



Update_2_0_166

Clinical Reminders

VA-HTN Reminder Update

Install Guide

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Product Development
Office of Information Technology
Department of Veterans Affairs

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Introduction

To reflect current guidelines, Subject Matter Expert opinion, EPRP requirements, and requests from the field, the national Hypertension clinical reminder(s) are being updated.

- The clinical reminder specific to a blood pressure of greater than 159 systolic or 99 diastolic is being inactivated.
- The clinical reminder for a patient with hypertension and any blood pressure greater than 139 systolic or 89 diastolic has been expanded.
- Patients with diabetes, even without a diagnosis of hypertension, will be included if their blood pressure readings are above the threshold (up to age 76).
- A new aspect of this reminder, as a reflection of new EPRP criteria, is a section to document a patient reported blood pressure. While this cannot be added to the vitals package, the documentation in the note will be reviewed for meeting EPRP measures.
- The intervention options have been expanded and include the ability to add local consults to ease referral when necessary.
- The education options have also been updated to the current recommendations.
- Although there are multiple options included to ease documentation and referral, only one selection of intervention OR education is needed to resolve the reminder.

UPDATE_2_0_166 contains 1 Reminder Exchange entry:
UPDATE_2_0_166 VA-HTN REMINDER UPDATE

The exchange file contains the following components:

TIU TEMPLATE FIELD

BLANK TEXT FIELD FOR DIALOGS

EDUCATION TOPICS

VA-HTN NUTRITION EDUCATION
VA-HTN MEDICATION ADHERENCE
VA-HTN EXERCISE

HEALTH FACTORS

VA-REMINDER UPDATES
VA-UPDATE_2_0_166
INCORRECT DIAGNOSES
INCORRECT HTN DIAGNOSIS
HYPERTENSION
HTN REFERRED TO MOVE
HTN REFERRED TO DIETICIAN
HTN REFERRED TO PACT PHARMACIST
HTN NO MED CHANGE - OTHER
HTN NO MED CHANGE - LIMITED LIFE EXP
HTN NO MED CHANGE - SIDE EFFECTS FROM RX
HTN NO MED CHANGE - NONCOMPLIANCE

HTN NO MED CHANGE - COMORBID ILLNESS
HTN NO MED CHANGE - BP CONTROLLED
HTN EVALUATION OF RESISTANT/SECONDARY
HTN REFUSAL OF MED INTERVENTION
HTN MEDICATIONS ADJUSTED
HTN NO EDUC INTERVENTION WARRANTED
HTN LIFESTYLE MODIFICATIONS RECOMMENDED
VA-INCORRECT DIABETES DIAGNOSIS
HTN SELF-RECORDED BP

REMINDER SPONSOR

Office of Quality & Performance
VHA Office of Connected Care (10P8)
Office of Patient Care Services
VHA Cardiology Services

REMINDER TAXONOMY

VA-HYPERTENSION CODES
VA-DIABETES HEDIS
VA-DIABETES HEDIS PROB LIST

REMINDER TERM

VA-REMINDER UPDATE_2_0_166
VA-HTN EDUCATIONAL INTERVENTIONS
VA-HTN MED & OTHER INTERVENTIONS
VA-HTN INCORRECT DIAGNOSIS
VA-DIABETES DX INCORRECT
VA-DIABETES DX HEDIS

REMINDER DEFINITION

VA-HTN ASSESSMENT BP >=160/100
VA-HTN ASSESSMENT BP >=140/90

REMINDER DIALOG

VA-HTN ASSESSMENT BP >=160/100
VA-HTN ASSESSMENT BP >=140/90

Install Details

This update is being distributed as a web host file. The address for the host file is:

https://Redacted/UPDATE_2_0_166.PRD

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 20 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              RP   Repack
Select Action: Next Screen// lwh  Load Web Host File
Input the URL for the .prd file: https://[redacted]/UPDATE_2_0_166.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:

https://Redacted /UPDATE_2_0_166.PRD

You should see a message at the top of your screen that the file successfully loaded.

```
https://[redacted]/UPDATE_2_0_166.PRD successfully loaded.
```

Search for and locate the reminder exchange entry titled UPDATE_2_0_166 VA-HTN REMINDER UPDATE.

```
+Item  Entry                                     Source                                     Date Packed
215    UPDATE_2_0_166 VA-HTN
      REMINDER UPDATE
216    UPDATE_2_0_169 VA-CSP CEAT
      REVIEW RESPONSE NOTE UPDATE
217    UPDATE_2_0_17 VA-WH PRECONCEPT
      ION CARE
218    UPDATE_2_0_17 VA-WH PRECONCEPT
      ION CARE
219    UPDATE_2_0_170 INFLUENZA
      UPDATE
+      + 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              RP   Repack
Select Action: Next Screen// IFE  Install Exchange File Entry
Enter a list or range of numbers (1-468): 215
```

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

Enter the number that corresponds with your entry titled **UPDATE_2_0_166 VA-HTN REMINDER UPDATE** (in this example it is entry 215, it will vary by site).

```

Component                                     Category                                     Exists
Source:
Date Packed: 10/21/2020@12:18:07
Package Version: 2.0P46

Description:
The following Clinical Reminder items were selected for packing:
REMINDER DIALOG
  VA-HTN ELEVATED BP>140/90
  VA-HTN ELEVATED BP>160/100

REMINDER TERM
  VA-REMINDER UPDATE_2_0_166

REMINDER DEFINITION
  VA-HTN ASSESSMENT BP >=140/90
  VA-HTN ASSESSMENT BP >=160/100
+      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.
 Select Action: Next Screen// **IA Install all Components**

During the installation, you will see several prompts:

- Install** all new components
- OVERWRITE** any existing components

You will be prompted to install the FIRST dialog component:

```

Packed reminder dialog: VA-HTN ELEVATED BP>160/100

```

Item	Seq.	Dialog Findings	Type	Exists
1		VA-HTN ELEVATED BP>160/100	dialog	X
2	4	VA-TEXT ELEVATED BP > 160/100 Finding: *NONE*	element	X
3	5	VA-TEXT HTN ELEVATED BP>140/90 Finding: *NONE*	element	X
4	10	VA-VM HTN BLOOD PRESSURE Finding: BLOOD PRESSURE (TIU DOCUMENT DEFINITION)	element	X X
5	12	VAA-TEXT BLANK LINE Finding: *NONE*	element	X
6	15	VA-GP HTN INTERVENTIONS	group	X

```

+      + 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 – **VA-HTN ELEVATED BP>160/100**
 Select Action: Next Screen// **IA Install All**
 Install reminder dialog and all components with no further changes: **Y// ES**

```

Packed reminder dialog: VA-HTN ELEVATED BP>160/100
VA-HTN ELEVATED BP>160/100 (reminder dialog) installed from exchange file.
Item  Seq.  Dialog Findings                                     Type  Exists
-----
1      VA-HTN ELEVATED BP>160/100                          dialog  X
2      4 VA-TEXT ELEVATED BP > 160/100                       element  X
      Finding: *NONE*
3      5 VA-TEXT HTN ELEVATED BP>140/90                      element  X
      Finding: *NONE*
4      10 VA-VM HTN BLOOD PRESSURE                          element  X
      Finding: BLOOD PRESSURE (TIU DOCUMENT DEFINITION)
5      12 VAA-TEXT BLANK LINE                               element  X
      Finding: *NONE*
6      15 VA-GP HTN INTERVENTIONS                          group   X
+      + 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

```

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 SECOND dialog component:

```

Packed reminder dialog: VA-HTN ELEVATED BP>140/90
Item  Seq.  Dialog Findings                                     Type  Exists
-----
1      VA-HTN ELEVATED BP>140/90                          dialog  X
2      1 VA-HTN ELEVATED BP>140/90 VERSION                  element
      Finding: *NONE*
3      4 VA-TEXT ELEVATED BP > 140/90                       element  X
      Finding: *NONE*
4      5 VA-TEXT HTN ELEVATED BP>140/90                    element  X
      Finding: *NONE*
5      10 VA-VM HTN BLOOD PRESSURE                         element  X
      Finding: BLOOD PRESSURE (TIU DOCUMENT DEFINITION)
6      11 VA-VM HTN BLOOD PRESSURE SELF RECORDED          element
+      + 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 – **VA-HTN ELEVATED BP>140/90**

Select Action: Next Screen// **IA Install All**

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

```

Packed reminder dialog: VA-HTN ELEVATED BP>140/90
VA-HTN ELEVATED BP>140/90 (reminder dialog) installed from exchange file.

```

Item	Seq.	Dialog Findings	Type	Exists
1		VA-HTN ELEVATED BP>140/90	dialog	X
2	1	VA-HTN ELEVATED BP>140/90 VERSION Finding: *NONE*	element	X
3	4	VA-TEXT ELEVATED BP > 140/90 Finding: *NONE*	element	X
4	5	VA-TEXT HTN ELEVATED BP>140/90 Finding: *NONE*	element	X
5	10	VA-VM HTN BLOOD PRESSURE Finding: BLOOD PRESSURE (TIU DOCUMENT DEFINITION)	element	X X
6	11	VA-VM HTN BLOOD PRESSURE SELF RECORDED	element	X

```

+      + 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

```

When the dialog has completed installation, you will then be returned to this screen. At the **Select Action** prompt, type **Q**.

Component	Category	Exists
Source: [REDACTED]		
Date Packed: 10/21/2020@12:18:07		
Package Version: 2.0P46		
Description:		
The following Clinical Reminder items were selected for packing:		
REMINDER DIALOG		
VA-HTN ELEVATED BP>140/90		
VA-HTN ELEVATED BP>160/100		
REMINDER TERM		
VA-REMINDER UPDATE_2_0_166		
REMINDER DEFINITION		
VA-HTN ASSESSMENT BP >=140/90		
VA-HTN ASSESSMENT BP >=160/100		

```

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

```

You will be returned to this screen. Type Q to quit.
Install Completed

Post Installation

1. If your site is using a local reminder and is currently not using the national HTN clinical reminder and you would like to switch to this national one, you will need to add this reminder to the cover sheet for the appropriate users.
2. Confirm that in CPRS when you open the national reminder with the print name **HTN Assess for Elevated BP>=140/90** the version is 2.2.
3. Using the Reminder Definition Manager, RI Inquire about a Reminder Definition menu, Inquire about Reminder Definition menu, choose the reminder definition **VA-HTN ASSESSMENT BP >=140/90** and confirm that the reminder cohort logic at the end shows the following:

Customized PATIENT COHORT LOGIC to see if the Reminder applies to a patient:

(AGE)&((FI(2)&FI(11)&FF(1))!(FI(1)&FI(11)&FF(2)))

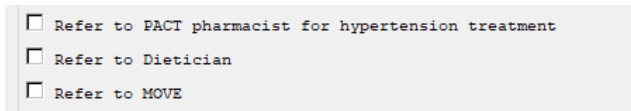
4. Using the Reminder Definition Manager, RI Inquire about Reminder Definition menu, choose the reminder definition **VA-HTN ASSESSMENT BP >=160/100** and confirm that the reminder definition is now inactive:

```
-----
VA-HTN ASSESSMENT BP >=160/100           No. XXX
-----
```

INACTIVE

Print Name: HTN Assess for Elevated BP>=160/100

5. Add Consult/Referral Orders to the reminder dialog (optional)
There are three places in the template that reference referrals:



If your site has a quick order for a referral or consult to one or more of the services, using the Vista Menu- Reminder Dialog Management, Reminder Dialogs, you can change view to Element View add search for the following reminder dialog elements to add your quick order as an additional finding:

VA-HF HTN REFERRAL PACT PHARMACY

VA-HF HTN REFERRAL DIETICIAN

VA-HF HTN REFERRAL MOVE

There is an optional reminder dialog group **VAL-HTN REFERRAL OTHER** that is disabled. This reminder dialog group can be enabled, you can add additional local

referral(s) as a finding item and edit the dialog text if appropriate for your site to offer additional referral options.