Update _2_0_173Q

# Clinical Reminders

# VA-COVID-19 IMMUNIZATION REMINDER UPDATE
# Install Guide

## January 2022

Product Development
Office of Information Technology
Department of Veterans Affairs

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# Introduction

DESCRIPTION:
This reminder update sends out an updated version of the Covid Immunization reminder dialogs and reminder definition that are discussed below.

173Q makes updates to the VA-SARS-COV-2 IMMUNIZATION reminder dialog and associated progress note template.
Reminder exchange entry UPDATE_2_0_173Q VA-COVID-19 IMMUNIZATION REMINDER

## DEFINITION CHANGES

1. RT VA-SARS-COV-2 VACCINE INDICATION MRNA BOOSTER      Finding #  6

   Update to I V>11 for age, update found text

2. FF 13,14, 16 and 43, 44, 46 changed to 5M from 6M

3. Update taxonomy VA-SARS-COV-2 IMM JANSSEN SERIES 2 with code 0034A which was finally just released in a Lexicon patch.

4. FF 60-73   change 150D to 120D

5. Replace CVX 208 with both 208 & 217 in 61, 63, 65, 67, 71.  Add FF 74 to add CVX217 since adding it to 73 is too long and fails.   (see the Clinical Reminder Technical description for what was replaced in each of these FFs).

## DIALOG CHANGES

The text in the following dialog elements and groups is updated by this reminder update to include the 5 month interval for Pfizer booster doses:
        VAL-SARS-COV-2 BOOSTER DOSE DSP TEXT GP
        VAL-SARS-COV-2 BOOSTER CDC INFO
        VAL-SARS-COV-2 ADDL DOSE IMMUNOC BOOSTER INFO
        VAL-SARS-COV-2 C2 BOOSTER INFO
        VAL-SARS-COV-2 D2 BOOSTER INFO

```
Reminder Dialog Template: covid immun template                                    ✕

Immunization                      Series Date      Facility    Reaction Info

COVID-19 (MODERNA), MRNA, LNP-S,*  1      02/02/2021 ALBANY, NY

COVID-19 (MODERNA), MRNA, LNP-S,*  2      03/01/2021 ALBANY, NY
************************************************************************

NOTE:
  Anyone 12+ who completed a primary series of COVID-19 vaccine should be offered a booster dose of
  COVID-19 vaccine.

  ☑ CDC interim considerations on use of a COVID-19 booster dose for mRNA primary series
     recipients

     CDC recommends that all persons >=12 years old who completed a COVID-19 vaccine primary
      series should receive a booster dose.
       A booster dose is recommended:
           2 months after a single dose primary series of Janssen vaccine, or
           5 months after completion of a primary series of mRNA vaccine.

     CDC - Interim Clinical considerations for Booster doses
     CDC - Underlying Medical Conditions w/ Higher Risk for Severe COVID-19


  BOOSTER DOSE GUIDANCE:

  COVID-19 Moderna 2-dose primary series appears to be completed (see above).
  A booster dose is recommended 5 months or more after the primary series.
  (see CDC interim considerations above for guidance on who should receive)

  As a booster dose, this patient may receive a half-dose booster of Moderna
  or a full-dose booster of Pfizer vaccine.

  Record this 3rd dose (booster dose) as series 3 for whichever vaccine is chosen.


                      Visit Info                        Finish        Cancel


<No encounter information entered>

* Indicates a Required Field
```

Thank you to the following test sites who installed and tested this reminder update:

New Mexico VA Health Care System (Albuquerque)
VA Nebraska Western Iowa Health Care System
Ralph J Johnson VA Medical Center (Charleston)
Aleda E. Lutz VA Medical Center (Saginaw)
VA Maryland Health Care System (Baltimore)
VA Bronx

UPDATE_2_0_173Q contains 1 Reminder Exchange entry: UPDATE_2_0_173Q VA-COVID-19 IMMUNIZATION REMINDER with the following components:

```
TIU TEMPLATE FIELD
    1   IM SARS COV-2 CDC VACCINE CLINICAL CONSIDERATIONS
        BOOSTERURL
    2   IM SARS COV-2 A1 BOOSTER INFO
    3   IM SARS COV-2 D2 BOOSTER INFO
    4   IM SARS COV-2 C2 BOOSTER INFO

IMMUNIZATION
        COVID-19 (PFIZER), MRNA, LNP-S, PF, 30 MCG/0.3 ML
        DOSE, TRIS-SUCROSE (AGES 12+ YEARS)
        COVID-19 (PFIZER), MRNA, LNP-S, PF, 30 MCG/0.3 ML
        DOSE
        COVID-19 (MODERNA), MRNA, LNP-S, PF, 100 MCG OR
        50 MCG DOSE
        COVID-19 (SINOVAC), INACTIVATED VIRUS, NON-US
        COVID-19 (BIBP, SINOPHARM) IV NON-US VACCINE
        SARS-COV-2 (COVID-19) VACCINE, UNSPECIFIED
        COVID-19 (ASTRAZENECA), VECTOR-NR, RS-CHADOX1,
        PF, 0.5 ML
        COVID-19 (NOVAVAX), SUBUNIT, RS-NANOPARTICLE+MATRI
        X-M1 ADJUVANT, PF, 0.5 ML
        COVID-19 (JANSSEN), VECTOR-NR, RS-AD26, PF, 0.5 ML
        COVID-19 (COVAXIN) IV NON-US VACCINE

HEALTH FACTORS
    5   VA-REMINDER UPDATES [C]
    6   VA-UPDATE_2_0_173Q
    7   VA-COVID-19 [C]
    8   VA-SARS-COV-2 IMM CLIN REV NO ADDL DOSE
    9   IMMUNIZATION [C]
   10   VA-SARS-COV-2 VACCINE DEFERRED
   11   VA-SARS-COV-2 IMM REFUSAL - BOOSTER/ADDL DOSE
   12   VA-SARS-COV-2 VACCINE REFUSAL
   13   VA-SARS-COV-2 VACCINE CONTRAIND B1
   14   VA-SARS-COV-2 VACCINE CONTRAIND A1
   15   VA-SARS-COV-2 VACCINE CONTRAIND E2
   16   VA-SARS-COV-2 VACCINE CONTRAIND C2
   17   VA-SARS-COV-2 VACCINE CONTRAIND D2

REMINDER SPONSOR
   18   NATIONAL CENTER FOR HEALTH PROMOTION AND DISEASE
        PREVENTION (NCP)
   19   VA NATIONAL CENTER FOR HEALTH PROMOTION AND
        DISEASE PREVENTION (NCP)

REMINDER COMPUTED FINDINGS
        VA-REMINDER DEFINITION
        VA-AGE
        VA-APPOINTMENTS FOR A PATIENT
        VA-IS INPATIENT
```

```
REMINDER TAXONOMY
   20  VA-SARS-COV-2 IMM JANSSEN SERIES 2
   21  VA-IMMUNOCOMPROMISED FOR COVID-19 ADDL DOSE
   22  VA-HIV INFECTION
   23  LONG TERM SYSTEMIC STEROID
   24  VA-PNEUMOC DZ RISK - CHEMOTHERAPY

REMINDER TERM
   25  VA-REMINDER UPDATE_2_0_173Q
   26  VAL-SARS-COV-2 VACC FOR BOOSTER BL
   27  VA-SARS-COV-2 IM DOSE NOT JANSSEN
   28  VA-SARS-COV-2 VACCINE A1
   29  VA-SARS-COV-2 IM DOSE NOT PFIZER
   30  VA-CD4 COUNT
   31  VA-STEROID PREDN EQUIV 5-6.6MG
   32  VA-STEROID PREDN EQUIV 6.6-9MG
   33  VA-STEROID PREDN EQUIV 10-19MG
   34  VA-STEROID PREDN EQUIV >=20MG
   35  VA-CHEMO/IMMUNOSUPPRESSIVE DRUGS
   36  VA-SARS-COV-2 VACCINE INDICATION ADDL DOSE NEEDED
   37  VA-SARS-COV-2 VACCINE INDICATION MRNA BOOSTER
   38  VA-SARS-COV-2 VACCINE D2
   39  VA-SARS-COV-2 IM DOSE NOT MODERNA
   40  VA-SARS-COV-2 VACCINE C2
   41  VA-COVID-19 VACCINATION CLINIC FUTURE APPT
   42  VA-SARS-COV-2 VACCINE DOSE #1 OF 2
   43  VAL-SYSTEMIC STEROIDS
   44  VA-SARS-COV-2 VACCINE DEFERRAL
   45  VA-SARS-COV-2 VACCINE REFUSAL
   46  VA-SARS-COV-2 VACCINE CONTRAINDICATION
   47  VA-SARS-COV-2 VACCINE E2
   48  VA-SARS-COV-2 VACCINE B1
   49  VA-SARS-COV-2 VACCINE INDICATION AGE
   50  VA-SARS-COV-2 VACCINE WHO APPROVED ALL (INCL US)
   51  VA-SARS-COV-2 VACCINE WHO APPROVED NON-US
       COMPLETED
   52  VA-SARS-COV-2 VACCINE INDICATION 5
   53  VA-SARS-COV-2 VACCINE INDICATION 4
   54  VA-SARS-COV-2 VACCINE INDICATION 3
   55  VA-SARS-COV-2 VACCINE INDICATION 2
   56  VA-SARS-COV-2 VACCINE INDICATION 1

REMINDER DEFINITION
   57  VAL-BL COVID-19 BOOSTER JANSSEN
   58  VAL-IMMUNOCOMPROMISING DRUGS/LABS/DX FOR COVID-19
   59  VAL-BL COVID-19 BOOSTER PFIZER
   60  VAL-BL COVID-19 BOOSTER MODERNA
   61  VA-SARS COV-2 IMMUNIZATION

REMINDER DIALOG
   62  SARS-COV-2 IMMUN UPDATE 173Q V2.17
```

# Pre-Install

1. You should have installed the prior versions of the covid immunization reminder updates, the most recent being 173P prior to installing this update.
2. Note, a prerequisite to installing this is that you **MUST** have patch OR*3.0*498 (part of the CPRS31B follow up bundle of patches) installed.  The compliance date for these patches is January 21, 2022.  If you try to install this reminder update prior to that, you will encounter errors when installing the dialog portion
3. This update will NOT overwrite lot numbers
4. Items that should be overwritten are highlighted in GREEN above.

# Install Details

This update is being distributed as a web host file.  The address for the host file is:
**https://Redacted /UPDATE_2_0_173Q.PRD**

The file will be installed using Reminder Exchange, programmer access is not required.
This update can be loaded with users on the system. Installation will take less than 5 minutes

If you try to install before patch OR*3.0*498 has been installed into your system (per item 2 in Pre Install section), you will see this error

```
The test update failed, UPDATE^DIE returned the following error message:
MSG("DIERR")=1^1
MSG("DIERR",1)=701
MSG("DIERR",1,"PARAM",0)=3
MSG("DIERR",1,"PARAM",3)=RT.VAL-SARS-COV-2 VACC FOR BOOSTER BL
MSG("DIERR",1,"PARAM","FIELD")=1
MSG("DIERR",1,"PARAM","FILE")=801.41143
MSG("DIERR",1,"TEXT",1)=The value 'RT.VAL-SARS-COV-2 VACC FOR BOOSTER BL' for fi
eld EVALUATION ITEM in BRANCHING LOGIC SUB-FIELD in file REMINDER DIALOG is not
valid.
MSG("DIERR","E",701,1)=
REMINDER DIALOG entry VAL-SARS-COV-2 ADDL DOSE IMMUNOC BOOSTER INFO did not get
installed!
Examine the following error message for the reason.

The update failed, UPDATE^DIE returned the following error message:
MSG("DIERR")=1^1
MSG("DIERR",1)=701
MSG("DIERR",1,"PARAM",0)=3
MSG("DIERR",1,"PARAM",3)=RT.VAL-SARS-COV-2 VACC FOR BOOSTER BL
MSG("DIERR",1,"PARAM","FIELD")=1
MSG("DIERR",1,"PARAM","FILE")=801.41143
MSG("DIERR",1,"TEXT",1)=The value 'RT.VAL-SARS-COV-2 VACC FOR BOOSTER BL' for fi
eld EVALUATION ITEM in BRANCHING LOGIC SUB-FIELD in file REMINDER DIALOG is not
valid.
MSG("DIERR","E",701,1)=
.....
```
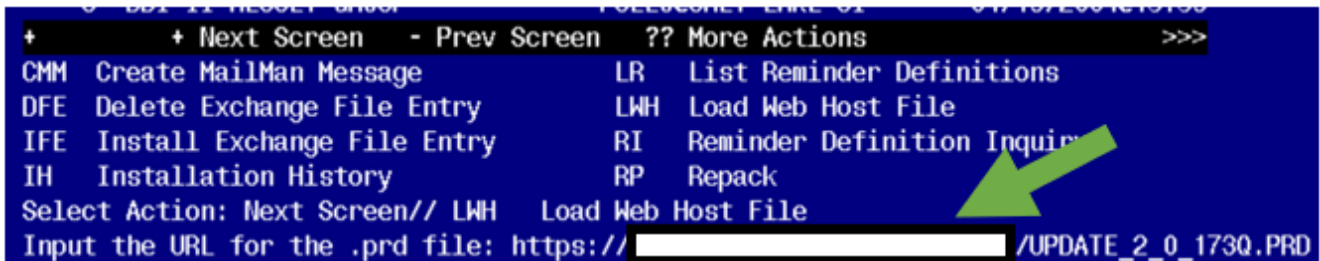
# Install Example

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



At the **Select Action:** prompt, enter **LWH** for Load Web Host File
At the **Input the url for the .prd file:** prompt, type the following web address:

**https://Redacted /UPDATE_2_0_173Q.PRD**
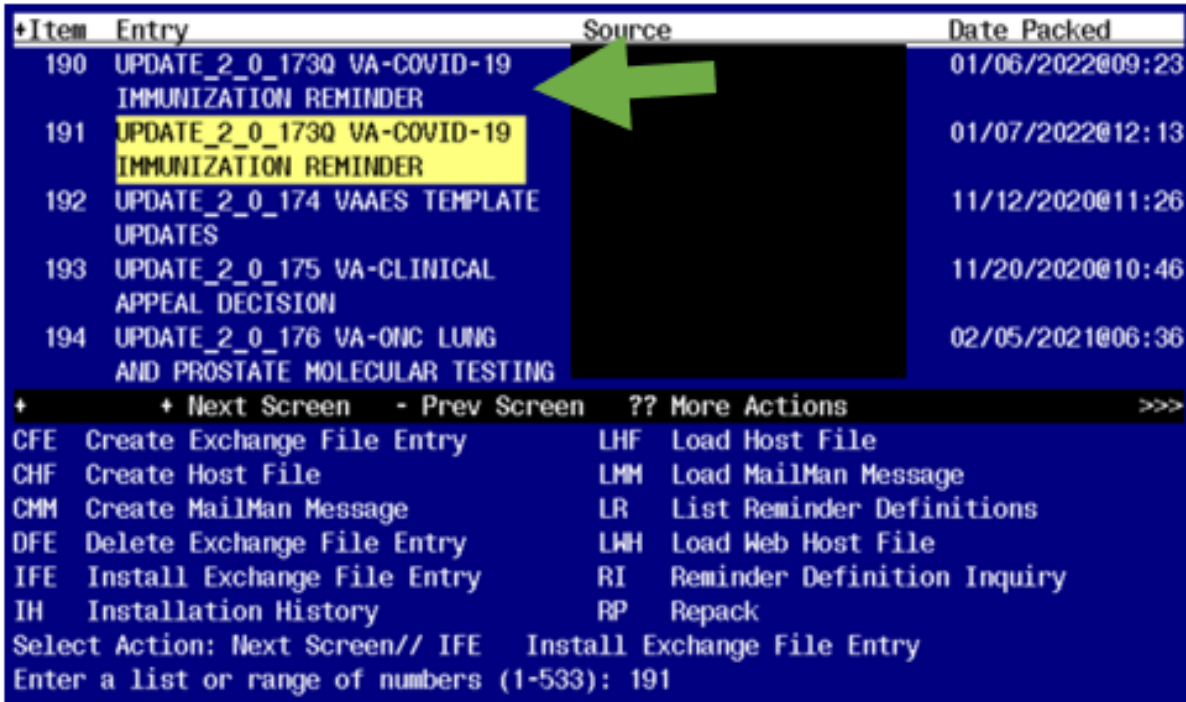
**You should see a message that the file was successfully loaded.**



**This will install one exchange entry in your exchange file.**
Added Reminder Exchange entry UPDATE_2_0_173Q VA-COVID-19 IMMUNIZATION
REMINDER



Search and locate an entry titled **UPDATE_2_0_173Q VA-COVID-19 IMMUNIZATION REMINDER.**

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

Enter the number that corresponds with your entry **UPDATE_2_0_173Q VA-COVID-19 IMMUNIZATION REMINDER.** *(in this example it is entry 190 it will vary by site).* The date of the exchange file should be 1/07/2022.                              .

```
   Component                                           Category      Exists
                                                                    ▄▄▄▄
Source:
Date Packed: 01/07/2022@12:13:40
Package Version: 2.0P71

Description:
The following Clinical Reminder items were selected for packing:
REMINDER DIALOG
  SARS-COV-2 IMMUN UPDATE 173Q V2.17

REMINDER TAXONOMY
  VA-SARS-COV-2 IMM JANSSEN SERIES 2

REMINDER TERM
  VA-REMINDER UPDATE_2_0_173Q

REMINDER DEFINITION
+           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.
Any items that are NEW in any categories, you should INSTALL
Overwrite the following template fields:
        IM SARS COV-2 C2 BOOSTER INFO
        IM SARS COV-2 D2 BOOSTER INFO

If you are prompted to overwrite any health factors, you should choose SKIP

Overwrite the reminder taxonomy VA-SARS-COV-2 IMM JANSSEN SERIES 2.
If you are prompted to overwrite any other reminder taxonomies, you should choose SKIP

Overwrite the reminder term VA-SARS-COV-2 VACCINE INDICATION MRNA BOOSTER.
If you are prompted to overwrite any other reminder terms, you should choose SKIP

Overwrite the reminder definition VA-SARS COV-2 IMMUNIZATION when prompted.
If you are prompted to overwrite any other definitions, choose SKIP.

You will then be prompted to install the reminder dialog component, you will choose IA to install even though most items will have an X to indicate they already exist.

```
Packed reminder dialog: SARS-COV-2 IMMUN UPDATE 173Q V2.17

 Item   Seq. Dialog Findings                                    Type     Exists
   1      SARS-COV-2 IMMUN UPDATE 173Q V2.17                    dialog

   2     5 VA-TEXT SARS-COV-2 IMMUNIZATION HEADER               element     X
            Finding: *NONE*

   3    10 VA-TEXT SARS-COV-2 IMMUNIZATION HEADER TEMPLATE      element     X
            Finding: *NONE*

   4    12 VAL-SARS-COV-2 BOOSTER DOSE DSP TEXT GP               group      X
            Finding: *NONE*
   5    12.4 VAL-SARS-COV-2 BOOSTER DOSE GP CDC BOOSTER INFO     group      X
            Finding: *NONE*
   6    12.4.1 VAL-SARS-COV-2 BOOSTER CDC INFO                  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// IA
```

At the **Select Action** prompt, type **IA** to install the dialog – **SARS-COV-2 IMMUN UPDATE 173Q V2.17.**

```
SARS-COV-2 IMMUN UPDATE 173Q V2.17 (reminder dialog) installed from exchange fil
  Item  Seq. Dialog Findings                                        Type     Exists
     1      SARS-COV-2 IMMUN UPDATE 173Q V2.17                      dialog      X

     2    5 VA-TEXT SARS-COV-2 IMMUNIZATION HEADER                 element      X
             Finding: *NONE*

     3    10 VA-TEXT SARS-COV-2 IMMUNIZATION HEADER TEMPLATE       element      X
             Finding: *NONE*

     4    12 VAL-SARS-COV-2 BOOSTER DOSE DSP TEXT GP                group       X
             Finding: *NONE*
     5    12.4 VAL-SARS-COV-2 BOOSTER DOSE GP CDC BOOSTER INFO      group       X
             Finding: *NONE*
     6    12.4.1 VAL-SARS-COV-2 BOOSTER CDC INFO                  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 be returned to this screen. At the **Select Action** prompt, type **Q.**

```
      Component                                    Category    Exists
Source:
Date Packed: 01/07/2022@12:13:40
Package Version: 2.0P71

Description:
The following Clinical Reminder items were selected for packing:
REMINDER DIALOG
  SARS-COV-2 IMMUN UPDATE 173Q V2.17

REMINDER TAXONOMY
  VA-SARS-COV-2 IMM JANSSEN SERIES 2

REMINDER TERM
  VA-REMINDER UPDATE_2_0_173Q

REMINDER DEFINITION
+            + Next Screen    - Prev Screen    ?? More Actions               >>>
IA    Install all Components              IS    Install Selected Component
Select Action: Next Screen// Q
```

You will then be returned to this screen. At the **<u>Select Action</u>** prompt, type **<mark>Q.</mark>**

Install complete.

# Post-Installation

1. **This update was sent out with the reminder dialog disassociated from the reminder definition.  You will need to reassociate the reminder dialog to the reminder definition.**

   You can do this using the Vista Menu,  Reminder Dialog Manager, Reminder Dialogs in Reminder view find the reminder definition VA-SARS COV-2 IMMUNIZATION choose that reminder and then use the <mark>LR</mark> feature to link the reminder to the dialog:

   REMINDER NAME: VA-SARS-COV-2 IMMUNIZATION
   LINKED REMINDER DIALOG: VA-SARS
      1  <mark>VA-SARS-COV-2 IMMUNIZATION</mark>     reminder dialog    NATIONAL
      2  VA-SARS-COV-2 IMMUNIZATION TEMPLATE     reminder dialog
   NATIONAL
   CHOOSE 1-2: <mark>1  VA-SARS-COV-2 IMMUNIZATION</mark>     reminder dialog
   NATIONAL