Update _2_0_274

Clinical Reminders

VA-KIDNEY HEALTH EVALUATION REMINDER

Install Guide

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Product Development
Office of Information Technology
Department of Veterans Affairs

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Introduction

The national kidney health clinical reminder is the product of collaboration between the national Nephrology program, EPRP, and national Pathology and Laboratory Medicine. It is intended to help staff with monitoring the kidney health of diabetics per new guidelines and meeting the associated EPRP measure.

VHA recommends an annual evaluation of kidney health for patients aged 18-85
 with:
   Diabetes diagnosis within the past two years AND NOT on dialysis or
 already diagnosed with ESRD They need
   1. at least one estimated Glomerular Filtration Rate (eGFR) measurement
   2. and at least one urine albumin creatinine ratio (uACR) on the same or
 different dates. (In patients with normal urine albumin excretion, the urine albumin concentration may be below the detectable threshold, resulting in the inability of the lab to calculate uACR. If this is the case, the measure will be met based on the presence of urine albumin and urine creatinine measurements on the same sample)

UPDATE_2_0_274 contains 1 Reminder Exchange entry:
        UPDATE_2_0_274 VA-KIDNEY HEALTH EVALUATION REMINDER

The exchange file contains the following components:
```
TIU TEMPLATE FIELD
    1  VA-DOD CKD LINK

HEALTH FACTORS
    2  VA-REMINDER UPDATES [C]
    3  VA-UPDATE_2_0_274
    4  VA-KIDNEY HEALTH EVALUATION [C]
    5  VA-KIDNEY HEALTH EVALUATION URINE CR COMPLETED
       PREVIOUSLY
    6  VA-KIDNEY HEALTH EVALUATION URINE ALB PREV NO
       RESULTS
    7  VA-KIDNEY HEALTH EVALUATION URINE ALB COMPLETED
       PREVIOUSLY
    8  VA-KIDNEY HEALTH EVALUATION PATIENT DECLINES LABS
    9  VA-KIDNEY HEALTH EVALUATION UACR COMPLETED
       PREVIOUSLY
   10  VA-KIDNEY HEALTH EVALUATION EGFR COMPLETED
       PREVIOUSLY
   11  REMINDER FACTORS [C]
   12  LIFE EXPECTANCY <6 MONTHS
   13  LIFE EXPECTANCY < 6 MONTHS

REMINDER SPONSOR
   14  OFFICE OF PATIENT CARE SERVICES
   15  OFFICE OF KIDNEY MEDICINE
   16  NATIONAL CENTER FOR HEALTH PROMOTION AND DISEASE
```

```
        PREVENTION (NCP)
   17  VHA CARDIOLOGY SERVICES

REMINDER TAXONOMY
   18  VA-DIABETES
   19  VA-ESRD/DIALYSIS
   20  VA-TERMINAL CANCER PATIENTS

REMINDER TERM
   21  VA-REMINDER UPDATE_2_0_274
   22  VA-BL DIABETES DX 2Y
   23  VA-KIDNEY HEALTH EVALUATION URINE CR COMPLETED
       PREVIOUSLY
   24  VA-KIDNEY HEALTH EVALUATION URINE ALB COMPLETED
       PREVIOUSLY
   25  VA-KIDNEY HEALTH EVALUATION PATIENT DECLINES
   26  VA-KIDNEY HEALTH EVALUATION LAB ORDERED
   27  VA-KIDNEY HEALTH EVALUATION URINE CREATININE
   28  VA-KIDNEY HEALTH EVALUATION URINE ALBUMIN
   29  VA-KIDNEY HEALTH EVALUATION UACR COMPLETED
       PREVIOUSLY
   30  VA-KIDNEY HEALTH EVALUATION UACR LAB TEST
   31  VA-KIDNEY HEALTH EVALUATION EGFR COMPLETED
       PREVIOUSLY
   32  VA-KIDNEY HEALTH EVALUATION EGFR LAB TEST
   33  VA-KIDNEY HEALTH EVALUATION EXCLUSIONS
   34  VA-DIABETES DX

REMINDER DEFINITION
   35  VA-KIDNEY HEALTH EVALUATION
   36  VA-BL KIDNEY HEALTH EGFR AND UACR DONE
   37  VA-BL KIDNEY HEALTH UACR DONE
   38  VA-BL KIDNEY HEALTH NO EGFR UACR DONE
   39  VA-BL KIDNEY HEALTH EGFR DONE

REMINDER DIALOG
   40  VA-KIDNEY HEALTH EVALUATION
```

Pre-Install

1. Check with your laboratory to identify the lab tests for these two items:
   estimated Glomerular Filtration Rate (eGFR)
   > the eGFR is a calculated value based on serum creatinine and/or cystatin
   > C along with patient age and sex

   urine albumin creatinine ratio (uACR)
   > the uACR is a calculated value, based on the quotient of
   > > urine albumin concentration
   > > urine creatinine concentration

2. Identify the quick orders your site uses for these laboratory tests:
   plasma or serum creatinine
   basic metabolic panel (BMP)
   comprehensive metabolic panel (CMP)
   urine albumin-creatinine ratio (uACR)

3. Ensure with lab adpac/LIM that lab tests eGFR, uACR, Quantitative Urine Albumin and Urine Creatine are mapped to correct LOINC codes in VistA file 60 (Laboratory Test file)
   a. eGFR codes – 50210-4, 98979-8 or 98980-6
   b. uACR codes - 9318-7, 13705-9, 14958-3, 14959-1, 30000-4, 32294-1, 44292-1, 59159-4, 76401-9, 77253-3, 77254-1, 89998-9
   c. Quantitative Urine Albumin codes - 1754-1, 14957-5, 21059-1, 30003-8, 43605-5, 53530-2, 53531-0, 57369-1, 89999-7
   d. Urine Creatinine codes - 2161-8, 20624-3, 35674-1, 39982-4, 57344-4, 57346-9, 58951-5

Install Details

This update is being distributed as a web host file. The address for the host file is: https://REDACTED/UPDATE_2_0_274.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 10 minutes.
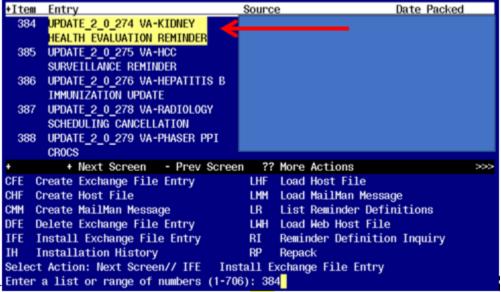
Install Example

To Load the exchange file, use LWH. The URL is https://REDACTED /UPDATE_2_0_274.PRD

```
+            + 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://_____/UPDATE_2_0_274.PRD
```
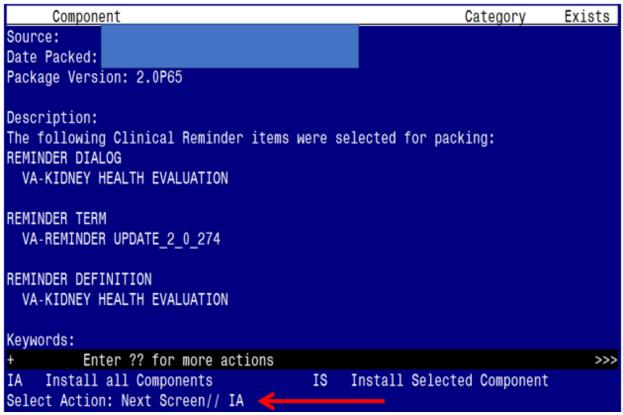
You should see a message that the file was loaded successfully.

```
https://_____/UPDATE_2_0_274.PRD successfully loaded.
```

Search and locate an entry titled UPDATE_2_0_274 VA-KIDNEY HEALTH
EVALUATION REMINDER in reminder exchange.

```
+Item   Entry                          Source                 Date Packed
 384   UPDATE_2_0_274 VA-KIDNEY
       HEALTH EVALUATION REMINDER     <───
 385   UPDATE_2_0_275 VA-HCC
       SURVEILLANCE REMINDER
 386   UPDATE_2_0_276 VA-HEPATITIS B
       IMMUNIZATION UPDATE
 387   UPDATE_2_0_278 VA-RADIOLOGY
       SCHEDULING CANCELLATION
 388   UPDATE_2_0_279 VA-PHASER PPI
       CROCS
+            + 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 (1-706): 384
```

At the **Select Action** prompt, enter **IFE** for Install Exchange File Entry
Enter the number that corresponds with your entry titled UPDATE_2_0_274 VA-
KIDNEY HEALTH EVALUATION REMINDER *(in this example it is entry 384, it will vary
by site)* that is dated 05/02/2023.

```
    Component                                      Category    Exists
Source:
Date Packed:
Package Version: 2.0P65

Description:
The following Clinical Reminder items were selected for packing:
REMINDER DIALOG
  VA-KIDNEY HEALTH EVALUATION


REMINDER TERM
  VA-REMINDER UPDATE_2_0_274


REMINDER DEFINITION
  VA-KIDNEY HEALTH EVALUATION


Keywords:
+         Enter ?? for more actions                              >>>
IA   Install all Components            IS   Install Selected Component
Select Action: Next Screen// IA   ⬅
```

At the **<u>Select Action</u>** prompt, you will need to install a new sponsor prior to doing an INSTALL ALL action. Choose IS and then select item 15 (reminder sponsor 'OFFICE OF KIDNEY MEDICINE')

<mark>Once this is done, you will be able to use action IA</mark> for Install all Components and hit enter.
For all new entries in any category you will choose <mark>I to Install</mark>
<mark>Skip</mark> any items in any category you are prompted to overwrite

You will then be prompted to install the Dialog component.

```
Packed reminder dialog: VA-KIDNEY HEALTH EVALUATION [NATIONAL DIALOG]

  Item   Seq. Dialog Findings                                   Type      Exists
    1       VA-KIDNEY HEALTH EVALUATION                         dialog

    2     5 VA-KIDNEY HEALTH EVALUATION VERSION                 element
            Finding: *NONE*

    3    10 VA-GP KIDNEY HEALTH EVALUATION OPTIONS*             group
            Finding: *NONE*
    4    10.10 VA-GP KIDNEY HEALTH EVALUATION EGFR OPTIONS      group
            Finding: *NONE*
    5    10.10.10 VA-KIDNEY HEALTH EVALUATION EGFR CREATININE   element
            Finding: *NONE*
    6    10.10.20 VA-KIDNEY HEALTH EVALUATION EGFR BMP          element
            Finding: *NONE*
    7    10.10.30 VA-KIDNEY HEALTH EVALUATION EGFR CMP          element
            Finding: *NONE*
+           + 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
```
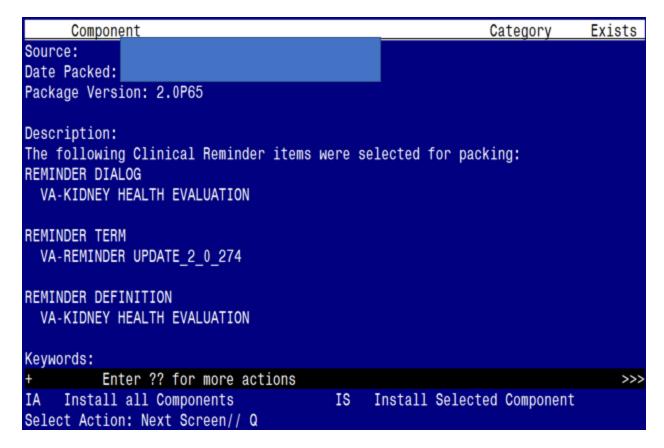
At the **Select Action** prompt, type **IA** to install the dialog – **VA-KIDNEY HEALTH EVALUATION**
Hit enter when prompted to link to the definition:
Install reminder dialog and all components with no further changes: Y// ES....
Reminder Dialog VA-KIDNEY HEALTH EVALUATION is not linked to a reminder.
Select Reminder to Link: VA-KIDNEY HEALTH EVALUATION//

```
Packed reminder dialog: VA-KIDNEY HEALTH EVALUATION [NATIONAL DIALOG]
VA-KIDNEY HEALTH EVALUATION (reminder dialog) installed from exchange file.
  Item   Seq. Dialog Findings                                   Type      Exists
    1       VA-KIDNEY HEALTH EVALUATION                         dialog     X

    2     5 VA-KIDNEY HEALTH EVALUATION VERSION                 element    X
            Finding: *NONE*

    3    10 VA-GP KIDNEY HEALTH EVALUATION OPTIONS*             group      X
            Finding: *NONE*
    4    10.10 VA-GP KIDNEY HEALTH EVALUATION EGFR OPTIONS      group      X
            Finding: *NONE*
    5    10.10.10 VA-KIDNEY HEALTH EVALUATION EGFR CREATININE   element    X
            Finding: *NONE*
    6    10.10.20 VA-KIDNEY HEALTH EVALUATION EGFR BMP          element    X
            Finding: *NONE*
    7    10.10.30 VA-KIDNEY HEALTH EVALUATION EGFR CMP          element    X
            Finding: *NONE*
+           + 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:
Date Packed:
Package Version: 2.0P65

Description:
The following Clinical Reminder items were selected for packing:
REMINDER DIALOG
  VA-KIDNEY HEALTH EVALUATION

REMINDER TERM
  VA-REMINDER UPDATE_2_0_274

REMINDER DEFINITION
  VA-KIDNEY HEALTH EVALUATION

Keywords:
+              Enter ?? for more actions                              >>>
IA   Install all Components              IS   Install Selected Component
Select Action: Next Screen// Q
```

You will then be returned to this screen. At the **<u>Select Action</u>** prompt, type <mark>**Q.**</mark>

Install complete.

Post Installation

___

1. **Add local LAB TESTS that represent uACR to the reminder term VA-KIDNEY HEALTH EVALUATION UACR LAB TEST.** The findings that you add should be LT type findings. Ex: LT.UACR. You do not need to add a status or info in any other field.

2. **Add local LAB TESTS that represent eGFR to the reminder term VA-KIDNEY HEALTH EVALUATION EGFR LAB TEST.** The findings that you add should be LT type findings. Ex: LT.EGFR. You do not need to add a status or info in any other field.

3. **Add orderable items that represent Serum or Plasma Creatinine, BMP, CMP <u>and</u> UACR to the reminder term VA-KIDNEY HEALTH EVALUATION LAB ORDERED.** The findings that you add should be OI type findings. Ex: OI.BMP. You do not need to add a status or info in any other field.

4. **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 a finding item or additional finding, for those that have more than one test, you can create an order set and add the order set as your finding item or add both quick orders (one as a finding item and one as an additional finding)

Element name	Quick Order(s)
VA-KIDNEY HEALTH EVALUATION EGFR CREATININE	plasma or serum creatinine
VA-KIDNEY HEALTH EVALUATION EGFR BMP	basic metabolic panel (BMP)
VA-KIDNEY HEALTH EVALUATION EGFR CMP	comprehensive metabolic panel (CMP)
VA-KIDNEY HEALTH EVALUATION UACR CREATININE	urine albumin-creatinine ratio (uACR)
VA-KIDNEY HEALTH EVALUATION EGFR/UACR CREATININE	plasma or serum creatinine urine albumin-creatinine ratio (uACR)
VA-KIDNEY HEALTH EVALUATION EGFR/UACR BMP	basic metabolic panel (BMP) urine albumin-creatinine ratio (uACR)
VA-KIDNEY HEALTH EVALUATION EGFR/UACR CMP	comprehensive metabolic panel (CMP) urine albumin-creatinine ratio (uACR)

5. **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 Kidney Health Evaluation. Because this is a new reminder, you may want to turn on only for a few individuals to test before expanding usage.

6. Your site may consider having nursing protocol updated to allow nurses to enter orders for diabetic labs. A sample order set is below.