Update_2_0_383

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

<u>Redacted Link</u> which addresses CKD care in the Primary Care setting, issued in March 2020, was overlooked/under-implemented due to the COVID-19 pandemic.

In the VA's efforts to better reduce chronic kidney disease (CKD) from advancing to end stage renal disease (ESRD) interventions within some of the already supported Clinical Support Decisions tools in CPRS are being utilized.

Hypertension is one diagnoses and/or indicator that places our Veterans at higher risk for CKD. Therefore, the HTN Assess for Elevated BP>= 140/90 clinical reminder will now include a new CKD Group that provides education (i.e. directive, guidelines) and allow providers to order lab test(s), if needed, to evaluate eGFR and urine Albumin-Creatinine Ratio (uACR, previously known as urine microalbumin).

The CKD addition is a product of collaboration between the national Nephrology and Primary Care offices. It is intended to help staff with monitoring the kidney health of hypertensive patients within the current PCP workflow.

UPDATE_2_0_383 contains 1 Reminder Exchange entry:
  UPDATE_2_0_383 VA-HTN REMINDER UPDATE

The exchange file contains the following components:

TIU TEMPLATE FIELD
  VA- CKD KFRE
  VA-CKD DIRECTIVE
  BLANK TEXT FIELD FOR DIALOGS

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

HEALTH FACTORS
  VA-REMINDER UPDATES [C]
  VA-UPDATE_2_0_383
  VA-KIDNEY HEALTH EVALUATION [C]
  VA-KIDNEY HEALTH EVALUATION URINE EGFR PREV NO RESULTS
  VA-KIDNEY HEALTH EVALUATION EGFR COMPLETED PREVIOUSLY
  VA-KIDNEY HEALTH EVALUATION URINE ALB PREV NO RESULTS
  VA-KIDNEY HEALTH EVALUATION URINE ALB COMPLETED PREVIOUSLY
  VA-KIDNEY HEALTH EVALUATION URINE CR COMPLETED PREVIOUSLY
  VA-KIDNEY HEALTH EVALUATION UACR COMPLETED PREVIOUSLY
  VA-CHRONIC KIDNEY DISEASE [C]

VA-CKD UACR LAB ORDERED
VA-CKD SERUM CREATININE LAB ORDERED
VA-CKD SERUM CREATININE AND UACR LABS ORDERED
INCORRECT DIAGNOSES [C]
VA-INCORRECT DIABETES DIAGNOSIS
HYPERTENSION [C]
VA-HTN SELF-RECORDED DIASTOLIC BLOOD PRESSURE
VA-HTN SELF-RECORDED SYSTOLIC BLOOD PRESSURE
HTN NO EDUC INTERVENTION WARRANTED
HTN LIFESTYLE MODIFICATIONS RECOMMENDED
INCORRECT HTN DIAGNOSIS
HTN REFERRED OTHER
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

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_383
VAL-NEPH CKD UACR ORDERED IN PAST 45 DAYS
VAL-NEPH CKD SERUM CREATININE ORDERED IN PAST 45 DAYS
VA-HTN EDUCATIONAL INTERVENTIONS
VA-HTN MED & OTHER INTERVENTIONS
VA-HTN INCORRECT DIAGNOSIS
VA-DIABETES DX INCORRECT
VA-DIABETES DX HEDIS

REMINDER DEFINITION
VA-BL CKD SCREENING IN HTN
VA-HTN ASSESSMENT BP >=140/90

REMINDER DIALOG
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:
Redacted**/UPDATE_2_0_383.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.

Pre-Install

1. Using the VistA menu Reminder Dialog Manager, Reminder Dialog, change your view to GROUP and do an inquire/print on the reminder dialog groups. You will need to use as reference to use to add back during the post-install:

   VAL-HTN REFERRAL OTHER CONSULT
   VAL-HTN REFERRAL OTHER

2. Using the VistA menu Reminder Dialog Manager, Reminder Dialog, change your view to Element and do an inquire/print for the following reminder dialog elements. You will need use as reference to use to add back during the post-install.
   VA-HF HTN REFERRAL PACT PHARMACY
   VA-HF HTN REFERRAL DIETICIAN
   VA-HF HTN REFERRAL MOVE
   VA-HF HTN REFERRAL HT

3. Review the <u>Kidney Health Evaluation</u> reminder dialog elements to ensure the same quick orders used in it are used in #3 during the post install

Element name	Quick Order(s)
VA-KIDNEY HEALTH EVALUATION EGFR/UACR CREATININE	**plasma or serum creatinine urine albumin-creatinine ratio (uACR)**
VA-KIDNEY HEALTH EVALUATION EGFR CREATININE	**plasma or serum creatinine**
VA-KIDNEY HEALTH EVALUATION UACR CREATININE	**urine albumin-creatinine ratio (uACR)**

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:
REDACTED/UPDATE_2_0_383.PRD

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

Search for and locate the reminder exchange entry titled UPDATE_2_0_383 VA-HTN
REMINDER UPDATE.

```
+Item   Entry                            Source                Date Packed
  581   UPDATE_2_0_383 VA-HTN
        REMINDER UPDATE
  582   UPDATE_2_0_384 VA-VULNERABLE
        PATIENT EMERGENCY EVENT
  583   UPDATE_2_0_39 VA-OSP SUICIDE
        SAFETY PLAN
  584   UPDATE_2_0_3_2 TBI SCREENING
  585   UPDATE_2_0_4 VA-VETERANS
        CHOICE/MAMMOGRAM/TBI UPDATE
  586   UPDATE_2_0_4 VA-VETERANS
+            + 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 (1-811): 581
```

At the **Select Action** prompt, enter **IFE** for Install Exchange File Entry
Enter the number that corresponds with your entry titled **UPDATE_2_0_383 VA-HTN
REMINDER UPDATE** *(in this example it is entry 581, it will vary by site, the date on the
reminder exchange file should be 09/13/23).*

```
Package Version: 2.0P65

Description:
The following Clinical Reminder items were selected for packing:
REMINDER TERM
   VA-REMINDER UPDATE_2_0_383

REMINDER DEFINITION
   VA-HTN ASSESSMENT BP >=140/90
Non-exchangeable TIU object(s):
-----------------------------------------------------------------------------
TIU Object: BLOOD PRESSURE
Object Method: S X=$$BP^TIULO(+$G(DFN))

+         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 promped to install the 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   X
          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)         X

   6   11 VA-VM HTN BLOOD PRESSURE SELF RECORDED          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>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               element   X
          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)         X

   6   11 VA-VM HTN BLOOD PRESSURE SELF RECORDED          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.**

```
Package Version: 2.0P65

Description:
The following Clinical Reminder items were selected for packing:
REMINDER TERM
   VA-REMINDER UPDATE_2_0_383

REMINDER DEFINITION
   VA-HTN ASSESSMENT BP >=140/90
Non-exchangeable TIU object(s):
------------------------------------------------------------------
TIU Object: BLOOD PRESSURE
Object Method: S X=$$BP^TIULO(+$G(DFN))

+            + 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. Add Consult/Referral Orders to the reminder dialog (optional)
   Review your pre-install inquiry for the following items.

   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 and search for the following reminder dialog elements to add the quick order identified in the pre-install as an additional finding:
   VA-HF HTN REFERRAL PACT PHARMACY
   VA-HF HTN REFERRAL DIETICIAN
   VA-HF HTN REFERRAL MOVE
   VA-HF HTN REFERRAL HT

   Using the Vista Menu- Reminder Dialog Management, Reminder Dialogs, you can change view to Group View and search for the following reminder dialog groups, you will add additional findings or enable/disable to match your pre-install inquiry.
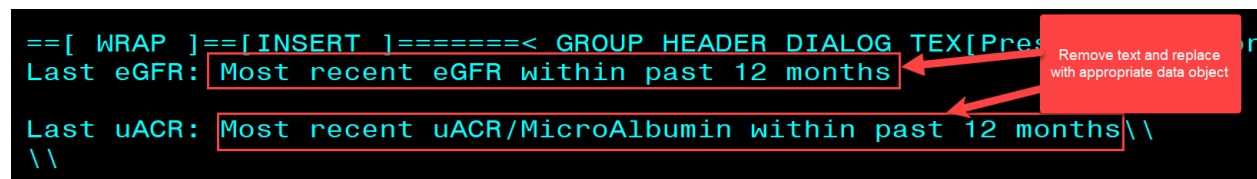   VAL-HTN REFERRAL OTHER CONSULT
   VAL-HTN REFERRAL OTHER

2. Change "ONE SELECTION ONLY" to "NONE OR ONE SELECTION" <u>and</u> add local data objects that represent most recent eGFR and uACR within the past 12 months to the reminder dialog group VAL-GP CKD LAB ORDER OPTIONS

```
NAME: VAL-GP CKD LAB ORDER OPTIONS Replace
DISABLE:
CLASS: LOCAL//
SPONSOR:
REVIEW DATE:
RESOLUTION TYPE: |
ORDERABLE ITEM:
FINDING ITEM:

Additional Findings: none
SELECT ADDITIONAL FINDING:
GROUP CAPTION: Lab Order Options (if needed) Replace
PUT A BOX AROUND THE GROUP: YES//
SHARE COMMON PROMPTS:
MULTIPLE SELECTION: ONE SELECTION ONLY// 3 NONE OR ONE SELECTION
```

```
==[ WRAP ]==[INSERT ]=======< GROUP HEADER DIALOG TEX[Pres        r
Last eGFR: Most recent eGFR within past 12 months        Remove text and replace
                                                          with appropriate data object

Last uACR: Most recent uACR/MicroAlbumin within past 12 months\\
\\
```

3. **Add lab orders to the reminder dialog.** Using the Vista Menu, Reminder Dialog Manager, DI- Reminder Dialog, change view to element and edit the following elements adding your quick order as an additional finding. You can create an order set and add the order set as your additional finding item or add both quick orders
   a. *The quick orders should be the same as used in Kidney Health Evaluation quick orders shown as #3 in the pre-install.

Element name	Quick Order(s)
VA-DE CKD LAB ORDERS	plasma or serum creatinine, urine albumin-creatinine ratio (uACR)
VA-DE CKD CREATININE/EGFR LAB ORDER	plasma or serum creatinine
VA-DE CKD UACR LAB ORDER	urine albumin-creatinine ratio (uACR)

4. Map Orderable items:
   a. Add orderable item that represent plasma or serum creatinine to reminder term **VAL-NEPH CKD SERUM CREATININE ORDERED IN PAST 45 DAYS**. The finding(s) you add should be OI type findings. Ex: OI.CREATININE.
      i. You will need to add a status of <u>active</u> and <u>pending.</u>
   b. Add orderable item that represent urine Albumin-Creatinine Ratio (uACR) to reminder term **VAL-NEPH CKD UACR ORDERED IN PAST 45 DAYS**. The finding you add should be OI type findings. Ex: OI.MICROALBUMIN/CREAT RATIO PNL.
      i. You will need to add a status of <u>active</u> and <u>pending.</u>

5. If you site uses a local HTN Clinical Reminder instead of the national reminder, you can add the CKD section to your local reminder dialog template. (optional)
   a. Add Group VA-GP CKD MAIN OPTIONS to local HTN clinical reminders.