

**Update \_2\_0\_173L**

Clinical Reminders

VA-COVID-19 IMMUNIZATION REMINDER UPDATE

Install Guide

**October 2021**

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 definition and a dialog component that is discussed below.

173L makes updates to the VA-SARS-COV-2 IMMUNIZATION reminder dialog, reminder definition and associated progress note template.

Updates are being made to prompt for booster doses of Moderna, second doses of Janssen vaccine and to facilitate and guide documentation for mix and match.

This is a very complicated update and you must follow the instructions completely.

You should back up all of your lot numbers for Pfizer, Moderna and J&J and then add them back in post install. The below link are the instructions for doing this that were included with the 173K release and can be used for this backup also.

https://REDACTED /COVID-19\_LOCAL\_BACKUP\_173K.pdf

**Reminder Logic Updates:**

* Booster dose due 6 months after a completed primary series of Moderna vaccine for anyone age 65 and over or who is age 50+ and at high risk of severe disease. (same group as Pfizer booster that was part of 173K).
* Second dose of Janssen vaccine due for all who received dose more than 2 months ago.
* Combinations of vaccines will also resolve the reminder – this has been part of the logic in the past but is now enabled.
* Mental health conditions are added to the list of diagnoses for high risk of severe disease per change in CDC guidelines.

3 new reminders are added to allow branching logic to display guidance for the most common scenarios and what booster options are available.

1. 2 prior doses of Moderna, last dose over 6 months ago, not immunocompromised
2. 2 prior doses of Pfizer, last dose over 6 months ago, not immunocompromised
3. 1 prior dose of Janssen, last dose over 56 days ago.

The reminders that control the branching logic for these informational messages are:

VAL-BL COVID-19 BOOSTER MODERNA

VAL-BL COVID-19 BOOSTER PFIZER

VAL-BL COVID-19 BOOSTER JANSSEN

And the template fields that control the informational message for each of these are:

IM SARS COV-2 C2 BOOSTER INFO

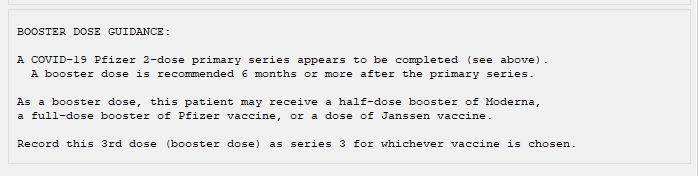
IM SARS COV-2 D2 BOOSTER INFO

IM SARS COV-2 A1 BOOSTER INFO

**Reminder Dialog Updates:**

* Branching logic is included to display booster information guidance from the template fields listed above. These can be modified locally.

Example:



* Vaccine series are now counted by patient dose of any COVID-19 vaccine and not separately counted by manufacturer. Dose 1 of any vaccine is series 1, a second dose of any vaccine is series 2, and a 3rd dose of any vaccine, even if different, is series 3.
* Dose 1, 2, 3 for Pfizer and Moderna are suppressed if the dose has been given already and since these are now considered interchangeable, Pfizer will suppress Moderna options and Moderna will suppress Pfizer options.
* Janssen dose 1 will also suppress series 1 and 2 for Pfizer and Moderna since any mRNA dose given after an initial dose of Janssen is considered a booster dose if given 2 months or more after the initial Janssen dose. After a single dose of Janssen, the only option that will show for Moderna and Pfizer is for a booster dose and that dose will be a half-dose for Moderna and both will be defaulted to series 2.
  + Not all of these series suppression will occur in the historical section since outside doses may not have followed VA guidance.
* The booster dose message in the dialog for patients 65+ or 50+ with underlying conditions now also shows for Moderna recipients in this new update in addition to Pfizer recipients which was part of 173K.
* The immunosuppressed message now only shows for mRNA recipients or patients who have had no vaccine administered.

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)

James J Peters VA Medical center (Bronx)

UPDATE\_2\_0\_173L contains 1 Reminder Exchange entry:

**UPDATE\_2\_0\_173L VA-COVID-19 IMMUNIZATION REMINDER**

**TIU TEMPLATE FIELD**

BLANK TEXT FIELD FOR DIALOGS

IM SCRIBE

IM SARS COV-2 OUTSIDE INSTR 2

IM SARS COV-2 OUTSIDE INSTR 1

IM SARS COV-2 OUTSIDE WARNING

IM SARS COV-2 ADMIN INFO POST TEXT D2 #2

IM SARS COV-2 D2 DOSE

IM SARS COV-2 DOSE D2 #B WARNING

IM SARS COV-2 D2 DOSE #3 BOOSTER

IM SARS COV-2 VIS/EUA INFO URL D2

IM SARS COV-2 ADMIN D2 INFO PRE TEXT

IM SARS COV-2 DOSE D2 #3 WARNING

IM SARS COV-2 D2 DOSE #3

IM SARS COV-2 DOSE #2 WARNING

IM SARS COV-2 ADMIN INFO POST TEXT D2 #1

IM SARS COV-2 VIS/EUA INFO URL E2

IM SARS COV-2 ADMIN E2 INFO PRE TEXT

IM SARS COV-2 ADMIN INFO POST TEXT E2 #2

IM SARS COV-2 E2 DOSE

IM SARS COV-2 DOSE E2 #3 WARNING

IM SARS COV-2 E2 DOSE #3

IM SARS COV-2 ADMIN INFO POST TEXT E2 #1

IM SARS COV-2 VA SIDE EFFECTS AE REPORTING

IM SARS COV-2 VIS/EUA INFO URL B1

IM SARS COV-2 ADMIN B1 INFO PRE TEXT

IM SARS COV-2 ADMIN INFO POST TEXT B1 #2

IM SARS COV-2 B1 DOSE

IM SARS COV-2 DOSE B1 #3 WARNING

IM SARS COV-2 B1 DOSE #3

IM SARS COV-2 ADMIN INFO POST TEXT B1 #1

IM SARS COV-2 VIS/EUA INFO URL A1

IM SARS COV-2 ADMIN A1 INFO PRE TEXT

IM SARS COV-2 ADMIN INFO POST TEXT A1 #B

IM SARS COV-2 A1 DOSE

IM SARS COV-2 DOSE SERIES BOOSTER WARNING

IM SARS COV-2 DOSE A1 #3 WARNING

IM SARS COV-2 A1 DOSE #3

IM SARS COV-2 A1 DOSE #2

IM SARS COV-2 ADMIN INFO POST TEXT A1

IM SARS COV-2 VIS/EUA INFO URL C2

IM SARS COV-2 ADMIN C2 INFO PRE TEXT

IM SARS COV-2 ADMIN INFO POST TEXT C2 #2

IM SARS COV-2 C2 DOSE 1/2 DOSE

IM SARS COV-2 DOSE C2 #B WARNING

IM SARS COV-2 C2 DOSE #3 BOOSTER

IM SARS COV-2 C2 DOSE

IM SARS COV-2 DOSE C2 #3 WARNING

IM SARS COV-2 C2 DOSE #3

IM SARS COV-2 ADMIN INFO POST TEXT C2 #1

IM SARS COV-2 INFO TEXT EUA AGES

IM SARS COV-2 CDC VACCINE ANAPHYLAXIS INFO URL

IM SARS COV-2 CDC VACCINE CLINICAL CONSIDERATION URL

IM SARS COV-2 CDC VACCINE INFO URL

IM SARS COV-2 VA PRE SCREEN FORM

IM SARS COV-2 VHA VACCINE INFO URL

IM SARS COV-2 PROVIDER EUA FACT URL A1

IM SARS COV-2 PROVIDER EUA FACT URL D2

IM SARS COV-2 PROVIDER EUA FACT URL C2

IM SARS COV-2 A1 BOOSTER INFO

IM SARS COV-2 D2 BOOSTER INFO

IM SARS COV-2 C2 BOOSTER INFO

IM SARS COV-2 ADOLESCENT-CHILD APPROVAL TEXT

**HEALTH FACTORS**

REMINDER FACTORS [C]

VA-UPDATE\_2\_0\_173L

IMMUNIZATION [C]

VA-SARS-COV-2 VACCINE CONTRAIND B1

VA-SARS-COV-2 VACCINE CONTRAIND E2

VA-SARS-COV-2 VACCINE CONTRAIND A1

VA-SARS-COV-2 VACCINE CONTRAIND D2

VA-SARS-COV-2 VACCINE CONTRAIND C2

VA-SARS-COV-2 VACCINE DEFERRED

VA-SARS-COV-2 VACCINE REFUSAL

VA-SARS-COV-2 IMM REFUSAL - NVX CVX 211

VA-SARS-COV-2 IMM REFUSAL - AZN CVX 210

VA-SARS-COV-2 IMM REFUSAL - JSN CVX 212

VA-SARS-COV-2 IMM REFUSAL - UNS CVX 213

VA-SARS-COV-2 IMM REFUSAL - PFR CVX 208

VA-SARS-COV-2 IMM REFUSAL - MOD CVX 207

COVID-19 VERBAL REPORT COVID VACCINE

VA-SARS-COV-2 VACCINE ANATOMIC SITE

VA-TOBACCO USE SCREEN [C]

VA-TOBACCO FORMER USER

VA-TOBACCO USER SOME DAYS

VA-TOBACCO USER EVERY DAY

VA-SARS-COV-2 IMMUN EDUC VVC/TELE VST

**REMINDER SPONSOR**

VA NATIONAL CENTER FOR HEALTH PROMOTION AND

DISEASE PREVENTION (NCP)

NATIONAL CENTER FOR HEALTH PROMOTION AND DISEASE

PREVENTION (NCP)

OFFICE OF PATIENT CARE SERVICES

OFFICE OF PUBLIC HEALTH AND ENVIRONMENTAL HAZARDS

**REMINDER TAXONOMY**

VA-IMMUNIZATION ICD10 CODE

VA-SARS-COV-2 IMM PFIZER TRIS/SUC SERIES BOOSTER

VA-IMMUNOCOMPROMISED FOR COVID-19 ADDL DOSE

VA-HIV INFECTION

LONG TERM SYSTEMIC STEROID

VA-PNEUMOC DZ RISK - CHEMOTHERAPY

VA-SARS-COV-2 IMM PFIZER TRIS/SUC SERIES 3

VA-SARS-COV-2 IMM PFIZER TRIS/SUC SERIES 2

VA-SARS-COV-2 IMM PFIZER TRIS/SUC SERIES 1

VA-SARS-COV-2 IMM ASTRAZENECA SERIES 3

VA-SARS-COV-2 IMM ASTRAZENECA SERIES 2

VA-SARS-COV-2 IMM ASTRAZENECA SERIES 1

VA-SARS-COV-2 IMM NOVAVAX SERIES 3

VA-SARS-COV-2 IMM NOVAVAX SERIES 2

VA-SARS-COV-2 IMM NOVAVAX SERIES 1

VA-SARS-COV-2 IMM JANSSEN SERIES 2

VA-SARS-COV-2 IMM JANSSEN SERIES 1

VA-SARS-COV-2 IMM PFIZER SERIES BOOSTER

VA-SARS-COV-2 IMM PFIZER SERIES 3

VA-SARS-COV-2 IMM PFIZER SERIES 2

VA-SARS-COV-2 IMM PFIZER SERIES 1

VA-SARS-COV-2 IMM MODERNA SERIES BOOSTER

VA-SARS-COV-2 IMM MODERNA SERIES 3

VA-SARS-COV-2 IMM MODERNA SERIES 2

VA-SARS-COV-2 IMM MODERNA SERIES 1

MENTAL HEALTH DX FOR COVID-19

RADIATION TX FOR COVID-19 BOOSTER

CKD AND CHF FOR COVID-19 BOOSTER

NEUROLOGIC CONDITIONS FOR COVID-19 BOOSTER

LIVER DISEASE FOR COVID-19 BOOSTER

THALASSEMIA FOR COVID-19 BOOSTER

SUBSTANCE ABUSE FOR COVID-19 BOOSTER

LUNG DISEASE FOR COVID-19 BOOSTER

VA-IHD AND ASVD

VA-IMMUNOCOMPROMISED

VA-PALLI CONS CANCER/HEMA COND

VA-DIABETES

VA-HYPERTENSION

VA-TOBACCO USE

**REMINDER TERM**

VA-REMINDER UPDATE\_2\_0\_173L

VA-CURRENT INPATIENT

VA-SARS-COV-2 VACCINE WHO APPROVED ALL (INCL US)

VA-SARS-COV-2 VACCINE A1 1 DOSE

VA-SARS-COV-2 VACCINE D2 3 DOSE

VA-SARS-COV-2 VACCINE D2 2 DOSE

VA-SARS-COV-2 VACCINE D2 1 DOSE

VA-SARS-COV-2 VACCINE C2 3 DOSE

VA-SARS-COV-2 VACCINE C2 2 DOSE

VA-SARS-COV-2 VACCINE C2 1 DOSE

VA-CD4 COUNT

VA-STEROID PREDN EQUIV 5-6.6MG

VA-STEROID PREDN EQUIV 6.6-9MG

VA-STEROID PREDN EQUIV 10-19MG

VA-STEROID PREDN EQUIV >=20MG

VA-CHEMO/IMMUNOSUPPRESSIVE DRUGS

VA-SARS-COV-2 IM DOSE NOT PFIZER

VA-SARS-COV-2 VACCINE E2 2 DOSE

VA-SARS-COV-2 IM DOSE NOT ASTRAZENECA

VA-SARS-COV-2 IM DOSE NOT MODERNA

VA-SARS-COV-2 VACCINE E2 1 DOSE

VA-SARS-COV-2 VACCINE B1 2 DOSE

VA-SARS-COV-2 VACCINE B1 1 DOSE

VA-SARS-COV-2 IM DOSE NOT NOVAVAX

VA-SARS-COV-2 IM DOSE NOT JANSSEN

VA-SARS-COV-2 VACCINE A1

VA-SARS-COV-2 VACCINE INDICATION ADDL DOSE NEEDED

VA-SARS-COV-2 VACCINES NO BOOSTER AUTHORIZED

VA-SARS-COV-2 VACCINES BOOSTER AUTHORIZED

COVID-19 VACCINE BOOSTER - UNDERLYING CONDITIONS

TOBACCO USE EVER FOR COVID-19 BOOSTER

VA-SARS-COV-2 VACCINE INDICATION MRNA BOOSTER

VA-SARS-COV-2 VACCINE D2

VA-SARS-COV-2 VACCINE C2

VA-COVID-19 ADOLESCENT AGE RANGE

VAL-SARS-COV-2 VACC FOR BOOSTER BL

VA-SARS-COV-2 VACCINE WHO APPROVED NON-US COMPLETED

VA-SARS-COV-2 VACCINE E2

VA-SARS-COV-2 VACCINE B1

VA-COVID-19 VACCINATION CLINIC FUTURE APPT

VA-SARS-COV-2 VACCINE DOSE #1 OF 2

VAL-SYSTEMIC STEROIDS

VA-SARS-COV-2 VACCINE REFUSAL

VA-SARS-COV-2 VACCINE CONTRAINDICATION

VA-SARS-COV-2 VACCINE INDICATION AGE

VA-SARS-COV-2 VACCINE INDICATION 5

VA-SARS-COV-2 VACCINE INDICATION 4

VA-SARS-COV-2 VACCINE INDICATION 3

VA-SARS-COV-2 VACCINE INDICATION 2

VA-SARS-COV-2 VACCINE INDICATION 1

**REMINDER DEFINITION**

VAL-IMMUNOCOMPROMISING DRUGS/LABS/DX FOR COVID-19

VAL-BL COVID-19 BOOSTER JANSSEN

VAL-COVID-19 BOOSTER AGE AND HIGH RISK

VAL-BL COVID-19 BOOSTER PFIZER

VAL-BL COVID-19 BOOSTER MODERNA

VA-SARS COV-2 IMMUNIZATION

**HEALTH SUMMARY TYPE**

SARS-COV-2 IMMUNIZATION

INDICATION BOOSTER DS COVID-19

INDICATION ADDL DOSE COVID-19

**HEALTH SUMMARY OBJECTS**

SARS-COV-2 IMMUNIZATION (TIU)

INDICATION BOOSTER DOSE COVID-19 (TIU)

INDICATION ADDL DOSE COVID-19 (TIU)

**TIU DOCUMENT DEFINITION**

SARS-COV-2 IMMUNIZATION

INDICATION BOOSTER DOSE COVID-19

INDICATION ADDL DOSE COVID-19

**REMINDER DIALOG**

VA-SARS-COV-2 IMMUNIZATION TEMPLATE

VA-SARS-COV-2 IMMUNIZATION

# Pre-Install

1. You should have installed update 173J and 173K prior to installing this update.
2. Back up all your lot numbers as described previously

<https://REDACTED/COVID-19_LOCAL_BACKUP_173K.pdf>

– this update WILL OVERWRITE all your lot numbers and you will need to re-install them after installing this update. Find the previously packed lot numbers in the Reminder Exchange file entries and repack it to update it – use the Repack (RP) command to pack a fresh copy.

1. Any local modifications to template fields or to the dialog will be overwritten. Please make note of your local modifications and evaluate whether they are still needed or valid prior to re-entering them in the post-install.
2. Terms that are likely to have local mappings are highlighted in yellow above and **you should not overwrite those**. Make a note of those.

# Install Details

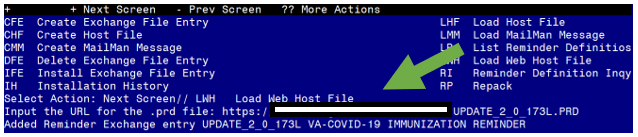
This update is being distributed as a web host file. The address for the host file is: **https://REDACTED /UPDATE\_2\_0\_173L.PRD**

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

# Install Example

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



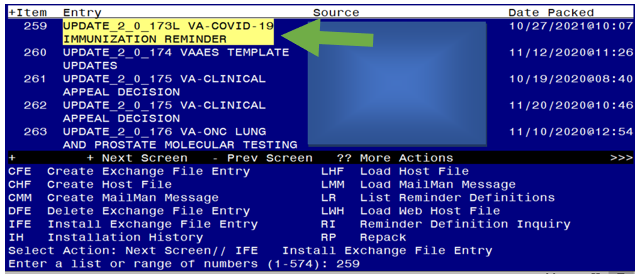
At the **Select Action:** prompt, enter **LWH** for Load Web Host File

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

**<https://REDACTED /UPDATE_2_0_173L.PRD>**

**You should see a message that the file was successfully loaded.**

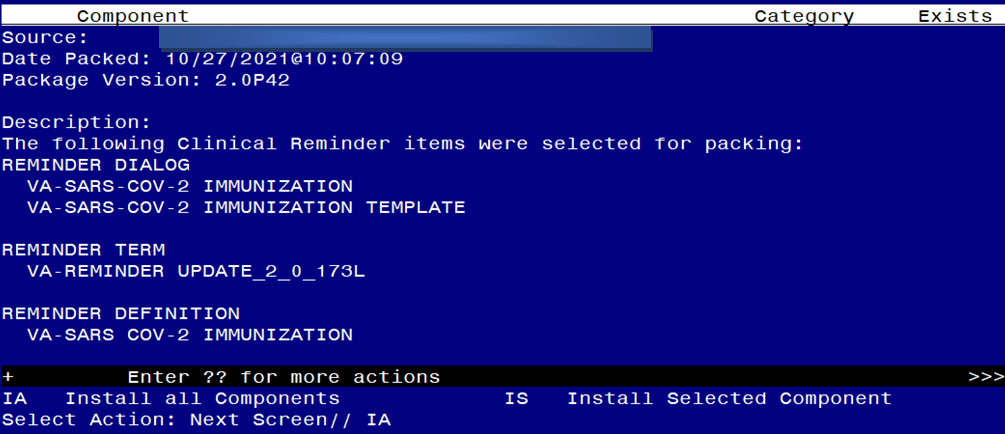
**Terminal window screen shot of the message displaying the URL of the file that was successfully loaded.  Part of the URL has been redacted as it is a VA only internal web site URL.**



Search and locate an entry titled **UPDATE\_2\_0\_173L 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\_173L VA-COVID-19 IMMUNIZATION REMINDER.**  *(in this example it is entry 259 it will vary by site).* The date of the exchange file should be 10/27/2021.



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

Any items that are NEW in any of the below categories, you should INSTALL

OVERWRITE any TIU TEMPLATE FIELDS that you are prompted to overwrite

SKIP any HEALTH FACTORS if you are prompted to overwrite

SKIP any REMINDER SPONSORS if you are prompted to overwrite

OVERWRITE any REMINDER TAXONOMIES that you are prompted to overwrite – the taxonomies in green above and listed again below have not been changed and do not need to be overwritten, if you are prompted SKIP them.

VA-IMMUNIZATION ICD10 CODE

VA-IMMUNOCOMPROMISED FOR COVID-19 ADDL DOSE

VA-HIV INFECTION

LONG TERM SYSTEMIC STEROID

VA-PNEUMOC DZ RISK - CHEMOTHERAPY

VA-IHD AND ASVD

VA-IMMUNOCOMPROMISED

VA-PALLI CONS CANCER/HEMA COND

VA-DIABETES

VA-HYPERTENSION

VA-TOBACCO USE

OVERWRITE any REMINDER TERMS that you are prompted to overwrite EXCEPT those that have local mappings as indicated in yellow above and listed again below. DO NOT overwrite your previously mapped terms for drugs and labs, if you are prompted SKIP the items below.

VA-CD4 COUNT

VA-STEROID PREDN EQUIV 5-6.6MG

VA-STEROID PREDN EQUIV 6.6-9MG

VA-STEROID PREDN EQUIV 10-19MG

VA-STEROID PREDN EQUIV >=20MG

TOBACCO USE EVER FOR COVID-19 BOOSTER

VA-COVID-19 VACCINATION CLINIC FUTURE APPT

VAL-SYSTEMIC STEROIDS

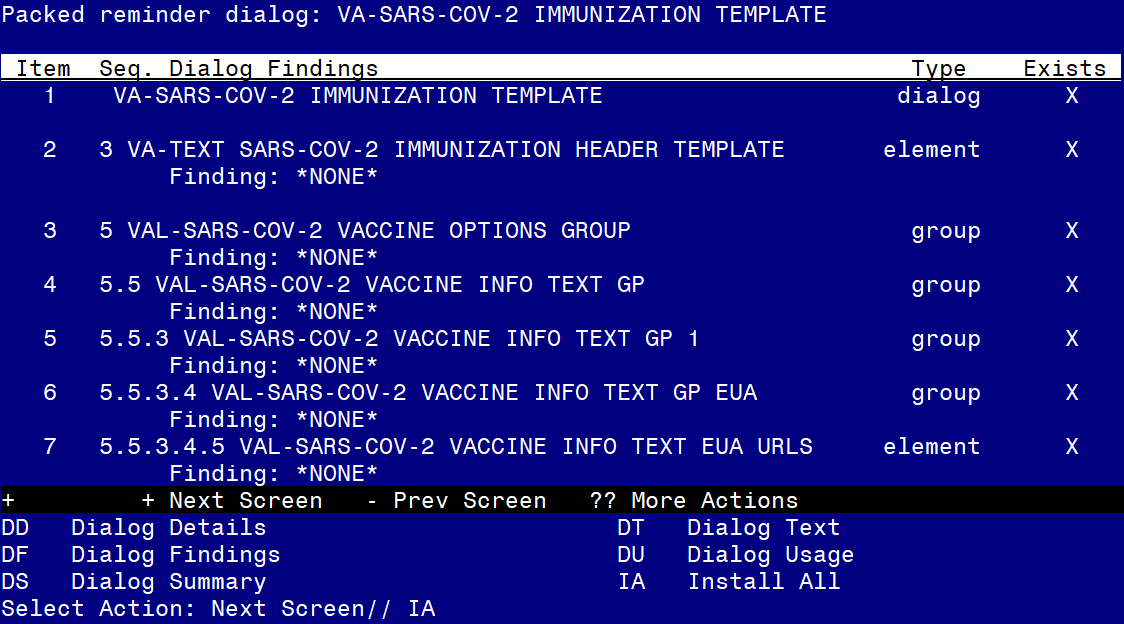
OVERWRITE any REMINDER DEFINITIONS that you are prompted to overwrite.

SKIP any HEALTH SUMMARY TYPE entries if you are prompted to overwrite

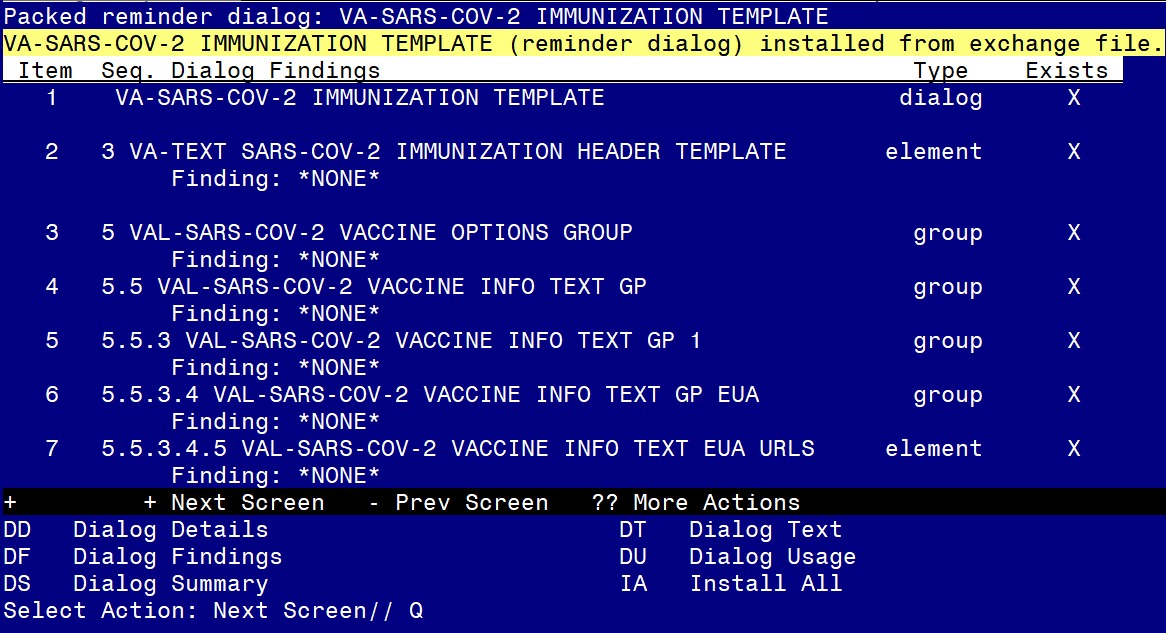
SKIP any HEALTH SUMMARY OBJECTS entries if you are prompted to overwrite

SKIP any TIU DOCUMENT DEFINITION entries if you are prompted to overwrite

You will then be prompted to install the dialog component. You will choose IA to install all even though some items will already have an X to indicate they exist.

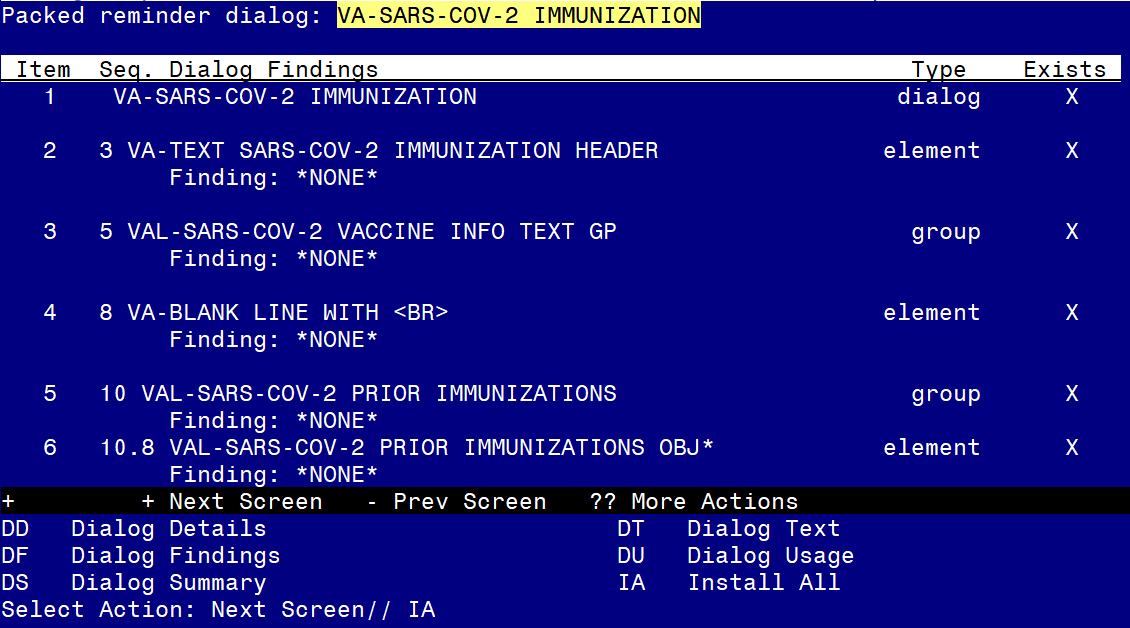


At the **Select Action** prompt, type **IA** to install the dialog – **SARS-COV-2 IMMUNIZATION TEMPLATE**

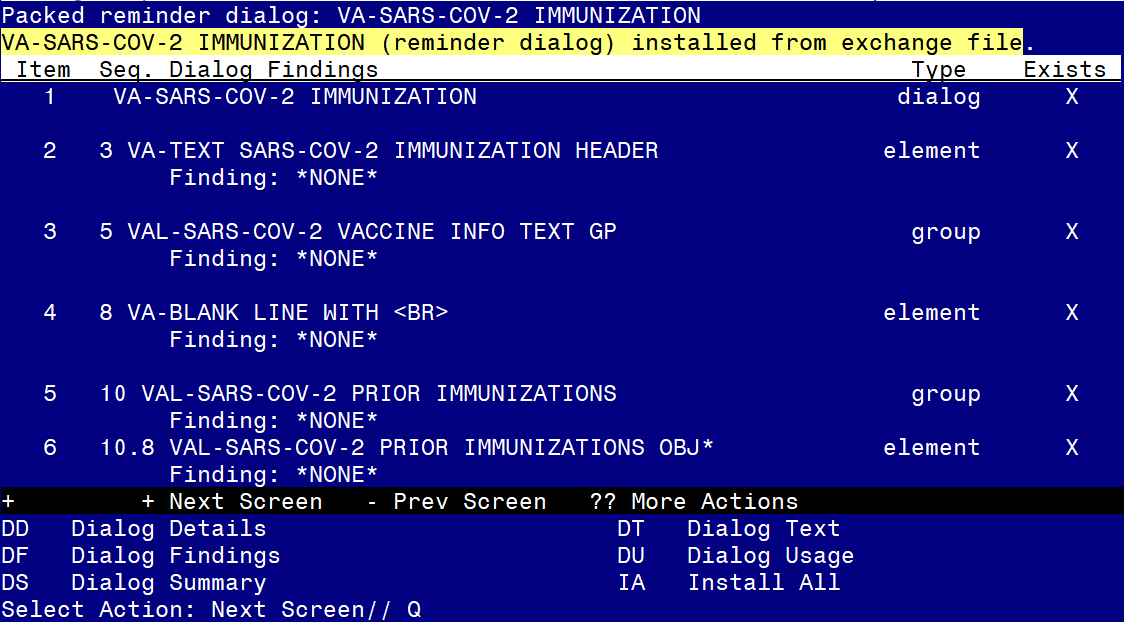
****

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

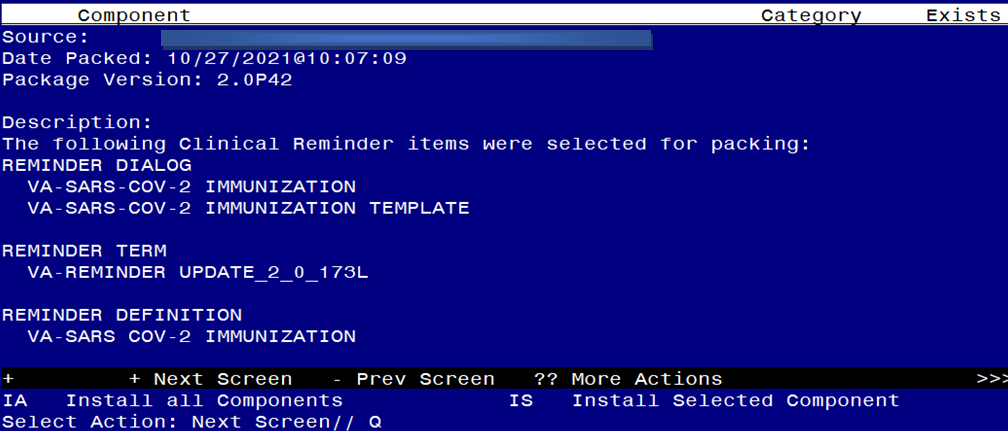
You will then be prompted to install the next dialog component. You will choose IA to install all even though some items will already have an X to indicate they exist.



At the **Select Action** prompt, type **IA** to install the dialog – **SARS-COV-2 IMMUNIZATION**

****

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



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

Install complete.

# Post-Installation

1. Reinstall your lot numbers from the backup exchange file created in the pre-install.
2. Re-enter any required local modifications.
3. Disable any dialog groups for vaccine types not in use at your site – E.g. if you are exclusively a Moderna & Janssen site, then disable the reminder dialog group for Pfizer: VAL-SARS-COV-2 VACCINE ADMIN D2 GP
4. If you use the scribe option, then re-enable it.