![VistA]

Update_2_0_14

Clinical Reminders

Human Papillovirus (HPV)

INSTALLATION and SETUP GUIDE

February 2017

Product Development
Department of Veterans Affairs

Contents

Introduction

UPDATE_2_0_14 includes a new National Clinical reminder for HPV. It contains 1 Reminder Exchange entry: UPDATE_2_0_14 VA-HPV IMMUNIZATION

This update will update the following reminder content:

1. Reminders Definitions:
   VA-HPV PRIOR IMMUNIZATIONS (OBJECT)
   VA-HPV DECLINE PERMANENTLY
   VA-HPV BL SERIES 2 VACCINES
   VA-HUMAN PAPILLOMAVIRUS (HPV) IMMUNIZATION

2. Reminder Dialog
   VA-HUMAN PAPILLOMAVIRUS (HPV) VACCINE

3. Reminder Taxonomies
   VA-IMMUNOCOMPROMISED
   VA-TERMINAL CANCER PATIENTS

4. Terms
   VA-HPV VACCINES
   VA-HPV DECLINE VACCINE PERMANENTLY (BL)
   VA-HPV ADMINISTRATION SUPPRESSION
   VA-HPV BL SERIES 2 VACCINES
   VA-HPV ORDER SUPPRESSION
   VA-HPV VACCINE PRECAUTION
   VA-HPV VACCINE ORDERED
   VA-HPV VACCINE DECLINED
   VA-HPV VACCINE DECLINED PERMANENTLY
   VA-HPV VACCINE CONTRAINDICATED
   VA-HPV VACCINES SERIES 2
   VA-HPV VACCINES SERIES COMPLETE
   VA-LIFE EXPECTANCY < 6 MONTHS
   VA-IMMUNOCOMPROMISED

5. Health Factors
   HPV
   HPV DECLINED PERMANENTLY
   HPV PRECAUTION
   HPV CONTRAINDICATED
   HPV DECLINED
   REMINDER FACTORS

LIFE EXPECTANCY < 6 MONTHS

6. TIU Template Field
BLANK SPACE1
BLANK TEXT FIELD FOR DIALOGS
VIS HPV GARDASIL-9
IM VIS HPV GARDASIL-9 DT
IM COMMENT COMPLICATONS
IM HPV LOT# EXP DATE
IM HPV MANUF
IM INJECTION SQ SITE
IM INJECTION RIGHT/LEFT
CDC HPV VACCINE RECOMMENDATIONS
NCP HPV GUIDANCE

7. Health Summary Type
HPV IMMUNIZATIONS

8. TIU Object
HPV IMMUNIZATIONS

New national reminder VA-HUMAN PAPILLOMAVIRUS (HPV) VACCINE
Description:

VHA recommends HPV immunization (unless contraindicated) for women ages 19-26 and men ages 19-21 who have not been previously vaccinated and/or who have not completed the full 3 dose series.

VHA recommends HPV immunization (unless contraindicated) for men ages 22-26 who are:

- **immunocompromised including those with HIV or**
- **men who have sex with men (MSM)**

and who have not been previously vaccinated and/or who have not completed the full 3 dose series. Other men in this age group *may receive* the vaccine (<u>permissive recommendation</u>) on a case by case basis based on patient preference.

How the HPV reminder work:
1. Only one reminder definition, but will be due a maximum of three different times for each of the three series vaccinations.
   a. 1st Dose due with no vaccine history
   b. 2nd Dose due 2 months after 1st dose
   c. 3rd Dose due 4 months after 2nd dose
2. Any documented HPV product (2vHPV (HPV, BIVALENT), 4vHPV (HPV, QUADRIVALENT), or 9vHPV (HPV9)) will resolve the reminder for each series.
3. Branching logic within in the dialog displays the appropriate series needed. A suppressed option will be replaced with a statement to author that dose has been given previously.
   a. 1st dose option will be suppressed if patient has received any HPV vaccine at any point in time (example below).
   b. 2nd dose option will be suppressed if patient has received any HPV vaccine documented as "Series 2" or any 2 HPV vaccines with administration dates within at least 1 month apart.

```
HPV VACCINE

 O Order HPV vaccine
 ⦿ Document administration of HPV vaccine today

    The first dose if the HPV vaccine has been documented previously. See HPV vaccine history below for details.
    O 2nd dose (series 2)
    O 3rd dose (series complete)

 O Record prior HPV vaccination (historical)
       (Note: written documentation is required before entering this
              information.)
 O Deferral/Refusal


☑ View prior HPV immunizations


   Prior HPV Immunizations

       Information:
        Immunization: HPV9
         11/06/2015@06:45:54 series - SERIES 1
```

4. Each vaccine series option has an embedded forced value to properly document series number with immunization finding, so the series prompt will not display to the author.
5. The dialog section for documenting historical HPV vaccines offers the author the ability to document multiple vaccinations and provides choices for HPVAL-2, HPVAL-4, HPVAL-9, and unspecified formulation vaccine (displayed below).

```
       ☑ 2nd dose (series 2) given previously

         O Unpecified formulation
         O HPV-2 (Bivalent)
         O HPV-4 (Quadrivalent)
         O HPV-9
```
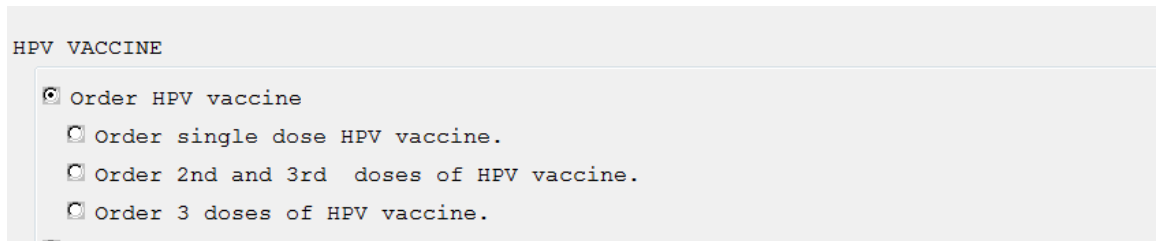
6. Cohort is men and women 19-26 years old, excluding those with an allergy or life expectancy <6 months. This cohort varies slightly from the VHA recommendation for males. There is no consistent way to capture the criteria for males age 22-26. This will be up to the provider to decide if the Immunization is appropriate

7. Resolved with documentation of vaccination, vaccination order, patient declines, and a contraindication or precaution documentation.
    a. A vaccination order resolves the reminder for 3 months. Elements are in the dialog for ordering a single dose up to three doses at the appropriate interval. Sites will need to map to appropriate local orders (displayed below). The order options can be turned off through branching logic for sites that need to remove the ability to order vaccinations from the dialog.

```
HPV VACCINE

  ⦿ Order HPV vaccine
    ⦾ Order single dose HPV vaccine.
    ⦾ Order 2nd and 3rd  doses of HPV vaccine.
    ⦾ Order 3 doses of HPV vaccine.
```

    b. Two options for documenting that a patient declines are in the dialog. One option resolves the reminder for 3 months; the second is for the patient to decline the vaccination permanently. The option to decline permanently will only display for patients within the permissive category, which includes males, 22-26 years old, and not immunocompromised.
    c. A documented contraindication will make the reminder not applicable.
    d. A documented precaution will resolve the reminder for 6 months.
8. The reminder dialog attached to the definition contains five groups with embedded branching logic. Instructions are located in the post-install section of the install guide.

    a. **VAL-HPV ORDER OPTIONS** group has branching logic to suppress the ordering capability in the dialog if needed.
    b. **VA-HPV ADMIN TODAY SERIES** group has branching logic to suppress the capability to document vaccine administration if needed.
    c. **VA-HPV ADMIN TODAY SERIES 1** group has branching logic to suppress the option of documenting a HPV series 1 vaccination if this has already been documented in the patient's record.
    d. **VA-HPV ADMIN TODAY SERIES 2** group has branching logic to suppress the option of documenting a HPV series 2 vaccination if this has already been documented in the patient's record.
    e. **VA-HPV DECLINE VACCINE PERMANENTLY** group has branching logic to suppress the option to permanently decline HPV vaccinations.

Terms used in the logic:

VA-HPV ADMINISTRATION SUPPRESSION
This term is released with two computed findings, VA-ASU USER CLASS and VA-AGE for sites to suppress the vaccine administration documentation options in the reminder dialog if needed. The dialog is deployed with these options displaying in the note.

<u>VA- HPV ORDER SUPPRESSION</u>
This term is released with two computed findings, VA-ASU USER CLASS and VA-AGE for sites to suppress the ordering options in the reminder dialog if needed. The dialog is deployed with these options displaying in the note.

<u>VA-HPV VACCINE CONTRAINDICATED</u>
This term is released with the health factor HPV CONTRAINDICATED and computed findings mapped to allergy ingredients. The term is used to permanently resolve the reminder. Map any local findings that meet the intent of this term.

<u>VA-HPV VACCINE DECLINED</u>
This term is released with the health factors HPV DECLINED. HPV DECLINED has a Beginning Date/Time of "T-3M" to resolve the reminder for 3 months. Map any local findings that meet the intent of this term.

<u>VA-HPV VACCINE DECLINED PERMANENTLY</u>
This term is released with the health factor HPV DECLINED PERMANENTLY. Map any local findings that meet the intent of this term.

<u>VA-HPV VACCINE PRECAUTION</u>
This term is released with the health factor HPV PRECAUTION. The term is used to resolve the reminder for 6 months due to a vaccine precaution. Map any local findings that meet the intent of this term.

<u>VA-HPV VACCINE ORDERED</u>
This term is released without any findings. The term is used in the reminder definition to resolve the reminder for 2 months for an active order to administer the HPV vaccine. Map any local findings, including orderable items that meet the intent of this term. Any orderable item added will be evaluated as true is the order status is Active, Pending, Renewed, or Scheduled.

<u>VA-HPV VACCINES</u>
This term is released with the immunization findings listed below. The term is used in the reminder definition to search for up to three occurrences of any of the immunization findings for the HPV vaccine. Map any local findings that meet the intent of this term.

Finding Item: HPV, BIVALENT (FI(1)
Finding Type: IMMUNIZATION

Finding Item: HPV, QUADRIVALENT (FI(2)
Finding Type: IMMUNIZATION

Finding Item: HPV, UNSPECIFIED FORMULATION (FI(3)
Finding Type: IMMUNIZATION

Finding Item: HPV9 (FI(4)
Finding Type: IMMUNIZATION

VA-HPV VACCINES SERIES 2
This term is released with the immunization findings listed below with the condition set to look only for series 2 immunizations. The term is used in the reminder definition to search for HPV immunizations documented as series 2 doses. Map any local findings that meet the intent of this term ensuring to set the Condition fields as below.

Finding Item: HPV, BIVALENT (FI(1)=IM(1118))
Finding Type: IMMUNIZATION
  Condition: I V("SERIES")=2

Finding Item: HPV, QUADRIVALENT (FI(2)=IM(1062))
Finding Type: IMMUNIZATION
  Condition: I V("SERIES")=2

Finding Item: HPV, UNSPECIFIED FORMULATION (FI(3)=IM(1137))
Finding Type: IMMUNIZATION
  Condition: I V("SERIES")=2

Finding Item: HPV9 (FI(4)=IM(1808))
Finding Type: IMMUNIZATION
  Condition: I V("SERIES")=2

VA-HPV VACCINES SERIES COMPLETE
This term is released with the immunization findings listed below with the condition set to look only for series 3 or complete immunizations. The term is used in the reminder definition to search for HPV immunizations documented as series 3 or that completes the vaccination. Map any local findings that meet the intent of this term ensuring to set the Condition fields as below.

Finding Item: HPV, BIVALENT (FI(1)=IM(1118))
Finding Type: IMMUNIZATION
Condition: I V("SERIES")="C"!(V("SERIES")="3")

Finding Item: HPV, QUADRIVALENT (FI(2)=IM(1062))
Finding Type: IMMUNIZATION
Condition: I V("SERIES")="C"!(V("SERIES")="3")

Finding Item: HPV, UNSPECIFIED FORMULATION (FI(3)=IM(1137))
Finding Type: IMMUNIZATION
Condition: I V("SERIES")="C"!(V("SERIES")="3")

Finding Item: HPV9 (FI(4)=IM(1808))
Finding Type: IMMUNIZATION
Condition: I V("SERIES")="C"!(V("SERIES")="3")

VA-LIFE EXPECTANCY <6 MONTHS
This term is released with the health factor LIFE EXPECTANCY < 6 MONTHS and taxonomy
VA-TERMINAL CANCER PATIENTS. Map any local findings that identify patients with a
terminal illness.

VA-IMMUNOCOMPROMISED
This term is released with the taxonomy VA-IMMUNOCOMPROMISED. Map any local
findings that meet the intent of this term.

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_14.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 five minutes.

Pre-Install

1. Check local reminders for a HPV reminder.

   a) Identify any local health factors that represent the same concept as health factors included in this
      patch. After installation add the appropriate health factor to the appropriate term described.

   b) Identify local orderable items used in orders for HPV vaccine administration. After installation
      add appropriate orderable items to the appropriate terms described.

   c) Make a copy of the reminder inquiry details of any local HPV reminders. This information can
      be used to ensure the new reminders include local findings from previous versions.

Install Example

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

```
Item  Entry                           Source                    Date Packed
    1  691 PALLIATIVE CONSULT          AUSTIN@WEST LA VAMC       03/09/2011@10:42
       VERSION 3.0 (3/9/11)
    2  AJM IMMUNIZATION SERIES         MONTGOMERY@BEDFORD VAMC   03/22/2011@10:57
    3  AJM PN FOR BECKY                MONTGOMERY@BEDFORD VAMC   04/13/2011@19:09
    4  AJM PN FOR BECKY                MONTGOMERY@BEDFORD VAMC   04/14/2011@09:49
    5  AJM PXNAT TEST                  MONTGOMERY@BEDFORD VAMC   04/11/2011@15:56
    6  BOINUR NHCU ADL REMINDER        MOORE@BOISE VAMC          03/13/2007@14:41
    7  DEPRESSION/PTSD REMINDER TERM   VOLPP@NORTHERN CAL        02/26/2010@12:07
       UPDATES - PATCH 17
    8  ECOE REMINDER DIALOGS           CARTER@SALT LAKE CI       08/28/2013@09:38
+           + 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          LR   List Reminder Definitions
DFE  Delete Exchange File Entry      LWH  Load Web Host File
IFE  Install Exchange File Entry     RI   Reminder Definition Inquiry
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_14.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_14.PRD

```
http://vista.med.va.gov/reminders/UPDATE_2_0_14.PRD successfully loaded.
```

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_14 VA-HPV IMMUNIZATION in reminder exchange

```
+Item  Entry                        Source              Date Packed
    61  UPDATE_2_0_14 VA-HPV IMMUNIZAT  GRIFFITH@SALT LAKE CI  07/20/2016@08:40
        ION
    62  UPDATE_2_0_14 VA-HPV IMMUNIZAT  FAHNER@SALT LAKE CI    12/20/2016@11:11
        ION
    63  UPDATE_2_0_17 VA-WH PRECONCEPT  GRIFFITH@SALT LAKE CI  09/22/2016@07:53
        ION CARE
    64  UPDATE_2_0_17 VA-WH PRECONCEPT  GRIFFITH@SALT LAKE CI  11/14/2016@09:36
        ION CARE
    65  UPDATE_2_0_18 MISC UPDATE 2     GRIFFITH@SALT LAKE CI  10/20/2016@12:42
    66  UPDATE_2_0_19 VA-CSC INITIAL    GRIFFITH@SALT LAKE CI  01/31/2017@12:14
+           + 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          LR   List Reminder Definitions
DFE  Delete Exchange File Entry      LWH  Load Web Host File
IFE  Install Exchange File Entry     RI   Reminder Definition Inquiry
IH   Installation History
Select Action: Next Screen// 62
```

In the example above, there are 2 entries for UPDATE_2_0_14 VA-HPV IMMUNIZATION. Make sure you choose the one with date of **12/20/2016@11:11**
Your system should only have 1 entry, but in the event there are move than 1, follow step above.

At the **Select Action** prompt, enter **IFE** for Install Exchange File Entry
Enter the number that corresponds with your entry titled UPDATE_2_0_14 VA- HPV
IMMUNIZATION *(in this example it is entry 62, it will vary by site)*

```
     Component                                        Category    Exists
Source:      FAHNER,JEFF at SALT LAKE CITY
Date Packed: 12/20/2016@11:11:30
Package Version: 2.0P62


Description:
HPV IMMUNIZATION:
One complete series consisting of 3 doses is recommended (unless
contraindicated) for:


 - Women ages 19-26;
 - Men ages 19-21 who have not been previously vaccinated and/or who have
   not completed the full 3 dose series;
 - Men ages 22-26 who are immunocompromised including those with HIV or
   men who have sex with men (MSM) and who have not been previously
   vaccinated and/or who have not completed the full 3 dose series. Other
   men in this age group may receive the vaccine (permissive
+         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.

Here is the detail on the installation including the prompts you could see during installation and how you should answer them. It is possible you will not see exactly what is below…Here are a few rules to follow when doing the install.

1. If a component is NEW, use the INSTALL action
2. If a component exists, but the packed component is different, use the OVERWRITE action *unless* it is a REMINDER TERM, then use the MERGE option

TIU TEMPLATE FIELD entry named BLANK SPACE1 already exists and the
packed component is identical, skipping.
 TIU TEMPLATE FIELD entry named BLANK TEXT FIELD FOR DIALOGS already
exists and the packed component is identical, skipping.
 TIU TEMPLATE FIELD entry VIS HPV GARDASIL-9 is NEW,
what do you want to do?
    Select one of the following:
        C   Create a new entry by copying to a new name

```
        I        Install
        Q        Quit the install
        S        Skip, do not install this entry
Enter response: I// nstall
TIU TEMPLATE FIELD entry IM VIS HPV GARDASIL-9 DT is NEW,
what do you want to do?
    Select one of the following:
        C        Create a new entry by copying to a new name
        I        Install
        Q        Quit the install
        S        Skip, do not install this entry
Enter response: I// nstall
```

TIU TEMPLATE FIELD entry named IM COMMENT COMPLICATONS already exists
and the packed component is identical, skipping.
TIU TEMPLATE FIELD entry IM HPV LOT# EXP DATE is NEW,
what do you want to do?

```
    Select one of the following:
        C        Create a new entry by copying to a new name
        I        Install
        Q        Quit the install
        S        Skip, do not install this entry
Enter response: I// nstall
```

TIU TEMPLATE FIELD entry IM HPV MANUF is NEW,
what do you want to do?

```
    Select one of the following:
        C        Create a new entry by copying to a new name
        I        Install
        Q        Quit the install
        S        Skip, do not install this entry
Enter response: I// nstall
```

TIU TEMPLATE FIELD entry named IM INJECTION SQ SITE already exists
and the packed component is identical, skipping.
TIU TEMPLATE FIELD entry named IM INJECTION RIGHT/LEFT already exists
and the packed component is identical, skipping.
TIU TEMPLATE FIELD entry CDC HPV VACCINE RECOMMENDATIONS is NEW,
what do you want to do?

```
    Select one of the following:
        C        Create a new entry by copying to a new name
        I        Install
        Q        Quit the install
        S        Skip, do not install this entry
Enter response: I// nstall
```

TIU TEMPLATE FIELD entry NCP HPV GUIDANCE is NEW,
what do you want to do?

```
    Select one of the following:
        C        Create a new entry by copying to a new name
```

I   Install
            Q   Quit the install
            S   Skip, do not install this entry
Enter response: <mark>I// nstall</mark>
HEALTH FACTORS entry VA-HPV is NEW,
what do you want to do?
      Select one of the following:
            C   Create a new entry by copying to a new name
            I   Install
            Q   Quit the install
            S   Skip, do not install this entry
Enter response: <mark>I// nstall</mark>

HEALTH FACTORS entry HPV DECLINED PERMANENTLY is NEW,
what do you want to do?
      Select one of the following:
            C   Create a new entry by copying to a new name
            I   Install
            Q   Quit the install
            S   Skip, do not install this entry
Enter response: <mark>I// nstall</mark>
HEALTH FACTORS entry HPV PRECAUTION is NEW,
what do you want to do?
      Select one of the following:
            C   Create a new entry by copying to a new name
            I   Install
            Q   Quit the install
            S   Skip, do not install this entry
Enter response: <mark>I// nstall</mark>

HEALTH FACTORS entry HPV CONTRAINDICATED is NEW,
what do you want to do?
      Select one of the following:
            C   Create a new entry by copying to a new name
            I   Install
            Q   Quit the install
            S   Skip, do not install this entry
Enter response: <mark>I// nstall</mark>

REMINDER TERM entry VA-HPV VACCINE DECLINED PERMANENTLY is NEW,
what do you want to do?

      Select one of the following:

            C   Create a new entry by copying to a new name
            I   Install

Q   Quit the install
S   Skip, do not install this entry

Enter response: I// nstall

HEALTH FACTORS entry HPV DECLINED is NEW,
what do you want to do?
    Select one of the following:
        C   Create a new entry by copying to a new name
        I   Install
        Q   Quit the install
        S   Skip, do not install this entry
Enter response: I// nstall
HEALTH FACTORS entry named REMINDER FACTORS already exists and the
packed component is identical, skipping.
HEALTH FACTORS entry named LIFE EXPECTANCY < 6 MONTHS already exists
and the packed component is identical, skipping.
REMINDER SPONSOR entry named Office of Mental Health Services already
exists and the packed component is identical, skipping.
REMINDER SPONSOR entry named National Center for Health Promotion and
Disease Prevention (NCP) already exists and the packed component is
identical, skipping.

REMINDER TAXONOMY entry named VA-IMMUNOCOMPROMISED already exists but
the packed component is different, what do you want to do?
    Select one of the following:
        C   Create a new entry by copying to a new name
        O   Overwrite the current entry
        U   Update
        Q   Quit the install
        S   Skip, do not install this entry
Enter response: O// verwrite the current entry
Are you sure you want to overwrite? N// YES

REMINDER TAXONOMY entry named VA-TERMINAL CANCER PATIENTS already
exists but the packed component is different, what do you want to do?
    Select one of the following:
        C   Create a new entry by copying to a new name
        O   Overwrite the current entry
        U   Update
        Q   Quit the install
        S   Skip, do not install this entry
Enter response: O// verwrite the current entry
Are you sure you want to overwrite? N// YES

REMINDER TERM entry VA-HPV VACCINES is NEW,
what do you want to do?
    Select one of the following:
        C   Create a new entry by copying to a new name
        I   Install
        Q   Quit the install
        S   Skip, do not install this entry
Enter response: I// nstall

REMINDER TERM entry VA-HPV DECLINE VACCINE PERMANENTLY (BL) is NEW,
what do you want to do?
    Select one of the following:
        C   Create a new entry by copying to a new name
        I   Install
        Q   Quit the install
        S   Skip, do not install this entry
Enter response: I// nstall
REMINDER TERM entry VA-HPV ADMINISTRATION SUPPRESSION is NEW,
what do you want to do?
    Select one of the following:
        C   Create a new entry by copying to a new name
        I   Install
        Q   Quit the install
        S   Skip, do not install this entry
Enter response: I// nstall
REMINDER TERM entry VA-HPV BL SERIES 2 VACCINES is NEW,
what do you want to do?
    Select one of the following:
        C   Create a new entry by copying to a new name
        I   Install
        Q   Quit the install
        S   Skip, do not install this entry
Enter response: I// nstall
REMINDER TERM entry VA-HPV ORDER SUPPRESSION is NEW,
what do you want to do?
    Select one of the following:
        C   Create a new entry by copying to a new name
        I   Install
        Q   Quit the install
        S   Skip, do not install this entry
Enter response: I// nstall

REMINDER TERM entry VA-HPV VACCINE PRECAUTION is NEW,
what do you want to do?
    Select one of the following:
        C   Create a new entry by copying to a new name
        I   Install
        Q   Quit the install
        S   Skip, do not install this entry
Enter response: I// nstall

REMINDER TERM entry VA-HPV VACCINE ORDERED is NEW,
what do you want to do?
    Select one of the following:
        C   Create a new entry by copying to a new name
        I   Install
        Q   Quit the install
        S   Skip, do not install this entry
Enter response: I// nstall
REMINDER TERM entry VA-HPV VACCINE DECLINED is NEW,
what do you want to do?
    Select one of the following:
        C   Create a new entry by copying to a new name
        I   Install
        Q   Quit the install
        S   Skip, do not install this entry
Enter response: I// nstall
REMINDER TERM entry VA-HPV VACCINE CONTRAINDICATED is NEW,
what do you want to do?
    Select one of the following:
        C   Create a new entry by copying to a new name
        I   Install
        Q   Quit the install
        S   Skip, do not install this entry
Enter response: I// nstall
REMINDER TERM entry VA-HPV VACCINES SERIES 2 is NEW,
what do you want to do?
    Select one of the following:
        C   Create a new entry by copying to a new name
        I   Install
        Q   Quit the install
        S   Skip, do not install this entry
Enter response: I// nstall
REMINDER TERM entry VA-HPV VACCINES SERIES COMPLETE is NEW,
what do you want to do?
    Select one of the following:
        C   Create a new entry by copying to a new name
        I   Install

Q   Quit the install
        S   Skip, do not install this entry

Enter response: I// nstall
REMINDER TERM entry named VA-LIFE EXPECTANCY < 6 MONTHS already exists
and the packed component is identical, skipping.
REMINDER TERM entry named VA-IMMUNOCOMPROMISED already exists and the
packed component is identical, skipping.
 EMINDER DEFINITION entry VA-HPV PRIOR IMMUNIZATIONS (OBJECT) is NEW,
what do you want to do?
    Select one of the following:
        C   Create a new entry by copying to a new name
        I   Install
        Q   Quit the install
        S   Skip, do not install this entry
Enter response: I// nstall
REMINDER DEFINITION entry VA-HPV DECLINE PERMANENTLY (BL) is NEW,
what do you want to do?
    Select one of the following:
        C   Create a new entry by copying to a new name
        I   Install
        Q   Quit the install
        S   Skip, do not install this entry
Enter response: I// nstall
REMINDER DEFINITION entry VA-HPV BL SERIES 2 VACCINES is NEW,
what do you want to do?
    Select one of the following:
        C   Create a new entry by copying to a new name
        I   Install
        Q   Quit the install
        S   Skip, do not install this entry
Enter response: I// nstall
REMINDER DEFINITION entry VA-HUMAN PAPILLOMAVIRUS (HPV) IMMUNIZATION is
NEW,
what do you want to do?
    Select one of the following:
        C   Create a new entry by copying to a new name
        I   Install
        Q   Quit the install
        S   Skip, do not install this entry
Enter response: I// nstall

You will then be prompted to install the dialog components:

```
Packed reminder dialog: VA-HUMAN PAPILLOMAVIRUS (HPV) VACCINE

 Item  Seq. Dialog Findings                                Type    Exists
   1     VA-HUMAN PAPILLOMAVIRUS (HPV) VACCINE             dialog     X

   2   4 VA-TEXT HPV HEADER                                element    X
            Finding: *NONE*

   3   5 VA-HPV DETAILED GUIDANCE                          group      X
            Finding: *NONE*
   4   5.5 VA-HPV GUIDANCE DETAILS                         element    X
            Finding: *NONE*

   5   10 VA-TEXT BLANK LINE WITH TEMPLATE FIELD           element    X
            Finding: *NONE*

   6   15 VA-HPV ADMIN OPTIONS                             group      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// IA
```

At the **Select Action** prompt, type **IA** to install the dialog – VA-HUMAN PAPILLOMAVIRUS (HPV) VACCINE

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

```
Packed reminder dialog: VA-HUMAN PAPILLOMAVIRUS (HPV) VACCINE
VA-HUMAN PAPILLOMAVIRUS (HPV) VACCINE (reminder dialog) installed from exchange
+Item  Seq. Dialog Findings                                Type    Exists
   7   15.5 V-HPV ORDER OPTIONS                            group      X
            Finding: *NONE*
   8   15.5.5 VA-HPV ORDER SET 3 DOSES                     group      X
            Finding: *NONE*
   9   15.5.5.5 V-HPV ORDER ATTESTATION 3 DOSES            element    X
            Finding: *NONE*
  10   15.5.10 V-HPV ORDER SET 2 DOSES                     group      X
            Finding: *NONE*
  11   15.5.10.5 V-HPV ORDER ATTESTATION 2 DOSES           element    X
            Finding: *NONE*
  12   15.5.15 V-HPV ORDER 1 DOSE                          group      X
            Finding: *NONE*
  13   15.5.15.5 V-HPV ORDER ATTESTATION 1 DOSE            element    X
            Finding: *NONE*
  14   15.10 VA-HPV ADMIN TODAY SERIES                     group      X
+           + 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 be returned to this screen. At the **Select Action** prompt, type **Q.**

You will see these prompts:

HEALTH SUMMARY TYPE entry HPV IMMUNIZATIONS is NEW,

what do you want to do?

    Select one of the following:

        C   Create a new entry by copying to a new name
        I   Install
        Q   Quit the install
        S   Skip, do not install this entry

Enter response: I// nstall

HEALTH SUMMARY OBJECTS entry HPV IMMUNIZATIONS (TIU) is NEW,

what do you want to do?

    Select one of the following:

        C   Create a new entry by copying to a new name
        I   Install
        Q   Quit the install
        S   Skip, do not install this entry

Enter response: I// nstall

TIU DOCUMENT DEFINITION entry HPV IMMUNIZATIONS is NEW,

what do you want to do?

    Select one of the following:

        C   Create a new entry by copying to a new name
        I   Install
        Q   Quit the install
        S   Skip, do not install this entry

Enter response: I// nstall

```
    Component                                        Category    Exists
Source:     FAHNER,JEFF at SALT LAKE CITY
Date Packed: 12/20/2016@11:11:30
Package Version: 2.0P62


Description:
HPV IMMUNIZATION:
One complete series consisting of 3 doses is recommended (unless
contraindicated) for:


 - Women ages 19-26;
 - Men ages 19-21 who have not been previously vaccinated and/or who have
   not completed the full 3 dose series;
 - Men ages 22-26 who are immunocompromised including those with HIV or
   men who have sex with men (MSM) and who have not been previously
   vaccinated and/or who have not completed the full 3 dose series. Other
   men in this age group may receive the vaccine (permissive
+        + Next Screen  - Prev Screen   ?? More Actions              >>>
IA   Install all Components           IS   Install Selected Component
Select Action: Next Screen// Q
```

After all the dialogs have installed, you will then be returned to this screen. At the **Select Action** prompt, type **Q.**

Installation complete.

Post-Install Set-up Instructions

1. **Map local orderable items**

   A. Map HPV vaccine orders

   Map to this term: VA-HPV VACCINE ORDERED

   Description:
   This term is released without any findings. The term is used in the reminder definition to resolve the reminder for 2 months for an active order to administer the HPV vaccine.

   Map local orderable items that meet the intent of this term. Any orderable item added will be evaluates as true is the order status is Active, Pending, Renewed, or Scheduled.

2. **Map existing findings**

A. Map any local health factor(s) representing HPV vaccine contraindications to the term VA-HPV VACCINE CONTRAINDICATED.
This term is released with the health factor HPV CONTRAINDICATED and computed findings mapped to allergy ingredients. The term is used to permanently resolve the reminder.

B. Map any local health factor(s) that represent the patient declined the HPV vaccine to the term VA-HPV VACCINE DECLINED.
This term is released with the health factors HPV DECLINED.

HPV DECLINED has a Beginning Date/Time of "T-3M" to resolve the reminder for 3 months.

C. Map any local health factor(s) that represent the patient declined the HPV vaccine permanently to the term VA-HPV VACCINE DECLINED PERMANENTLY.
This term is released with the health factors HPV DECLINED PERMANENTLY.

D. Map any local health factor(s) representing a HPV vaccine precaution to the term VA-HPV VACCINE PRECAUTION.
This term is released with the health factor HPV PRECAUTION. The term is used to resolve the reminder for 6 months.

E. Map any local HPV immunization(s) to the reminder term VA-HPV VACCINES.
This term is released with standard HPV vaccine immunization findings listed. The term is used in the reminder definition to search for up to three occurrences of any of the immunization findings for the HPV vaccine. Map any local findings that meet the intent of this term.

F. Map any local HPV immunization(s) to the reminder term VA-HPV VACCINES SERIES 2.
This term is released with standard HPV vaccine immunization findings listed with the condition set to look only for series 2 immunizations. The term is used in the reminder definition to search for HPV immunizations documented as series 2 doses. Map any local findings that meet the intent of this term ensuring to set the Condition fields as below.

> Finding Item: HPV, BIVALENT (FI(1)=IM(1118))
> Finding Type: IMMUNIZATION
> Condition: I V("SERIES")=2

G. Map any local HPV immunization(s) to the reminder term VA-HPV VACCINES SERIES COMPLETE.
This term is released with standard HPV vaccine immunization findings listed with the condition set to look only for series 3 or complete immunizations. The term is used in the reminder definition to search for HPV immunizations documented as series 3 or that completes the vaccination. Map any local findings that meet the intent of this term ensuring to set the Condition fields as below.

Finding Item: HPV, BIVALENT (FI(1)=IM(1118))
Finding Type: IMMUNIZATION
Condition: I V("SERIES")="C"!(V("SERIES")="3")

3. Map any limited life expectancy health factors

Map any limited life expectancy health factors to the reminder term:
VA-LIFE EXPECTANCY < 6 MONTHS

4. Embed appropriate HPV vaccination quick order(s)

The dialog has three groups used to order the administration of the HPV vaccine. Sites can choose to use one, two, or all three of these groups as order options in the dialog depending on local practices. For example, a site that has an order set for ordering all three doses to be administered at the appropriate interval should map the order set to VAL-HPV ORDER SERIES 1/2/3 AT INTERVAL. The other two order option groups would either be inactivated or mapped to similar orders for the appropriate doses to be administered. Orders and/or order sets should be embedded in each group as appropriate.

These three groups are deployed as LOCAL, so sites can modify based on local ordering practices. Each site can modify the GROUP HEADER DIALOG TEXT and should add text to the GROUP HEADER ALTERNATE P/N TEXT based on local ordering practices. The EXCLUDE FROM PROGRESS NOTE field should be changed to "NO" if a group is used in the dialog.

- The VAL-HPV ORDER SINGLE SERIES group is used to order a single dose of the HPV vaccine. Sites should the appropriate dialog text and note text to the group
- The VAL-HPV ORDER SERIES 2/3 AT INTERVAL group is used to order the 2nd and 3rd doses of the vaccine at the appropriate interval. Remember the 3rd dose needs to be administered at least 4-5 months after the 2nd dose.
- The VAL-HPV ORDER SERIES 1/2/3 AT INTERVAL group is used to order all 3 doses of the HPV vaccine at the appropriate interval. Remember the 2nd dose should be administered at least 1-2 months after the 1st; and the 3rd at least 6 months after the 1st dose. Local sites can remove the 2-dose or 3-dose ordering options if needed.
- These groups are in the group VAL-HPV ORDER OPTIONS, which is designated as a LOCAL class.

To use the group(s) follow these instructions:

1. Find the VAL-HPV ORDER SINGLE SERIES group and select EDIT
2. Place the quick order name in the FINDING ITEM field (example below).
3. Add appropriate note text to the GROUP HEADER ALTERNATE P/N TEXT field
4. Change the EXCLUDE FROM PROGRESS NOTE field to "NO"

5. Find the VAL-HPV ORDER SERIES 2/3 AT INTERVAL group and select EDIT

6. Place the order/order set name in the FINDING ITEM field.
7. Add appropriate note text to the GROUP HEADER ALTERNATE P/N TEXT field
8. Change the EXCLUDE FROM PROGRESS NOTE field to "NO"

9. Find the VAL-HPV ORDER SERIES 1/2/3 AT INTERVAL group and select EDIT
10. Place the order/order set name in the FINDING ITEM field.
11. Add appropriate note text to the GROUP HEADER ALTERNATE P/N TEXT field
12. Change the EXCLUDE FROM PROGRESS NOTE field to "NO"

Example:

Select one of the following:

        E   Edit
        C   Copy and Replace current element
        D   Delete element from this dialog

Select Dialog Element Action: // **Edit** (Enter EDIT)

    NAME: VAL-HPV ORDER SINGLE SERIES
    DISABLE:
    CLASS: LOCAL//
    SPONSOR:
    REVIEW DATE:
    RESOLUTION TYPE:
    ORDERABLE ITEM:
    FINDING ITEM: **Q.HPV VACCINE SINGLE DOSE** (Add appropriate order dialog)

    Additional findings: none
    Select ADDITIONAL FINDING:
    GROUP CAPTION:
    PUT A BOX AROUND THE GROUP: //
    SHARE COMMON PROMPTS:
    MULTIPLE SELECTION: //
    HIDE/SHOW GROUP:
    GROUP HEADER DIALOG TEXT:
    Order single dose HPV vaccine.

    Edit? NO//
    GROUP HEADER ALTERNATE P/N TEXT:
    HPV vaccination ordered.
    Edit? NO// **YES**   (Add appropriate note text)
    EXCLUDE FROM PROGRESS NOTE: YES// **NO** (Change YES to NO)

```
HPV VACCINE

  ⊙ Order HPV vaccine
  ○ Order 3 doses of HPV vaccine.
  ○ Order 2nd and 3rd  doses of HPV vaccine.
  ○ Order single dose HPV vaccine.
```

5. Suppress the ability to order HPV vaccine administration from the dialog (if appropriate)

The order option in the dialog can be suppressed for specific user classes or for everyone using the reminder terms: VA-HPV ORDER SUPPRESSION

Finding:
- VA-ASU USER CLASS
  - Enter the user class in the Computed Finding Parameter field that should NOT see the option to order the vaccine.
  - If more than one user class is needed, add additional findings of the CF VA-ASU USER CLASS for each one as needed.

What was exported:
```
FINDING ITEM: VA-ASU USER CLASS//
BEGINNING DATE/TIME: T//
ENDING DATE/TIME: T//
OCCURRENCE COUNT:
COMPUTED FINDING PARAMETER: ****//
CONDITION:
CONDITION CASE SENSITIVE:
USE STATUS/COND IN SEARCH:
```

- VA-AGE
```
FINDING ITEM: VA-AGE//
BEGINNING DATE/TIME:
ENDING DATE/TIME:
OCCURRENCE COUNT:
COMPUTED FINDING PARAMETER:
CONDITION: I V<18//
CONDITION CASE SENSITIVE:
USE STATUS/COND IN SEARCH:
```

- To suppress the order from being seen by ANYONE, delete the Condition within the VA-AGE computed finding.
- To suppress for EVERYONE, in the above TERMS DELETE the VA-ASU USER CLASS finding and edit the VA-AGE computed finding.

- 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.

6. Suppress the ability to document HPV vaccine administration from the dialog (if appropriate)

The order option in the dialog can be suppressed for specific user classes or for everyone using the reminder terms: VA-HPV ADMINISTRATION SUPPRESSION

Finding:
- VA-ASU USER CLASS
  - Enter the user class in the Computed Finding Parameter field that should NOT see the option to document the administration of the vaccine.
  - If more than one user class is needed, add additional findings of the CF VA-ASU USER CLASS for each one as needed.

What was exported:
FINDING ITEM: VA-ASU USER CLASS//
BEGINNING DATE/TIME: T//
ENDING DATE/TIME: T//
OCCURRENCE COUNT:
COMPUTED FINDING PARAMETER: ****//
CONDITION:
CONDITION CASE SENSITIVE:
USE STATUS/COND IN SEARCH:

- VA-AGE
FINDING ITEM: VA-AGE//
BEGINNING DATE/TIME:
ENDING DATE/TIME:
OCCURRENCE COUNT:
COMPUTED FINDING PARAMETER:
CONDITION: I V<18//
CONDITION CASE SENSITIVE:
USE STATUS/COND IN SEARCH:

- To suppress the order from being seen by ANYONE, delete the Condition within the VA-AGE computed finding.
- To suppress for EVERYONE, in the above TERMS DELETE the VA-ASU USER CLASS finding and edit the VA-AGE computed finding.

- 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.

7. Edit template fields

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 HPV LOT# EXP DATE
- IM HPV MANUF

Template fields in dialog CPRS view

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

If there are any questions or problems during the installation or setup, please call the national help desk and have them submit a national CA ticket to the Incident Area: NTL.APP.VISTA.CLINICAL REMINDERS 2_0 and someone from national product support will contact you.