNEUMOC PCV13 INCORRECT DX                 element    X
            Finding: *NONE*



         + Next Screen    - Prev Screen   ?? More Actions
DD   Dialog Details      DT   Dialog Text        IS   Install Selected
DF   Dialog Findings     DU   Dialog Usage       QU   Quit
DS   Dialog Summary      IA   Install All
Select Action: Quit// Q
```

When the dialog has completed installation, you will then be returned to this screen. At the **Select Action** prompt, type **Q.**
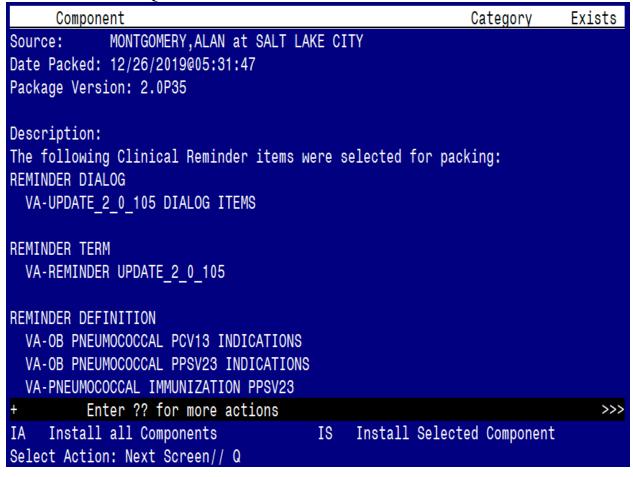
**You will be prompted to install second the dialog component:** VA-PNEUMOCOCCAL
IMMUNIZATION PPSV23 PNEUMOVAX. <mark>DO NOT INSTALL THIS!! USE THE QUIT ACTION</mark>

```
Dialog Components                Dec 05, 2019@08:47:24       Page:    1 of    10
Packed reminder dialog: VA-PNEUMOCOCCAL IMMUNIZATION PPSV23 PNEUMOVAX [NATIONAL

 Item  Seq. Dialog Findings                                  Type     Exists
   1      VA-PNEUMOCOCCAL IMMUNIZATION PPSV23 PNEUMOVAX       dialog     X

   2    5 VA-TEXT PNEUMOVAX HEADER                            element    X
          Finding: *NONE*

   3    10 VA-GP TEXT PNEUMOC PPSV23 WARNING                   group     X
          Finding: *NONE*
   4    10.4 VA-GP IM PNEUMOC VHA GUIDANCE LINKS               group     X
          Finding: *NONE*
   5    10.4.5 VA-IM PNEUMOC VHA GUIDANCE LINKS               element    X
          Finding: *NONE*

   6    12 VA-TEXT BLANK LINE WITH TEMPLATE FIELD             element    X
          Finding: *NONE*

+            + Next Screen    - Prev Screen    ?? More Actions
DD    Dialog Details        DT    Dialog Text        IS    Install Selected
DF    Dialog Findings       DU    Dialog Usage       QU    Quit
DS    Dialog Summary        IA    Install All
Select Action: Next Screen// Q
```

**You will be prompted to install third the dialog component:** `VA-PNEUMOCOCCAL`
`IMMUNIZATION PCV13 PREVNAR.` <mark>DO NOT INSTALL THIS!! USE THE QUIT ACTION</mark>

```
Dialog Components              Dec 05, 2019@08:49:33          Page:    1 of    9
Packed reminder dialog: VA-PNEUMOCOCCAL IMMUNIZATION PCV13 PREVNAR [NATIONAL DIA

  Item  Seq. Dialog Findings                                 Type     Exists
    1     VA-PNEUMOCOCCAL IMMUNIZATION PCV13 PREVNAR          dialog      X

    2   5 VA-TEXT PREVNAR13 HEADER                            element     X
            Finding: *NONE*

    3   10 VA-GP TEXT PNEUMOC PCV13 WARNING                   group       X
            Finding: *NONE*
    4   10.4 VA-GP TEXT PNEUMOC PCV13 INSTRUCTIONS PARENT     group       X
            Finding: *NONE*
    5   10.4.5 VA-TEXT PNEUMOCOC PCV13 DETAILED GUIDANCE      element     X
            Finding: *NONE*

    6   12 VA-TEXT BLANK LINE WITH TEMPLATE FIELD             element     X
            Finding: *NONE*


+          + Next Screen   - Prev Screen   ?? More Actions
DD   Dialog Details      DT   Dialog Text        IS    Install Selected
DF   Dialog Findings     DU   Dialog Usage       QU    Quit
DS   Dialog Summary      IA   Install All
Select Action: Next Screen// Q
```

You will then use the QUIT action to exit the install

```
     Component                                      Category    Exists
 _____
Source:      MONTGOMERY,ALAN at SALT LAKE CITY
Date Packed: 12/26/2019@05:31:47
Package Version: 2.0P35


Description:
The following Clinical Reminder items were selected for packing:
REMINDER DIALOG
  VA-UPDATE_2_0_105 DIALOG ITEMS


REMINDER TERM
  VA-REMINDER UPDATE_2_0_105


REMINDER DEFINITION
  VA-OB PNEUMOCOCCAL PCV13 INDICATIONS
  VA-OB PNEUMOCOCCAL PPSV23 INDICATIONS
  VA-PNEUMOCOCCAL IMMUNIZATION PPSV23
+          Enter ?? for more actions                                   >>>
IA   Install all Components           IS    Install Selected Component
Select Action: Next Screen// Q
```

# Post Installation

**Check to make sure that all changes have been made from the introduction section of this guide.**

*NOTE: If you require further technical assistance, if there are any questions or problems during the installation, please notify your local IT support to log a national help desk ticket or contact the VA Service 520.*
*Desk and have them submit a national ticket to:*
*Category: Enterprise Applications*
*Enterprise Application: VistA - Clinical Reminders*
*Assignment Group: NTL SUP Clin 2*