

**Update \_2\_0\_275**

Clinical Reminders

VA-HCC (Hepatocellular Carcinoma) SURVEILLANCE REMINDER

Install Guide

**July 2022**

Product Development

Office of Information Technology

Department of Veterans Affairs

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# Introduction

People with cirrhosis and some people with chronic hepatitis B are at increased risk of hepatocellular carcinoma. Surveillance ultrasound with or without alpha-fetoprotein (AFP) every 6 months is recommended. This reminder was developed by the National Gastroenterology & Hepatology Program for use by primary care providers.

COHORT:

 Any patient with one inpatient or two outpatient cirrhosis diagnoses

 or

 Some patients with chronic hepatitis B

 2 positive Hep B Surface Antigen (HBsAg) and/or HBV DNA results 6 months apart:

 African/African American 20 and older

 Asian/Pacific Islander male 40 and older

 Asian/Pacific Islander female 50 and older

RESOLUTION:

 Imaging for liver and HCC (US, MRI, or CT)

 Outside imaging results documented

 Patient refusal

NOT APPLICABLE:

 Diagnosis for known HCC

 Limited life expectancy

 Incorrect diagnosis documented

 Community liver care

UPDATE\_2\_0\_275 contains 1 Reminder Exchange entry:

UPDATE\_2\_0\_275 VA-HCC REMINDER

**The exchange file contains the following components:**

**HEALTH FACTORS**

VA-REMINDER UPDATES [C]

VA-UPDATE\_2\_0\_275

VA-HCC LIVER CANCER [C]

VA-HCC INCORRECT DIAGNOSIS CHRONIC HBV

VA-HCC INCORRECT DIAGNOSIS CIRRHOSIS

VA-HCC NON-VA LIVER CARE

VA-HCC SURVEILLANCE NOT INDICATED

VA-HCC SURVEILLANCE DECLINES IMAGING

OUTSIDE RESULTS [C]

OUTSIDE AFP RESULT

OUTSIDE ULTRASOUND/CT OF LIVER RESULT

**REMINDER SPONSOR**

NATIONAL GASTROENTEROLOGY & HEPATOLOGY PROGRAM

NATIONAL CENTER FOR HEALTH PROMOTION AND DISEASE

PREVENTION (NCP)

**REMINDER TAXONOMY**

VA-HEPATOCELLULAR CARCINOMA

VA-LIVER CANCER PROCEDURE/IMAGING

VA-ADVANCED LIVER DISEASE DX CODES

**REMINDER TERM**

 VA-REMINDER UPDATE\_2\_0\_275

 VA-RACE BLACK OR AFRICAN AMERICAN RT

 VA-HEPATITIS B SURFACE ANTIGEN

 VA-HCC DECLINES IMAGING FOR SURVEILLANCE

 VA-HCC IMAGING FOR LIVER CANCER

 VA-HCC IMAGING OI RT

 VA-HCC INCORRECT DIAGNOSIS OF CIRRHOSIS

 VA-HCC INCORRECT DIAGNOSIS OF CHRONIC HBV

 VA-RACE ASIAN OR NATIVE HAWAIIAN/PACIFIC ISLANDER RT

 VA-HCC SURVEILLANCE NOT INDICATED

 VA-HCC HEPATITIS B VIRUS DNA RT

 VA-HCC ADVANCED LIVER DISEASE DX

**REMINDER DEFINITION**

VA-HCC SURVEILLANCE

**REMINDER DIALOG**

VA-HCC SURVEILLANCE

# Pre-Install

1. Print a copy of the following terms. **This term** **should be skipped during installation**. Use the printed copy to compare the terms post-installation to confirm the term has not changed.
	1. VA-HEPATITIS B SURFACE ANTIGEN
2. Coordinate with appropriate staff to gather the appropriate findings for the following terms to map during post-installation.
	1. VA-HCC HEPATITIS B VIRUS DNA RT
		1. **All local HBV DNA lab tests should be mapped to this term.** Coordinate with the local Lab Information Manager and/or clinical staff to identify the correct lab tests.

* 1. VA-HCC IMAGING OI RT
		1. **Any local abdominal ultrasound orderable items appropriate for liver cancer screening should be mapped to this term. Many sites may have only one ultrasound appropriate for screening.** Coordinate with local clinical staff to identify the correct abdominal ultrasounds.
1. Identify local quick orders for the following to map to the reminder dialog during post-installation.
	* 1. Abdominal ultrasound appropriate for liver cancer screening
		2. Alfa-fetoprotein lab test
		3. Consult order for GI and/or hepatology

# Install Details

This update is being distributed as a web host file. The address for the host file is: **https://REDACTED/UPDATE\_2\_0\_275.PRD**

The file will be installed using Reminder Exchange, programmer access is not required.

Installation:

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This update can be loaded with users on the system. Installation will take less than 10 minutes.

# Install Example

To Load the exchange file, use LWH. The URL is

**https://REDACTED/UPDATE\_2\_0\_275.PRD**



Search and locate an entry titled UPDATE\_2\_0\_275 VA-HCC SURVEILLANCE REMINDER in reminder exchange. 

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

Enter the number that corresponds with your entry titled UPDATE\_2\_0\_275 VA- HCC SURVEILLANCE REMINDER *(in this example it is entry 341, it will vary by site)* that is dated 05/27/2022.

This update adds a new reminder sponsor, which is linked to the new health factors. Install the reminder sponsor first to prevent errors when installing all.

Select **IS** for **Install Selected Component** and choose component **13**. Then select **Install.**







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

**For all new entries choose I to Install**

**For existing items choose SKIP. Do not overwrite the VA-HEPATITIS B SURFACE ANTIGEN reminder term!**

You will then be prompted to install the Dialog component.



At the **Select Action** prompt, type **IA** to install the dialog – **VA-HCC SURVEILLANCE**

**Hit enter when prompted to link to the definition.**

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

Select Reminder to Link: VA-HCC SURVEILLANCE// **VA-HCC SURVEILLANCE**



When the dialog has completed installation, 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. **Coordinate with local staff and add local Hepatitis B Virus DNA lab test(s) to the reminder term VA-HCC HEPATITIS B VIRUS DNA RT.** Add the below text string to the CONDITION field, so the term is evaluated as true if the lab test is positive.

 CF Reminder Computed Finding Management ...

 RM Reminder Definition Management ...

 SM Reminder Sponsor Management ...

 TXM Reminder Taxonomy Management

 TRM Reminder Term Management ...

 LM Reminder Location List Management ...

 RX Reminder Exchange

 RT Reminder Test

 OS Other Supporting Menus ...

 INFO Reminder Information Only Menu ...

 DM Reminder Dialog Management ...

 CP CPRS Reminder Configuration ...

 RP Reminder Reports ...

 MST Reminders MST Synchronization Management ...

 PL Reminder Patient List Menu ...

 PAR Reminder Parameters ...

 VS NLM Value Set Menu

 ROC Reminder Order Check Menu ...

 CQM NLM Clinical Quality Measures Menu

 XM Reminder Extract Menu ...

Select Reminder Managers Menu <TEST ACCOUNT> Option: **TRM**

 TL List Reminder Terms

 TI Inquire about Reminder Term

 TE Add/Edit Reminder Term

 TC Copy Reminder Term

 TICS Integrity Check Selected

 TICA Integrity Check All

 TEST Term Test

Select Reminder Term Management <TEST ACCOUNT> Option: **TE**

Select Reminder Term: **VA-HCC HEPATITIS B VIRUS DNA**

Reminder Term has no findings!

Select Finding: **Enter “LT.” then the name of the lab test**

 Searching for a LABORATORY TEST, (pointed-to by FINDING ITEM)

 Searching for a LABORATORY TEST

 HBV DNA

 ...OK? Yes//**Yes**

 Are you adding 'HBV DNA' as a new FINDINGS? No// **Yes**

Editing Finding Number: 1

FINDING ITEM: HBV DNA//

BEGINNING DATE/TIME:

ENDING DATE/TIME:

OCCURRENCE COUNT:

CONDITION: **Enter “I +V>0”**

CONDITION CASE SENSITIVE: NO//

USE STATUS/COND IN SEARCH:

1. **Add local orderable item(s) for abdominal ultrasounds to the reminder term VA-HCC IMAGING OI RT.**

 CF Reminder Computed Finding Management ...

 RM Reminder Definition Management ...

 SM Reminder Sponsor Management ...

 TXM Reminder Taxonomy Management

 TRM Reminder Term Management ...

 LM Reminder Location List Management ...

 RX Reminder Exchange

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 OS Other Supporting Menus ...

 INFO Reminder Information Only Menu ...

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Select Reminder Managers Menu <TEST ACCOUNT> Option: **TRM**

 TL List Reminder Terms

 TI Inquire about Reminder Term

 TE Add/Edit Reminder Term

 TC Copy Reminder Term

 TICS Integrity Check Selected

 TICA Integrity Check All

 TEST Term Test

Select Reminder Term Management <TEST ACCOUNT> Option: **TE**

Select Reminder Term: **VA-HCC IMAGING OI RT**

Select Finding: **Enter “OI” then name of abdominal ultrasound order**

 Are you adding 'ULTRASOUND' as a new FINDINGS? No//**Yes**

Editing Finding Number: 1

FINDING ITEM: ULTRASOUND//

BEGINNING DATE/TIME:

ENDING DATE/TIME:

OCCURRENCE COUNT:

USE START DATE:

CONDITION:

CONDITION CASE SENSITIVE: NO//

USE STATUS/COND IN SEARCH:

No statuses defined for this finding item

 Select one of the following:

 A ADD STATUS

 D DELETE A STATUS

 S SAVE AND QUIT

 Q QUIT WITHOUT SAVING CHANGES

Enter response: S// **ADD STATUS**

1 - \* (WildCard)

2 - ACTIVE

3 - CANCELLED

4 - COMPLETE

5 - DELAYED

6 - DISCONTINUED

7 - DISCONTINUED/EDIT

8 - EXPIRED

9 - FLAGGED

10 - HOLD

11 - LAPSED

12 - NO STATUS

13 - PARTIAL RESULTS

14 - PENDING

15 - RENEWED

16 - SCHEDULED

17 - UNRELEASED

Select a Order Status from or enter '^' to Quit: (1-17): **2,15,16,14**

Statuses already defined for this finding item:

ACTIVE

PENDING

RENEWED

SCHEDULED

 Select one of the following:

 A ADD STATUS

 D DELETE A STATUS

 S SAVE AND QUIT

 Q QUIT WITHOUT SAVING CHANGES

Enter response: **SAVE AND QUIT**

1. **Confirm the reminder term VA-HEPATITIS B SURFACE ANTIGEN matches the printed copy completed in pre-installation. Edit as necessary.**
2. Map the appropriate local order dialogs to FINDING ITEM field in the following elements.
	1. VA-HCC SURVEILLANCE ULTRASOUND ORDER

FINDING ITEM: Enter “Q.” then the name of the local order for abdominal ultrasound.

* 1. VA-HCC SURVEILLANCE AFP ORDER

FINDING ITEM: Enter “Q.” then the name of the local order for Alfa-fetoprotein

 test.

* 1. VA-HCC SURVEILLANCE GI/LIVER CONSULT ORDER

FINDING ITEM: Enter “Q.” then the name of the local consult order for GI and/or

 hepatology.

1. **Add the new reminder to the cover sheet for the appropriate users.** You will use the Add Cover Sheet Reminder option in CPRS. The print name is “**Liver Cancer (HCC) Surveillance**”. Because this is a new reminder, you may want to turn on only for a few individuals to test before expanding usage.