

**Update \_2\_0\_173N**

Clinical Reminders

VA-COVID-19 IMMUNIZATION REMINDER UPDATE

Install Guide

**December 2021**

Product Development

Office of Information Technology

Department of Veterans Affairs

Table of Contents

[Introduction 1](#_Toc86040273)

[Pre-Install 7](#_Toc86040274)

[Install Details 7](#_Toc86040275)

[Install Example 7](#_Toc86040276)

[Post-Installation 13](#_Toc86040277)

# Introduction

DESCRIPTION:

This reminder update sends out an updated version of the Covid Immunization reminder definition and a dialog component that is discussed below.

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

Reminder exchange entry UPDATE\_2\_0\_173N VA-COVID-19 IMMUNIZATION REMINDER

Updates are being made to have the reminder be due for patients for whom the Pfizer and Moderna vaccines are authorized for booster doses (age 18+) and also to match the new CDC guidance on time periods between doses.

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 is instructions for doing this.

**Instructions in the Power Point document COVID-19\_LOCAL\_BACKUP\_173I-508.**

Update reminder logic

1. Change to use the new CDC recommended intervals for first and second doses with grace periods. Was 1 day, now is >16 or >23 (4 day grace period).
2. Add refusal and deferral options to the reminder definition
   1. Refusal specifically of booster
   2. Deferral after clinical review and determination that no addl doses are needed

RT VA-SARS-COV-2 VACCINE REFUSAL Finding # 17 T-14

HF VA-SARS-COV-2 IMM REFUSAL - BOOSTER/ADDL DOSE Finding # 2 T-6M

HF VA-SARS-COV-2 VACCINE REFUSAL Finding # 1 T-14

RT VA-SARS-COV-2 VACCINE DEFERRAL Finding # 18

HF VA-SARS-COV-2 IMM CLIN REV NO ADDL DOSE Finding # 2 no limit set

HF VA-SARS-COV-2 VACCINE DEFERRED Finding # 1 T-30

1. Add COVAXIN to the terms where WHO approved, non-US vaccines are included; add Novavax to (b) and update the term description.
   1. VA-SARS-COV-2 VACCINE WHO APPROVED ALL (INCL US
   2. VA-SARS-COV-2 VACCINE WHO APPROVED NON-US COMPLETED
   3. VA-SARS-COV-2 VACCINES
2. Change from using a reminder definition for booster doses to instead use age 18+ as a computed finding in this term VA-SARS-COV-2 VACCINE INDICATION MRNA BOOSTER.

Dialog Updates:

1. Add new options for refusal specifically for booster and deferral of additional doses after clinical review
   1. These 2 options only show on patients who got prior doses that show a completed primary series and have the reminder due
2. Update the dialog URLs for CDC and add the link for booster
   1. VAL-SARS-COV-2 VACCINE INFO TEXT CDC URLS
3. Change the booster text to show for anyone who got prior mRNA vaccine and change the text to indicate 18+ as recommended to receive vaccine: VAL-SARS-COV-2 BOOSTER DOSE GP CDC BOOSTER INFO updated and 2 template fields also updated.
4. Add a text display under the immunocompromised dialog text to indicate the need for a booster 6 months later if there are 2 or more doses of mRNA vaccine already given
5. Add the links for CDC booster information and the text about recommended vs authorized to the 50+ section also
6. Remove the ‘exclude from progress note’ from 2 template fields

IM SARS COV-2 DOSE A1 #2 WARNING

IM SARS COV-2 DOSE C2 #B WARNING

1. Update these template fields to show age 5-17 for recent EUA

IM SARS COV-2 INFO TEXT EUA AGES

IM SARS COV-2 ADOLESCENT-CHILD APPROVAL TEXT

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

VA Kansas City

UPDATE\_2\_0\_173N contains 1 Reminder Exchange entry:

TIU TEMPLATE FIELD

1 IM SARS COV-2 A1 BOOSTER INFO

2 IM SARS COV-2 D2 BOOSTER INFO

3 IM SARS COV-2 C2 BOOSTER INFO

4 IM SARS COV-2 ADOLESCENT-CHILD APPROVAL TEXT

5 BLANK TEXT FIELD FOR DIALOGS

6 IM SCRIBE

7 IM SARS COV-2 OUTSIDE INSTR 2

8 IM SARS COV-2 OUTSIDE INSTR 1

9 IM SARS COV-2 OUTSIDE WARNING

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

11 IM SARS COV-2 D2 DOSE

12 IM SARS COV-2 DOSE D2 #B WARNING

13 IM SARS COV-2 D2 DOSE #3 BOOSTER

14 IM SARS COV-2 VIS/EUA INFO URL D2

15 IM SARS COV-2 ADMIN D2 INFO PRE TEXT

16 IM SARS COV-2 DOSE D2 #3 WARNING

17 IM SARS COV-2 D2 DOSE #3

18 IM SARS COV-2 DOSE #2 WARNING

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

20 IM SARS COV-2 VIS/EUA INFO URL E2

21 IM SARS COV-2 ADMIN E2 INFO PRE TEXT

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

23 IM SARS COV-2 E2 DOSE

24 IM SARS COV-2 DOSE E2 #3 WARNING

25 IM SARS COV-2 E2 DOSE #3

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

27 IM SARS COV-2 VA SIDE EFFECTS AE REPORTING

28 IM SARS COV-2 VIS/EUA INFO URL B1

29 IM SARS COV-2 ADMIN B1 INFO PRE TEXT

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

31 IM SARS COV-2 B1 DOSE

32 IM SARS COV-2 DOSE B1 #3 WARNING

33 IM SARS COV-2 B1 DOSE #3

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

35 IM SARS COV-2 VIS/EUA INFO URL A1

36 IM SARS COV-2 ADMIN A1 INFO PRE TEXT

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

38 IM SARS COV-2 A1 DOSE

39 IM SARS COV-2 DOSE SERIES BOOSTER WARNING

40 IM SARS COV-2 DOSE A1 #3 WARNING

41 IM SARS COV-2 A1 DOSE #3

42 IM SARS COV-2 DOSE A1 #2 WARNING

43 IM SARS COV-2 A1 DOSE #2

44 IM SARS COV-2 ADMIN INFO POST TEXT A1

45 IM SARS COV-2 VIS/EUA INFO URL C2

46 IM SARS COV-2 ADMIN C2 INFO PRE TEXT

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

48 IM SARS COV-2 C2 DOSE 1/2 DOSE

49 IM SARS COV-2 DOSE C2 #B WARNING

50 IM SARS COV-2 C2 DOSE #3 BOOSTER

51 IM SARS COV-2 C2 DOSE

52 IM SARS COV-2 DOSE C2 #3 WARNING

53 IM SARS COV-2 C2 DOSE #3

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

55 IM SARS COV-2 CDC VACCINE CLINICAL CONSIDERATIONS

BOOSTERURL

56 IM SARS COV-2 INFO TEXT EUA AGES

57 IM SARS COV-2 CDC VACCINE UNDERLYING CONDITIONS

58 IM SARS COV-2 CDC VACCINE ANAPHYLAXIS INFO URL

59 IM SARS COV-2 CDC VACCINE CLINICAL CONSIDERATIONS

URL

60 IM SARS COV-2 CDC VACCINE INFO URL

61 IM SARS COV-2 VA PRE SCREEN FORM

62 IM SARS COV-2 VHA VACCINE INFO URL

63 IM SARS COV-2 PROVIDER EUA FACT URL A1

64 IM SARS COV-2 PROVIDER EUA FACT URL D2

65 IM SARS COV-2 PROVIDER EUA FACT URL C2

IMMUNIZATION

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 (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 (JANSSEN), VECTOR-NR, RS-AD26, PF, 0.5 ML

COVID-19 (COVAXIN) IV NON-US VACCINE

COVID-19 (QAZCOVID-IN) IV NON-US VACCINE

COVID-19 NON-US VACCINE, PRODUCT UNKNOWN

COVID-19 (EPIVACCORONA) PS NON-US VACCINEX

COVID-19 (JIANGSU PROVINCE CENTERS FOR DISEASE

CONTROL AND PREVENTION) PS NON-US VACCINE

COVID-19 (ANHUI ZHIFEI LONGCOM BIOPHARMACEUTICAL

+ INSTITUTE OF MICROBIOLOGY) PS NON-US VACCINE

COVID-19 (CANSINO BIOLOGICAL INC./BEIJING

INSTITUTE OF BIOTECHNOLOGY) VVNR NON-US VACCINE

COVID-19 (COVIVAC) LAV NON-US VACCINE

COVID-19 (SPUTNIK LIGHT) VVNR NON-US VACCINE

COVID-19 (SPUTNIK V) VVNR NON-US VACCINE

COVID-19 (PFIZER), MRNA, LNP-S, PF, 30 MCG/0.3 ML

DOSE, TRIS-SUCROSE (AGES 12+ YEARS)

HEALTH FACTORS

66 REMINDER FACTORS [C]

67 VA-UPDATE\_2\_0\_173N

68 VA-COVID-19 [C]

69 VA-SARS-COV-2 IMM CLIN REV NO ADDL DOSE

70 IMMUNIZATION [C]

71 VA-SARS-COV-2 VACCINE DEFERRED

72 VA-SARS-COV-2 IMM REFUSAL - BOOSTER/ADDL DOSE

73 VA-SARS-COV-2 VACCINE REFUSAL

74 VA-SARS-COV-2 VACCINE CONTRAIND B1

75 VA-SARS-COV-2 VACCINE CONTRAIND A1

76 VA-SARS-COV-2 VACCINE CONTRAIND E2

77 VA-SARS-COV-2 VACCINE CONTRAIND C2

78 VA-SARS-COV-2 VACCINE CONTRAIND D2

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

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

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

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

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

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

85 COVID-19 VERBAL REPORT COVID VACCINE

86 VA-SARS-COV-2 VACCINE ANATOMIC SITE

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

REMINDER SPONSOR

88 NATIONAL CENTER FOR HEALTH PROMOTION AND DISEASE

PREVENTION (NCP)

89 VA NATIONAL CENTER FOR HEALTH PROMOTION AND

DISEASE PREVENTION (NCP)

REMINDER COMPUTED FINDINGS

VA-REMINDER DEFINITION

VA-AGE

VA-IS INPATIENT

VA-APPOINTMENTS FOR A PATIENT

REMINDER TAXONOMY

90 VA-IMMUNOCOMPROMISED FOR COVID-19 ADDL DOSE

91 VA-HIV INFECTION

92 LONG TERM SYSTEMIC STEROID

93 VA-PNEUMOC DZ RISK - CHEMOTHERAPY

94 VA-IMMUNIZATION ICD10 CODE

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

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

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

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

99 VA-SARS-COV-2 IMM ASTRAZENECA SERIES 3

100 VA-SARS-COV-2 IMM ASTRAZENECA SERIES 2

101 VA-SARS-COV-2 IMM ASTRAZENECA SERIES 1

102 VA-SARS-COV-2 IMM NOVAVAX SERIES 3

103 VA-SARS-COV-2 IMM NOVAVAX SERIES 2

104 VA-SARS-COV-2 IMM NOVAVAX SERIES 1

105 VA-SARS-COV-2 IMM JANSSEN SERIES 2

106 VA-SARS-COV-2 IMM JANSSEN SERIES 1

107 VA-SARS-COV-2 IMM PFIZER SERIES BOOSTER

108 VA-SARS-COV-2 IMM PFIZER SERIES 3

109 VA-SARS-COV-2 IMM PFIZER SERIES 2

110 VA-SARS-COV-2 IMM PFIZER SERIES 1

111 VA-SARS-COV-2 IMM MODERNA SERIES BOOSTER

112 VA-SARS-COV-2 IMM MODERNA SERIES 3

113 VA-SARS-COV-2 IMM MODERNA SERIES 2

114 VA-SARS-COV-2 IMM MODERNA SERIES 1

REMINDER TERM

115 VA-REMINDER UPDATE\_2\_0\_173N

116 VA-SARS-COV-2 IM DOSE NOT JANSSEN

117 VA-SARS-COV-2 VACCINE A1

118 VA-SARS-COV-2 IM DOSE NOT PFIZER

119 VA-CD4 COUNT

120 VA-STEROID PREDN EQUIV 5-6.6MG

121 VA-STEROID PREDN EQUIV 6.6-9MG

122 VA-STEROID PREDN EQUIV 10-19MG

123 VA-STEROID PREDN EQUIV >=20MG

124 VA-CHEMO/IMMUNOSUPPRESSIVE DRUGS

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

126 VA-SARS-COV-2 VACCINE INDICATION MRNA BOOSTER

127 VA-SARS-COV-2 VACCINE D2

128 VA-SARS-COV-2 IM DOSE NOT MODERNA

129 VA-SARS-COV-2 VACCINE C2

130 VA-COVID-19 ADOLESCENT AGE RANGE

131 VA-CURRENT INPATIENT

132 VA-COVID-19 VACCINATION CLINIC FUTURE APPT

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

134 VAL-SYSTEMIC STEROIDS

135 VA-SARS-COV-2 VACCINE DEFERRAL

136 VA-SARS-COV-2 VACCINE REFUSAL

137 VA-SARS-COV-2 VACCINE CONTRAINDICATION

138 VA-SARS-COV-2 VACCINE E2

139 VA-SARS-COV-2 VACCINE B1

140 VA-SARS-COV-2 VACCINE INDICATION AGE

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

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

COMPLETED

143 VA-SARS-COV-2 VACCINE INDICATION 5

144 VA-SARS-COV-2 VACCINE INDICATION 4

145 VA-SARS-COV-2 VACCINE INDICATION 3

146 VA-SARS-COV-2 VACCINE INDICATION 2

147 VA-SARS-COV-2 VACCINE INDICATION 1

148 VA-SARS-COV-2 VACCINE FOR BL

149 VA-SARS-COV-2 VACCINE DOSE C IN STD SERIES

150 VA-SARS-COV-2 VACCINE A1 1 DOSE

151 VA-SARS-COV-2 VACCINE D2 3 DOSE

152 VA-SARS-COV-2 VACCINE D2 2 DOSE

153 VA-SARS-COV-2 VACCINE D2 1 DOSE

154 VA-SARS-COV-2 VACCINE C2 3 DOSE

155 VA-SARS-COV-2 VACCINE C2 2 DOSE

156 VA-SARS-COV-2 VACCINE C2 1 DOSE

157 VA-SARS-COV-2 VACCINE E2 2 DOSE

158 VA-SARS-COV-2 IM DOSE NOT ASTRAZENECA

159 VA-SARS-COV-2 VACCINE E2 1 DOSE

160 VA-SARS-COV-2 VACCINE B1 2 DOSE

161 VA-SARS-COV-2 VACCINE B1 1 DOSE

162 VA-SARS-COV-2 IM DOSE NOT NOVAVAX

163 VAL-SARS-COV-2 VACC FOR BOOSTER BL

REMINDER DEFINITION

164 VAL-BL COVID-19 BOOSTER JANSSEN

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

166 VAL-BL COVID-19 BOOSTER PFIZER

167 VAL-BL COVID-19 BOOSTER MODERNA

168 VA-SARS COV-2 IMMUNIZATION

HEALTH SUMMARY COMPONENT

PCE IMMUNIZATIONS SELECT CHRON

CLINICAL REMINDERS FINDINGS

HEALTH SUMMARY TYPE

169 SARS-COV-2 IMMUNIZATION

170 INDICATION ADDL DOSE COVID-19

HEALTH SUMMARY OBJECTS

171 SARS-COV-2 IMMUNIZATION (TIU)

172 INDICATION ADDL DOSE COVID-19 (TIU)

TIU DOCUMENT DEFINITION

173 SARS-COV-2 IMMUNIZATION

174 INDICATION ADDL DOSE COVID-19

REMINDER DIALOG

175 VA-SARS-COV-2 IMMUNIZATION TEMPLATE

176 VA-SARS-COV-2 IMMUNIZATION

# Pre-Install

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

[Covid Lot # Backup](https://vaww.infoshare.va.gov/sites/chio/NCRW/NCR/Install%20Guides/Update_2_0_173I%20VA-COVID-19%20Immunization%20Reminder%20Update/COVID-19_LOCAL_BACKUP_173I.pptx)

– 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 GREEN above and **you should not overwrite those**. Make a note of those.
3. Items in yellow have been changed or are new and you should expect to install or overwrite those.

# Install Details

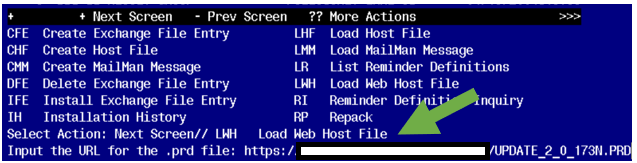
This update is being distributed as a web host file. The address for the host file is: **https://Redacted /UPDATE\_2\_0\_173N.PRD**

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:

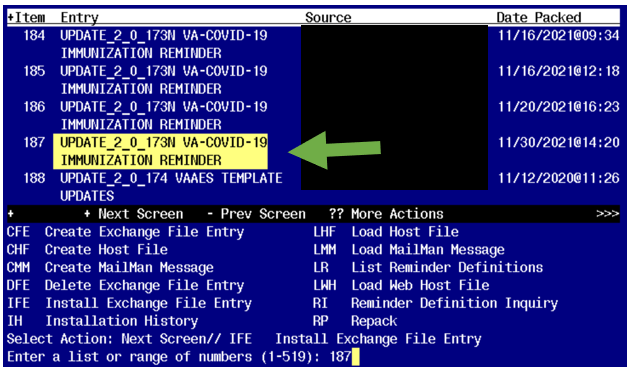
[**https://Redacted/UPDATE\_2\_0\_173N.PRD**](https://Redacted/UPDATE_2_0_173N.PRD)

**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.**

**This will install one exchange entries in your exchange file**

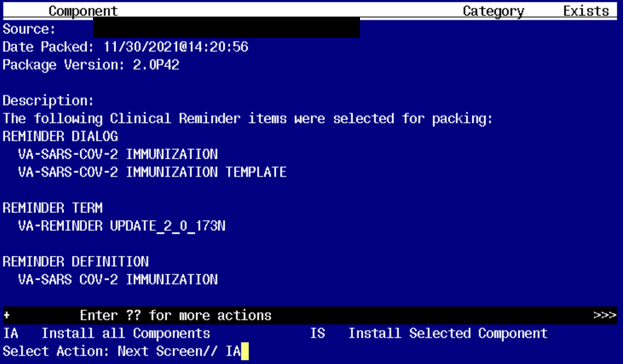
Added Reminder Exchange entry UPDATE\_2\_0\_173N VA-COVID-19 IMMUNIZATION REMINDER



Search and locate an entry titled **UPDATE\_2\_0\_173N 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\_173N VA-COVID-19 IMMUNIZATION REMINDER.**  *(in this example it is entry 187 it will vary by site).* The date of the exchange file should be 11/30/2021.

****

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

SKIP any REMINDER TAXONOMIES you are prompted to overwrite EXCEPT

VA-SARS-COV-2 IMM JANSSEN SERIES 2 This should be OVERWRITE action

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

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-COVID-19 VACCINATION CLINIC FUTURE APPT

VAL-SYSTEMIC STEROIDS

OVERWRITE this REMINDER DEFINITION:

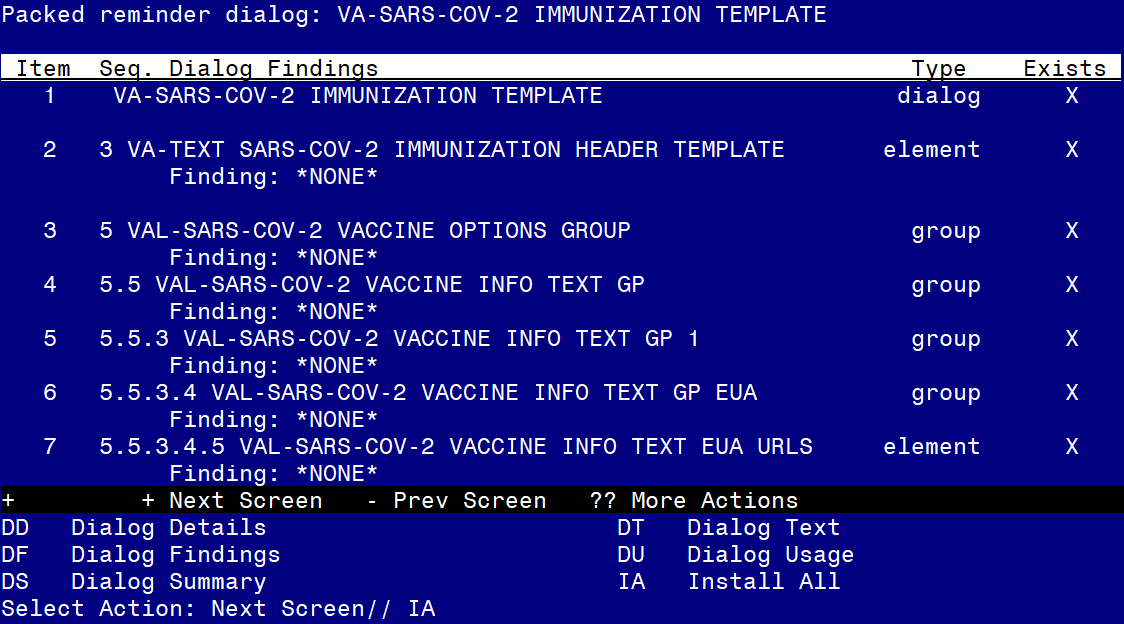
VA-SARS COV-2 IMMUNIZATION and

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

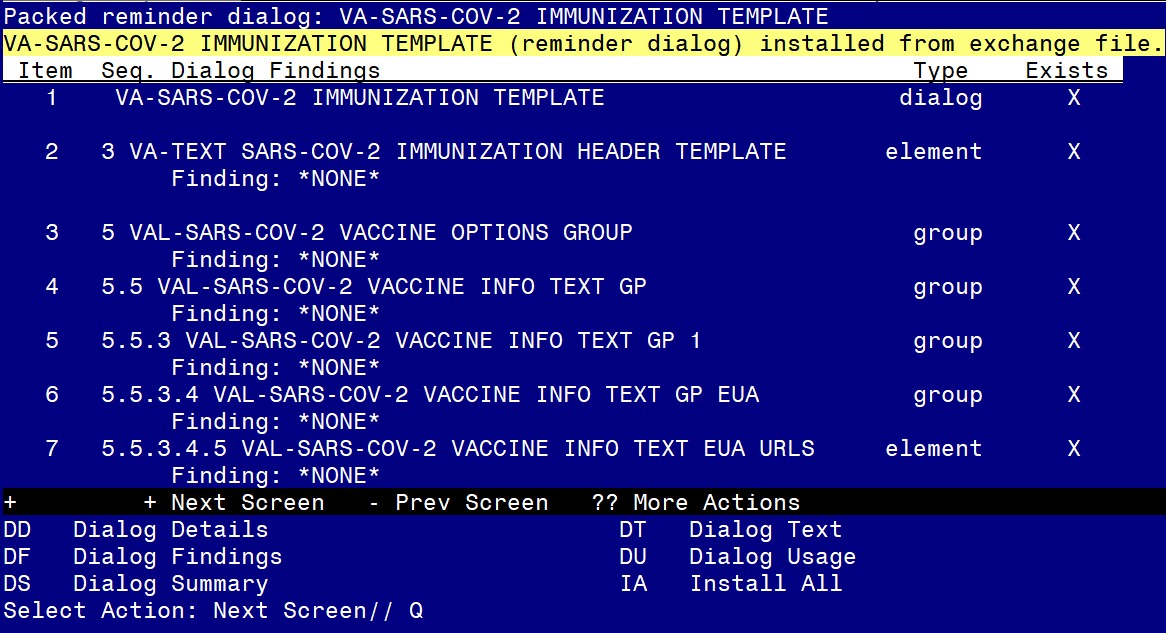
SKIP any HEALTH SUMMARY OBJECTS entries if you are prompted to overwrite

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.

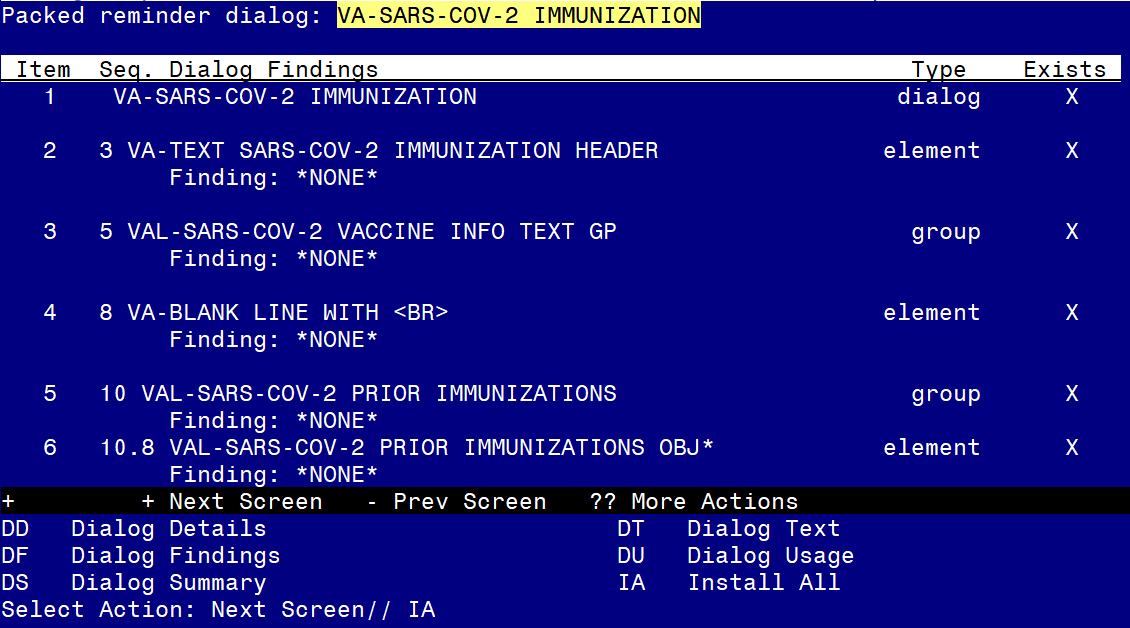


At the **Select Action** prompt, type **IA** to install the dialog – **SARS-COV-2 IMMUNIZATION TEMPLATE**

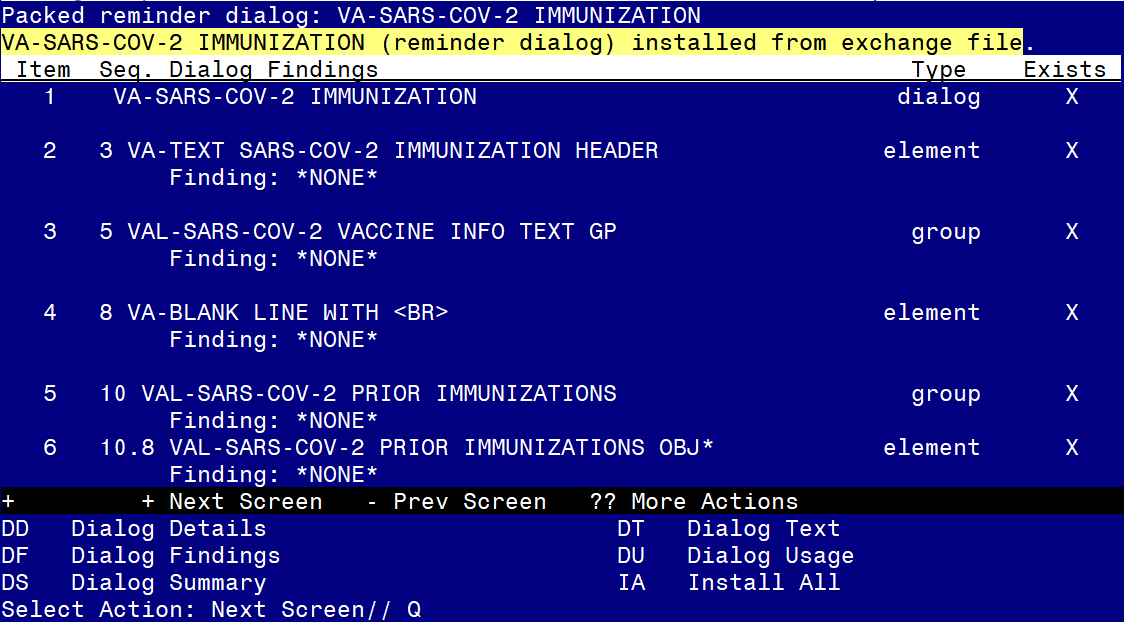
****

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

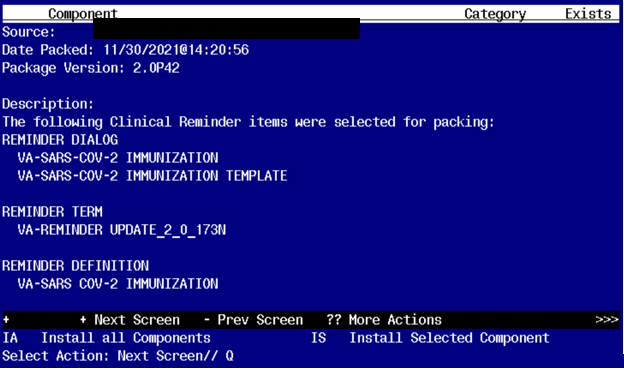
You will then be prompted to install the next dialog component. You will choose IA to install all even though some items will already have an X to indicate they exist.



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 dialog group for Pfizer:  
   Group: VAL-SARS-COV-2 VACCINE ADMIN D2 GP
4. If you use the scribe option, then re-enable it.