Update _2_0_69

Clinical Reminders

Anti-CD20 Clinical Reminder
Order Check and Reminder

Hepatitis B Reminder Updates

Install Guide

July 2019

Product Development
Office of Information Technology
Department of Veterans Affairs
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Introduction

Patients with chronic hepatitis B (HBV) infection or prior exposure are at risk for HBV reactivation if they receive immunosuppressive therapy, such as anti-cluster of differentiation (CD)20 antibody (Ab) treatment. Anti-CD20 Abs, commercially available as rituximab, obinutuzumab, ocrelizumab and ofatumumab, are a key component of treatment regimens for selected hematologic and rheumatologic conditions.

In patients receiving anti-CD20 Ab treatment, HBV reactivation can result in hepatitis (33%-100%), liver failure (10%-13%), and death (3%-5%). Between 17% and 55% of individuals with past or chronic HBV infection may experience reactivation unless they receive antiviral prophylaxis. HBV reactivation is also associated with chemotherapy disruption and increased cancer mortality. HBV antiviral prophylaxis prevents reactivation in up to 98% of at-risk patients receiving anti-CD20 Ab therapy.

To identify and treat patients at risk for reactivation, HBV serologies must be obtained before starting anti-CD20 Ab therapy. Patients with evidence of prior Hepatitis B infection (HBcAb+ or HBsAg+) should be started on anti-viral prophylaxis prior to receiving anti-CD20 mediations and for 12 months after completing anti-CD20 treatment.

This order check prompts for serology if not done and for treatment for HBV if the patient has serologic results indicating prior infection with HBV. The order check is meant to catch any patients missing either serology or treatment if indicated at the time of ordering the anti-CD20 drug. The 2 clinical reminders will be due if the anti-CD20 treatment has already been ordered and if serology has not been done or treatment is indicated and has not been ordered.

This update also includes changes to the two Hepatitis B reminder definitions.

VA-HEPATITIS B IMMUNIZATION
VA-HEPATITIS B SEROLOGY/IMMUNIZATION

HEP B IMMUNIZATION

Modify the condition for the lab test positives to include logic for sites that use "P" and "REAC"
This applies to Findings 7, 8, and 21
Change this:
I +V>0!(V["POS"]!(V="REACTIVE")!(V[">")

To this
I +V>0!($E(V,1,1)="R")!($E(V,1,1)="P")!(V[">")

Modify the condition for negative results in FI(6)
Change this:
I (V["neg"]!(V["nr"]!(V["non"]!(V["NG"]!(V["BOR"]&'(V="pending")
To this:
I $V=0!(V["<"])!(SE(V,1,1)="N")!(V["BOR"])

Add HBsAg+ to the exclusions in this reminder
Old:
((FI(1)!(FI(2)&FF(2)))&(FI(6)!FI(9)))!FI(15)!FI(16)&'(FI(5)!FI(8)!FI(14)!FI(18)!FI(20)&FF(19))!FI(21))
New:
((FI(1)!(FI(2)&FF(2)))&(FI(6)!FI(9)))!FI(15)!FI(16)&'(FI(5)!FI(7)![FI(12)]!FI(14)!FI(18)!FI(20)&FF(19))!FI(21))

HEP B SEROLOGY/IMMUNIZATION

Modify the condition for the lab test positives to include logic for sites that use "P" and "REAC"
This applies to Findings 7 and 8
Change this:
I $V>0!(V["POS"]!(V="REACTIVE")!(V[">")
To this:
I $V>0!(SE(V,1,1)="R")!(SE(V,1,1)="P")!(V[">")

One new Taxonomy is added and one is updated.
VA-HEPATITIS B RISK updated to include one additional taxonomy which is new: VA-HEPATIC STEATOSIS

Reminder taxonomy VA-CHRONIC LIVER DISEASE (NON-HBV/HCV) updated with some additional ICD10 codes listed below.

<table>
<thead>
<tr>
<th>Code</th>
<th>Date</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>K75.81</td>
<td>10/1/2015</td>
<td>Nonalcoholic Steatohepatitis</td>
</tr>
<tr>
<td>K75.89</td>
<td>10/1/2015</td>
<td>Other specified Inflammatory Liver Diseases</td>
</tr>
<tr>
<td>K75.9</td>
<td>10/1/2015</td>
<td>Inflammatory Liver Disease, unspecified</td>
</tr>
<tr>
<td>K76.5</td>
<td>10/1/2015</td>
<td>Hepatic Veno-Occlusive Disease</td>
</tr>
<tr>
<td>K76.6</td>
<td>10/1/2015</td>
<td>Portal Hypertension</td>
</tr>
<tr>
<td>K76.7</td>
<td>10/1/2015</td>
<td>Hepatorenal Syndrome</td>
</tr>
<tr>
<td>K76.81</td>
<td>10/1/2015</td>
<td>Hepatopulmonary Syndrome</td>
</tr>
<tr>
<td>K76.89</td>
<td>10/1/2015</td>
<td>Other specified Diseases of Liver</td>
</tr>
<tr>
<td>K76.9</td>
<td>10/1/2015</td>
<td>Liver Disease, unspecified</td>
</tr>
</tbody>
</table>

Updated dialog element VAL-HBV/HAV ADMIN LOCATION dialog text to change “1.0 ml” to “1 ml”
Install Details

Pre Install: Print out a reminder inquiry of the following 2 reminder definitions:
VA-HEPATITIS B IMMUNIZATION
VA-HEPATITIS B SEROLOGY/IMMUNIZATION

In the post install section, you will verify that changes were made

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_69.PRD
The following reminder content is included in this UPDATE:

**HEALTH FACTORS**
OUTSIDE SEROLOGY  
OUTSIDE HEPATITIS B SURFACE AG POSITIVE  
OUTSIDE HEPATITIS B CORE AB POSITIVE  
OUTSIDE HEPATITIS B CORE AB NEGATIVE  
VA-REMINDER UPDATES  
VA-UPDATE_2_0_69  
HEPATITIS C  
HEPATITIS B VACCINATION NOT INDICATED  
HEPATITIS B SEROLOGY NOT INDICATED  
IMMUNIZATION  
HEPATITIS B VACCINATION DEFER TEMPORARY  
REFUSED HEPATITIS B VACCINE  
REFUSED HEPATITIS B SEROLOGY  
OUTSIDE HEPATITIS B SURFACE AB POSITIVE  
OUTSIDE HEPATITIS B SURFACE AB NEGATIVE  
OUTSIDE HEPATITIS B SURFACE AG NEGATIVE  
REMINDER FACTORS  
LIFE EXPECTANCY < 6 MONTHS  
INCORRECT DIAGNOSES  
INCORRECT DIABETES DIAGNOSIS  
OUTSIDE HEPATITIS A SEROPOSITIVE  
HEPATITIS B  
HBV TREATMENT DECLINED (ANTI-CD20)

**REMEMBER SPONSOR**
VA National Center for Health Promotion and Disease Prevention (NCP)  
VHA ONCOLOGY  
Mental Health Services  
National Center for Health Promotion and Disease Prevention (NCP)  
VHA Cardiology Services  
Office of Patient Care Services  
Office of Public Health and Environmental Hazards  
Office of Quality & Performance

**REMEMBER TAXONOMY**
VA-TERMINAL CANCER PATIENTS  
VA-DIABETES  
VA-CIRRHOSIS  
VA-CHRONIC LIVER DISEASE (NON-HBV/HCV)  
VA-GASTRIC VARICES  
VA-HEPATIC FIBROSIS  
VA-HEPATITIS B RISK DRUG USE  
VA-HEPATITIS B RISK SEXUAL TRANSMISSION  
VA-END STAGE RENAL DISEASE  
VA-ESOPHAGEAL VARICES  
VA-HIV INFECTION  
VA-HEPATITIS C INFECTION
VA-IMMUNIZATION INJECTION 90471

REMINDER TERM
VA-HEPATITIS B CORE ANTIBODY (IGG/TOTAL)
VA-HEPATITIS B SURFACE ANTIBODY
VA-ANTI-CD20 DRUGS
VA-HIV SEROLOGY
VA-HEPATITIS B TREATMENT DRUGS
VA-OUTSIDE HEPATITIS B SURFACE AG POSITIVE
VA-OUTSIDE HEPATITIS B CORE AB POSITIVE
VA-OUTSIDE HEPATITIS B CORE AB NEGATIVE
VA-HEPATITIS B SURFACE ANTIGEN
VA-REMINDER UPDATE_2_0_69
VA-HEPATITIS B IMMUNIZATION NOT INDICATED
VA-HEPATITIS B SEROLOGY NOT INDICATED
VA-HEPATITIS B IMMUNIZATION REFUSED/DEFERRED
VA-HEPATITIS B SEROLOGY REFUSED/DEFERRED
VA-HEPATITIS B IMMUNIZATION ADJUVANT
VA-HEPATITIS B IMMUNIZATION 3/4 DOSE SERIES
VA-OUTSIDE HEPATITIS B SURFACE AB POSITIVE
VA-OUTSIDE HEPATITIS B SURFACE AB NEGATIVE
VA-OUTSIDE HEPATITIS B SURFACE AG NEGATIVE
VA-LIFE EXPECTANCY < 6 MONTHS
VA-DIABETES DX INCORRECT
VA-DIABETES DX
VA-HEPATITIS B RISK
VA-HEPATITIS A VACCINATION INDICATED
VA-HEPATITIS A IMMUNE/SEROPOS
VA-HEPATITIS A SEROLOGY IGG/TOTAL
VA-BL HBV SEROLOGY SECTION SUPPRESS
VA-LAST SERVICE SEPARATION >1/1/2001
VA-HBV ADMINISTRATION SUPPRESSION
VA-HEPATITIS B PHARMACY/NURSING ORDERABLE ITEM
VA-HEPATITIS B IMMUNIZATION STD ONLY

REMINDER DEFINITION
VA-OC HBV SCREEN FOR ANTI-CD20 TREATMENT
VA-HEPATITIS B SEROLOGY/IMMUNIZATION
VA-BL HBV SEROLOGY SECTION SUPPRESS
VA-HEPATITIS B IMMORDERABLE ITEMS OBJECT
VA-HEPATITIS B IMMUNIZATION
VA-HBV TREATMENT FOR ANTI-CD20 THERAPY
VA-HBV SCREEN FOR ANTI-CD20 THERAPY

REMINDER DIALOG
VA-HEPATITIS B SEROLOGY/IMMUNIZATION
VA-HEPATITIS B IMMUNIZATION
VA-HBV TREATMENT FOR ANTI-CD20 THERAPY
VA-HBV SCREEN FOR ANTI-CD20 THERAPY

REMINDER ORDER CHECK RULES
VA-HBV / ANTI-CD20 THERAPY
TIU TEMPLATE FIELD
BLANK TEXT FIELD FOR DIALOGS
PBM HEPLISAV-B PATIENT FAQ
PBM HEPLISAV-B PROVIDER FAQ
PBM HEPLISAV-B MONOGRAPH
NCP HAV IMMUNIZATION GUIDANCE
NCP HBV IMMUNIZATION GUIDANCE
IM VIS HBV URL
IM VIS HAV URL
IM VIS HAV/HBV DT
IM COMMENT COMPLICATIONS
IM HAV/HBV ADJ LOT# EXP DATE
IM HAV/HBV MANUF
IM INJECTION RIGHT/LEFT
IM VIS HBV ADJ URL
IM VIS HBV DT
IM HBV ADJ LOT# EXP DATE
IM HBV ADJ MANUF
IM HBV LOT# EXP DATE
IM HBV MANUF
IM HBV DOSE
HBV FDA BOXED WARNING ANTI-CD20
HBV AASLD GUIDELINES

HEALTH SUMMARY COMPONENT
PCE HEALTH FACTORS SELECTED
LAB CUMULATIVE SELECTED 1
CLINICAL REMINDERS FINDINGS
LAB CUMULATIVE SELECTED 2

HEALTH SUMMARY TYPE
OB HAV HBV SEROLOGY OUTSIDE
OB HAV HBV SEROLOGY
VA-HEP B IMMUNIZATIONS
OB HBV ANTI CD20 LABS

HEALTH SUMMARY OBJECTS
HAV HBV SEROLOGY OUTSIDE (TIU)
HAV HBV SEROLOGY
VA-HEP B IMMUNIZATIONS (TIU)
HBV ANTI CD20 LABS (TIU)

TIU DOCUMENT DEFINITION
HAV HBV SEROLOGY OUTSIDE
HAV HBV SEROLOGY
VA-HEP B IMMUNIZATIONS
HBV ANTI CD20 LABS
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 thirty minutes.

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

```
+   + Next Screen - Prev Screen ?? More Actions >>>
CFE  Create Exchange File Entry  LHF  Load Host File
CHF  Create Host File  LMM  Load MailMan Message
CMM  Create MailMan Message  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_69.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_69.PRD

Once loaded you will see a message that the exchange file was successfully loaded.

If your site is unable to use LWH, then use LMM to load mail message. Once loaded, you will see something like below…

```
Loading MailMan message number 1173893
Added Exchange entry UPDATE_2_0_69 ROC ANTI-CD20/HEP B UPDATES

Clinical Reminder Exchange  Apr 23, 2019@13:16:23  Pa
MailMan message 1173893 successfully loaded.
```
Navigate to the exchange entry named **UPDATE_2_0_69 ROC ANTI-CD20/HEP B UPDATES**

<table>
<thead>
<tr>
<th>Item</th>
<th>Entry</th>
<th>Source</th>
<th>Date Packed</th>
</tr>
</thead>
<tbody>
<tr>
<td>111</td>
<td>UPDATE_2_0_69 ROC ANTI-CD20/HEP B UPDATES</td>
<td>MONTGOMERY@SALT LAKE CI</td>
<td>05/28/2019@07:57</td>
</tr>
<tr>
<td>112</td>
<td>UPDATE_2_0_69 ROC ANTI-CD20/HEP B UPDATES</td>
<td>MONTGOMERY@SALT LAKE CI</td>
<td>07/03/2019@10:13</td>
</tr>
<tr>
<td>113</td>
<td>UPDATE_2_0_7</td>
<td>MONTGOMERY@SALT LAKE CI</td>
<td>10/06/2015@11:24</td>
</tr>
<tr>
<td>114</td>
<td>UPDATE_2_0_70 VA-VHA CHOICE/PC CC APPROVAL FOR MEDICAL CARE</td>
<td>GRIFFITH@SALT LAKE CI</td>
<td>12/14/2018@07:59</td>
</tr>
<tr>
<td>115</td>
<td>UPDATE_2_0_71 VA-ORAL CARE TEMPLATE</td>
<td>SMALLEY@SALT LAKE CI</td>
<td>12/20/2018@09:50</td>
</tr>
<tr>
<td>116</td>
<td>UPDATE_2_0_8 MH UPDATES</td>
<td>MONTGOMORY@SALT LAKE CI</td>
<td>11/30/2016@15:19</td>
</tr>
</tbody>
</table>

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

Enter the number that corresponds with your entry **UPDATE_2_0_69 ROC ANTI-CD20/HEP B UPDATES** (in this example it is entry 112, it will vary by site) Ensure that the date/time of the exchange entry is **07/03/2019@10:13:08**
At the **Select Action** prompt, type **IA** for Install all Components and hit enter.

If you have any question about the correct lab tests your site is using, please contact your LIM to ensure you are using the correct test. IF you have the incorrect test, this could cause your reminder to not function appropriately.

Here are the general rules when installing.

1. If a component is NEW, use the INSTALL action
2. If a component EXISTS, but is different, use the OVERWRITE action EXCEPT for below items….if you see these terms as needing an ACTION, follow the instructions below to keep from removing your local mapped items
3. The following terms should use the MERGE action
   a. VA-HEPATITIS B SURFACE ANTIBODY
   b. VA-HEPATITIS B SURFACE ANTIGEN
   c. VA-HEPATITIS A IMMUNE/SEROPOS
   d. VA-HEPATITIS A SEROLOGY IGG/TOTAL
   e. VA-HEPATITIS A VACCINATION INDICATED
   f. VA-DIABETES DX INCORRECT
   g. VA-HEPATITIS B CORE ANTIBODY (IGG/TOTAL)
h. VA-OUTSIDE HEPATITIS B CORE AB POSITIVE
i. VA-HEPATITIS B IMMUNIZATION 3/4 DOSE SERIES
j. VA-HEPATITIS B RISK
k. VA-LIFE EXPECTANCY < 6 MONTHS

4. The following term should use the SKIP action to avoid removing HEPB-CPG Immunization from this term.
   a. VA-HEPATITIS B IMMUNIZATION ADJUVANT

5. The following HEALTH SUMMARY TYPE should use the SKIP action
   a. OB HAV HBV SEROLOGY OUTSIDE
   b. OB HBV ANTICD20 LABS
   c. OB HAV HBV SEROLOGY

6. If installer is prompted to REPLACE IM HEP B, ADJUVANTED, be sure and replace with IM HEPB-CPG.
The order of dialog installs may not exactly match what is in this guide. Pay close attention to the names of the dialogs being installed.

You will be prompted to install the FIRST reminder dialog component: You do not need to install this one, so type Q to quit.

<table>
<thead>
<tr>
<th>Item</th>
<th>Seq.</th>
<th>Dialog</th>
<th>Findings</th>
<th>Type</th>
<th>Exists</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td></td>
<td>VA-HEPATITIS B SEROLOGY/IMMUNIZATION</td>
<td></td>
<td>dialog</td>
<td>X</td>
</tr>
<tr>
<td>2</td>
<td></td>
<td>VA-HEPATITIS B SEROLOGY/IMMUNIZATION VERSION</td>
<td><em>NONE</em></td>
<td>element</td>
<td>X</td>
</tr>
<tr>
<td>3</td>
<td></td>
<td>VA-GP HBV SEROLOGY SECTION DISPLAY*</td>
<td></td>
<td>group</td>
<td>X</td>
</tr>
<tr>
<td>4</td>
<td></td>
<td>VA-HBV TEXT INTRO</td>
<td><em>NONE</em></td>
<td>element</td>
<td>X</td>
</tr>
<tr>
<td>5</td>
<td></td>
<td>VA-HBV TEXT SERVICE AFTER 2001</td>
<td><em>NONE</em></td>
<td>element</td>
<td>X</td>
</tr>
<tr>
<td>6</td>
<td></td>
<td>VA-GP HBV TEXT PARENT</td>
<td><em>NONE</em></td>
<td>group</td>
<td>X</td>
</tr>
<tr>
<td>7</td>
<td></td>
<td>VAL-GP HBV TEXT URL INFO</td>
<td><em>NONE</em></td>
<td>element</td>
<td>X</td>
</tr>
</tbody>
</table>

Select Action: Next Screen// Q
You will be prompted to install the second reminder dialog component: You do not need to install this one, so type Q for quit.

<table>
<thead>
<tr>
<th>Item</th>
<th>Seq. Dialog Findings</th>
<th>Type</th>
<th>Exists</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>VA-HEPATITIS B IMMUNIZATION</td>
<td>dialog</td>
<td>X</td>
</tr>
<tr>
<td>2</td>
<td>1 VA-HEPATITIS B IMMUNIZATION VERSION Finding: <em>NONE</em></td>
<td>element</td>
<td>X</td>
</tr>
<tr>
<td>3</td>
<td>4 VA-GP HBV SEROLOGY SECTION DISPLAY IMMUNIZATION Finding: <em>NONE</em></td>
<td>group</td>
<td>X</td>
</tr>
<tr>
<td>4</td>
<td>4.2 VAL-HEPATITIS B HS OBJECT Finding: <em>NONE</em></td>
<td>element</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>4.5 VA-HBV TEXT INTRO IMMUNIZATION Finding: <em>NONE</em></td>
<td>element</td>
<td>X</td>
</tr>
<tr>
<td>6</td>
<td>4.7 VA-HBV TEXT SERVICE AFTER 2001 Finding: <em>NONE</em></td>
<td>element</td>
<td>X</td>
</tr>
<tr>
<td>7</td>
<td>4.10 VA-GP HBV TEXT PARENT IMMUNIZATION Finding: <em>NONE</em></td>
<td>group</td>
<td>X</td>
</tr>
</tbody>
</table>
You will be prompted to install the third reminder dialog component:

<table>
<thead>
<tr>
<th>Item</th>
<th>Seq. Dialog Findings</th>
<th>Type</th>
<th>Exists</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>VA-HBV TREATMENT FOR ANTI-CD20 THERAPY</td>
<td>dialog</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>5 VAL-GP TEXT HBV ANTI-CD20 INTRO</td>
<td>group</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Finding: <em>NONE</em></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>5.5 VAL-GP TEXT HBV ANTI-CD20 INTRO DETAILS PARENT TREATMENT</td>
<td>group</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Finding: <em>NONE</em></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>5.5.10 VAL-TEXT HBV ANTI-CD20 INTRO DETAILS TREATMENT</td>
<td>element</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Finding: <em>NONE</em></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>5.10 VAL-GP TEXT HBV ANTI-CD20 RESULTS PARENT OPEN</td>
<td>group</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Finding: <em>NONE</em></td>
<td></td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>5.10.10 VAL-GP TEXT HBV ANTI-CD20 RESULTS</td>
<td>element</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Finding: <em>NONE</em></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Select IA to install dialog VA-HBV TREATMENT FOR ANTI-CD20 THERAPY.

All dialog components for VA-HBV TREATMENT FOR ANTI-CD20 THERAPY are new.
Install reminder dialog and all components with no further changes: Y/

To link the dialog to the reminder definition, take the default.
Reminder Dialog VA-HBV TREATMENT FOR ANTI-CD20 THERAPY is not linked to a reminder.

Select Reminder to Link: VA-HBV TREATMENT FOR ANTI-CD20 THERAPY//
Once the dialog is installed, you will be returned to this screen. Choose Q to quit

<table>
<thead>
<tr>
<th>Item</th>
<th>Seq. Dialog Findings</th>
<th>Type</th>
<th>Exists</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>VA-HBV TREATMENT FOR ANTI-CD20 THERAPY</td>
<td>dialog</td>
<td>X</td>
</tr>
<tr>
<td>2</td>
<td>5 VAL-GP TEXT HBV ANTI-CD20 INTRO</td>
<td>group</td>
<td>X</td>
</tr>
<tr>
<td></td>
<td>Finding: <em>NONE</em></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>5.5 VAL-GP TEXT HBV ANTI-CD20 INTRO DETAILS PARENT TREATMENT</td>
<td>group</td>
<td>X</td>
</tr>
<tr>
<td></td>
<td>Finding: <em>NONE</em></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>5.5.10 VAL-TEXT HBV ANTI-CD20 INTRO DETAILS TREATMENT</td>
<td>element</td>
<td>X</td>
</tr>
<tr>
<td></td>
<td>Finding: <em>NONE</em></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>5.10 VAL-GP TEXT HBV ANTI-CD20 RESULTS PARENT OPEN</td>
<td>group</td>
<td>X</td>
</tr>
<tr>
<td></td>
<td>Finding: <em>NONE</em></td>
<td></td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>5.10.10 VAL-GP TEXT HBV ANTI-CD20 RESULTS</td>
<td>element</td>
<td>X</td>
</tr>
<tr>
<td></td>
<td>Finding: <em>NONE</em></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Select Action: Next Screen// Q
You will be prompted to install the fourth reminder dialog component:

```sql
<table>
<thead>
<tr>
<th>Item</th>
<th>Seq.</th>
<th>Dialog Findings</th>
<th>Type</th>
<th>Exists</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>VA-HBV SCREEN FOR ANTI-CD20 THERAPY</td>
<td>dialog</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>5</td>
<td>VAL-GP TEXT HBV ANTI-CD20 INTRO Finding: <em>NONE</em></td>
<td>group</td>
<td>X</td>
</tr>
<tr>
<td>3</td>
<td>7</td>
<td>TEXT BLANK LINE WITH TEMPLATE FIELD Finding: <em>NONE</em></td>
<td>element</td>
<td>X</td>
</tr>
<tr>
<td>4</td>
<td>8</td>
<td>VAL-GP TEXT HBV ANTI-CD20 SEROLOGY Finding: <em>NONE</em></td>
<td>group</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>8.5</td>
<td>VA-OI HBV SEROLOGY FOR ANTI-CD20 Finding: LR OTHER LAB TESTS (ORDER DIALOG)</td>
<td>element</td>
<td>X</td>
</tr>
<tr>
<td>6</td>
<td>8.10</td>
<td>VA-GP TEXT HBV ANTI-CD20 OUTSIDE SEROLOGY Finding: <em>NONE</em></td>
<td>group</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>8.10.3</td>
<td>VA-HF HBV ANTI-CD20 HBCAB +</td>
<td>element</td>
<td></td>
</tr>
</tbody>
</table>

All dialog components for VA-HBV SCREEN FOR ANTI-CD20 THERAPY are new. Install reminder dialog and all components with no further changes: Y/

To link the dialog to the reminder definition, take the default. Reminder Dialog VA-HBV SCREEN FOR ANTI-CD20 THERAPY is not linked to a reminder.

Select Reminder to Link: VA-HBV SCREEN FOR ANTI-CD20 THERAPY/
When the dialog has completed installation, you will then be returned to this screen. At the **Select Action** prompt, type **Q**.
You will be prompted to install the fifth reminder dialog component:

Select IA to install this dialog element. Answer YES to Install reminder dialog and all components with no further changes: Y//
Select Q to quit this dialog install
You will then be returned to this screen. At the Select Action prompt, type Q. Install Complete

**Post-Install Set-up Instructions**

1. **Activate the Reminder Order Check Rule**

   The installation of CLINICAL REMINDER UPDATE_2_0_69 will require the STATUS of the Reminder Order Check Rule “VA-HBV / ANTI-CD20 THERAPY)” be changed to PROD. Sites are recommended to present this order check to the appropriate facility council or governing board with input from Cardiology Service, Pharmacy Service and the Clinical Reminders Manager for approval to enable it. Shown below are the steps to make this change if yours does not show that PROD status.

   The option represented here is Add/Edit Reminder Order Check Rule [PXRM ORDER CHECK RULE EDIT].

   Select Reminder Order Check Menu Option: RE Add/Edit Reminder Order Check Rule
   Select Reminder Order Check Rule by: (N/R/T/Q): N// N ORDER CHECK RULE NAME
Select Reminder Order Check Rule: **VA-HBV / ANTI-CD20 THERAPY**

RULE NAME: VA-HBV / ANTI-CD20 THERAPY

DISPLAY NAME: ISSUE: **Hepatitis B Evaluation for Anti-CD20 Therapy**

STATUS: **PROD**

^change to **PROD** to activate **Production Mode**

CLASS: NATIONAL

SPONSOR:

REVIEW DATE:

I=INACTIVE, P=PRODUCTION, T=TESTING

2. Assign the new Anti-CD20 reminders to users, i.e. Oncology, Hematology, Rheumatology, etc. staff

3. Compare your printout from pre install to current CONDITION entries listed below:
   
a. VA-HEPATITIS B IMMUNIZATION – finding 7, 8 and 21
   b. VA-HEPATITIS B SEROLOGY/IMMUNIZATION – finding 7 and 8

**NOTE:** If you require further technical assistance, if there are any questions or problems during the installation, please notify your local IT support to log a national help desk ticket or contact the VA Service Desk and have them submit a national ticket to:

Category: Enterprise Applications
Subcategory: Applications
Enterprise Application: VistA - Clinical Reminders
Assignment Group: NTL SUP Clin 2