



Update _2_0_146

Clinical Reminders

VA-EYE CARE AT-RISK SCREEN

Install Guide

August 2020

Product Development
Office of Information Technology
Department of Veterans Affairs

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Introduction

DESCRIPTION:

VA-Eye Care At-Risk Screen reminders are used for the TeleEye Screening program (formerly TeleRetinal Imaging) to identify and monitor patients known to be at risk for Diabetic Retinopathy, Macular Degeneration (AMD) and/or Glaucoma.

The **Eye Care At-Risk Screen Nursing** reminder is used by Primary Care nursing to request a TeleEye Screening exam or Comprehensive Eye Exam (by the Eye Clinic) for patients identified to be at-risk for Diabetic Retinopathy, Macular Degeneration (AMD) and/or Glaucoma.

The **Eye Care At-Risk Screen Provider** reminder is a secondary reminder that populates to the Primary Care provider when ‘Declined/Refused’ is selected on the primary Nursing reminder or if the nurse indicated that the diabetes diagnosis is not correct for the patient. This secondary reminder allows the Primary Care provider to deliver additional education and encouragement to patients known to be at-risk for these select eye conditions who refused/declined initial referral for eye care.

1) **Group criteria:**

- a. **At-Risk Diabetic Retinopathy group criteria:** Type I and II diabetics who have not been seen for eye assessment within the last 1-2 years. The reminder populates for patients who meet this criterion and shows a DUE NOW status indicating referral to Tele-Eye Screening (TeleRetina) is necessary. Once assessed, the reminder is processed for 1 to 2 years determined by the provider.
- b. **At-Risk Macular Degeneration (AMD) group criteria:** must be age 60 years or older, have not been seen for eye assessment within the last 2 years (identified by query of clinical stop codes 718, 407, 408), and have at least one of the ICD9/10 codes listed in the attachment (Macular Degeneration ICD Taxonomy). The reminder populates for patients who meet this criterion and shows a DUE NOW status indicating referral to Tele-Eye Screening (TeleRetina) is necessary. Once assessed, the reminder is processed for 1 to 2 years determined by the provider.
- c. **At-Risk Glaucoma group criteria:** must be age 60 years or older (African American ethnicity 40 years and older), have not been seen for eye assessment within the last 2 years (identified by query of clinical stop codes 718, 407, 408), and have at least one of the ICD9/10 codes listed in the attachment (Glaucoma ICD Taxonomy). The reminder populates for patients who meet this criterion and shows a DUE NOW status indicating referral to Tele-Eye Screening (TeleRetina) is necessary. Once assessed, the reminder is processed for 1 to 2 years determined by the provider.
- d. **Exclusions for eye screening:** for all groups above (a,b,c) this reminder has logic to indicate to the viewer that patients with identified exclusions should not receive eye screening, and instead be referred for a direct in-person comprehensive eye exam.

UPDATE_2_0_146 contains 1 Reminder Exchange entry:
UPDATE_2_0_146 VA-EYE CARE AT-RISK SCREEN

The exchange file contains the following components:

HEALTH FACTORS

VA-REMINDER UPDATES
VA-UPDATE_2_0_146
INCORRECT DIAGNOSES
VA-INCORRECT DIABETES DIAGNOSIS-PROVIDER
VA-EYE CARE AT-RISK SCREEN
VA-OUTSIDE DIAB EYE UNK AT-RISK SCR
VA-OUTSIDE DIAB EYE ABN AT-RISK SCR
VA-OUTSIDE DIAB EYE NORMAL AT-RISK SCR
VA-OUTSIDE EYE AT-RISK SCREEN
VA-COMP EYE EXAM SCHEDULED
VA-REFUSED PROV AT-RISK SCREEN
VA-TRI CATEGORY-DM EYE EXAM
VA-TRI EYE EXAM SCHEDULED
VA-INCORRECT DIABETES DIAGNOSIS
VA-TRI EYE EXAM FUTURE
VA-REFUSED NURS AT-RISK SCREEN
VA-TRI DM RETINOP EXAM UNABLE TO ASSESS
VA-TRR CATEGORY-DM EYE EXAM
VA-TRR DM RETINOP EXAM UNABLE TO ASSESS
VA-TRI DM RETINOP EXAM NORMAL
VA-TRR DM RETINOPATHY EXAM NORMAL
VA-TRI DM RETINOP EXAM ABNORMAL
VA-TRR DM RETINOPATHY EXAM ABNORMAL
VA-TRI MACULA EXAM UNABLE TO ASSESS
VA-TRR MACULA EXAM UNABLE TO ASSESS
VA-TRI MACULA EXAM NORMAL
VA-TRR MACULA EXAM NORMAL
VA-TRI MACULA EXAM ABNORMAL
VA-TRR MACULA EXAM ABNORMAL
VA-TELE EYE GLAUC EXAM UNABLE TO ASSESS
VA-TELE EYE GLAUCOMA EXAM NORMAL
VA-TELE EYE GLAUCOMA EXAM ABNORMAL

REMINDER SPONSOR

Office of Telehealth Services Store and Forward Telehealth
Office of Patient Care Services

REMINDER TAXONOMY

VA-DIABETES HEDIS
VA-DIABETES

VA-GLAUCOMA RISK FACTORS
VA-AMD RISK FACTORS
VA-ABNORMAL BMI
VA-CAD
TOBACCO USE CODES

REMINDER LOCATION LIST

VA-AT RISK AMD/GLAUCOMA

REMINDER TERM

VA-REMINDER UPDATE_2_0_146
VA-BL TELE EYE DIABETIC PT
VA-BL TELE EYE INCORRECT DIABETIC DX
VA-BL TELE EYE GLAUCOMA PT
VA-BL TELE EYE AMD PT
VA-AMD RISK FACTORS
TELE EYE SCREEN ORDERS
TELE EYE RETINOPATHY EXAM-UNABLE TO ASSESS
TELE EYE RETINOPATHY EXAM-NORMAL
TELE EYE RETINOPATHY EXAM-ABNORMAL
TELE EYE MACULA EXAM-UNABLE TO ASSESS
TELE EYE MACULA EXAM-NORMAL
TELE EYE MACULA EXAM-ABNORMAL
TELE EYE GLAUCOMA EXAM-UNABLE TO ASSESS
TELE EYE GLAUCOMA EXAM-NORMAL
TELE EYE GLAUCOMA EXAM-ABNORMAL
VA-OUTSIDE EYE AT-RISK SCREEN

REMINDER DEFINITION

VA-DIABETES OBJECT
VA-BL TELE-EYE SCREEN-GLAUCOMA
VA-OBJ GLAUCOMA RISK FACTORS
VA-OBJ AMD RISK FACTORS
VA-EYE CARE AT-RISK SCREEN (PROV)
VA-EYE CARE AT-RISK SCREEN (NURSE)

REMINDER DIALOG

VA-EYE CARE AT-RISK SCREEN (PROV)
VA-EYE CARE AT-RISK SCREEN (NURSING)

HEALTH SUMMARY TYPE

VA-DIABETES OBJECT
VA-GLAUCOMA RISK FACTORS
VA-AMD RISK FACTORS

HEALTH SUMMARY OBJECTS

VA-DIABETES OBJECT (TIU)
VA-GLAUCOMA RISK FACTORS (TIU)
VA-AMD RISK FACTORS (TIU)

TIU DOCUMENT DEFINITION

VA-DIABETES OBJECT
VA-GLAUCOMA RISK FACTORS
VA-AMD RISK FACTORS

Install Details

This update is being distributed as a web host file. The address for the host file is:
https://vaww.va.gov/reminders/docs/UPDATE_2_0_146.PRD

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

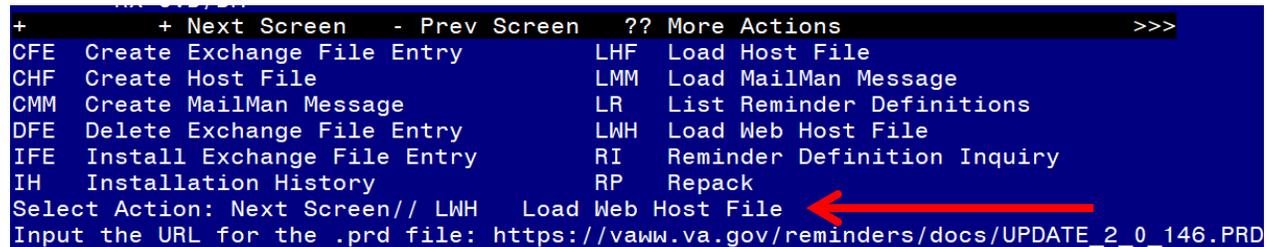
Installation:

=====

This update can be loaded with users on the system. Installation will take less than 30 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://vaww.va.gov/reminders/docs/UPDATE_2_0_146.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://vaww.va.gov/reminders/docs/UPDATE_2_0_146.PRD

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

https://vaww.va.gov/reminders/docs/UPDATE_2_0_146.PRD successfully loaded.

Search and locate an entry titled **UPDATE_2_0_146 VA-EYE CARE AT-RISK SCREEN** in reminder exchange.

+Item	Entry	Source	Date Packed
187	UPDATE_2_0_146 VA-EYE CARE AT-RISK SCREEN	GRIFFITH@SALT LAKE CI	07/28/2020@06:49
188	UPDATE_2_0_147 VA-AES ACUTE INPATIENT NSG ADMISSION SCREEN	GRIFFITH@SALT LAKE CI	07/14/2020@17:15
189	UPDATE_2_0_148 VA-COVID-19 TEMPLATE UPDATES	GRIFFITH@SALT LAKE CI	06/03/2020@13:04
190	UPDATE_2_0_149 VA-CSP CAREGIVER TEMPLATES	GRIFFITH@SALT LAKE CI	07/24/2020@12:23
191	UPDATE_2_0_15 VA-LIPID STATIN RX CVD/DM	GRIFFITH@SALT LAKE CI	02/01/2019@07:19
+ + 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 (1-439): 187			

At the **Select Action** prompt, enter **IFE** for Install Exchange File Entry
 Enter the number that corresponds with your entry **UPDATE_2_0_146 VA-EYE CARE AT-RISK SCREEN** (in this example it is entry 187 it will vary by site). The date of the exchange file should be 07/28/2020.

Component	Category	Exists
Source: GRIFFITH,ELIZABETH A at SALT LAKE CITY		
Date Packed: 07/28/2020@06:49:09		
Package Version: 2.0P46		
Description:		
The following Clinical Reminder items were selected for packing:		
REMINDER TERM		
VA-REMINDER UPDATE_2_0_146		
REMINDER DEFINITION		
VA-EYE CARE AT-RISK SCREEN (NURSE)		
VA-EYE CARE AT-RISK SCREEN (PROV)		
Keywords:		
Components:		
+ 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**
 You will see several prompts, for all new entries you will choose **I to Install**

For components that already exists but the packed component is different, you will choose **S to Skip**.

You will be prompted to install the reminder first dialog component – VA-EYE CARE AT-RISK SCREEN (PROV)

```
Packed reminder dialog: VA-EYE CARE AT-RISK SCREEN (PROV)
```

Item	Seq.	Dialog Findings	Type	Exists
1		VA-EYE CARE AT-RISK SCREEN (PROV)	dialog	
2	2	VA-EYE CARE AT-RISK SCREEN PROVIDER NOTE VERSION Finding: *NONE*	element	
3	5	VA-GP EYE CARE AT-RISK SCREEN PROVIDER Finding: *NONE*	group	
4	5.5	VA-GP EYE CARE AT-RISK PATIENT HISTORY Finding: *NONE*	group	
5	5.5.5	VA-OBJ EYE CARE AT-RISK PT HX-DIABETES Finding: *NONE*	element	
6	5.5.10	VA-OBJ EYE CARE AT-RISK PT HX-MACULAR DEGENERATION Finding: *NONE*	element	
7	5.5.15	VA-OBJ EYE CARE AT-RISK PT HX-GLAUCOMA	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-EYE CARE AT-RISK SCREEN (PROV)**

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

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

At the end of the dialog install, you will see this prompt, hit enter to link the dialog to the reminder definition:

Select Reminder to Link: VA-EYE CARE AT-RISK SCREEN (PROV)//

```
Packed reminder dialog: VA-EYE CARE AT-RISK SCREEN (PROV)
VA-EYE CARE AT-RISK SCREEN (PROV) (reminder dialog) installed from exchange file
```

Item	Seq.	Dialog Findings	Type	Exists
1		VA-EYE CARE AT-RISK SCREEN (PROV)	dialog	X
2	2	VA-EYE CARE AT-RISK SCREEN PROVIDER NOTE VERSION Finding: *NONE*	element	X
3	5	VA-GP EYE CARE AT-RISK SCREEN PROVIDER Finding: *NONE*	group	X
4	5.5	VA-GP EYE CARE AT-RISK PATIENT HISTORY Finding: *NONE*	group	X
5	5.5.5	VA-OBJ EYE CARE AT-RISK PT HX-DIABETES Finding: *NONE*	element	X
6	5.5.10	VA-OBJ EYE CARE AT-RISK PT HX-MACULAR DEGENERATION Finding: *NONE*	element	X
7	5.5.15	VA-OBJ EYE CARE AT-RISK PT HX-GLAUCOMA	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				

After completing this dialog install, you will type Q.

You will then be prompted to install the reminder second dialog component – VA-EYE CARE AT-RISK SCREEN

```
Packed reminder dialog: VA-EYE CARE AT-RISK SCREEN (NURSING)
Item  Seq.  Dialog Findings                                     Type  Exists
  1    VA-EYE CARE AT-RISK SCREEN (NURSING)                dialog
  2    2 VA-EYE CARE AT-RISK SCREEN NURSE NOTE VERSION      element
      Finding: *NONE*
  3    5 VA-GP EYE CARE AT-RISK SCREEN NURSE                group
      Finding: *NONE*
  4    5.5 VA-GP EYE CARE AT-RISK PATIENT HISTORY           group   X
      Finding: *NONE*
  5    5.5.5 VA-OBJ EYE CARE AT-RISK PT HX-DIABETES        element  X
      Finding: *NONE*
  6    5.5.10 VA-OBJ EYE CARE AT-RISK PT HX-MACULAR        element  X
      DEGENERATION
      Finding: *NONE*
  7    5.5.15 VA-OBJ EYE CARE AT-RISK PT HX-GLAUCOMA       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// IA
```

At the **Select Action** prompt, type **IA** to install the dialog – **VA-EYE CARE AT-RISK SCREEN**

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

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

At the end of the dialog install, you will see this prompt, hit enter to link the dialog to the reminder definition:

Select Reminder to Link: VA-EYE CARE AT-RISK SCREEN (NURSE)//

```
Packed reminder dialog: VA-EYE CARE AT-RISK SCREEN (NURSING)
VA-EYE CARE AT-RISK SCREEN (NURSING) (reminder dialog) installed from exchange f
Item  Seq.  Dialog Findings                                     Type  Exists
  1    VA-EYE CARE AT-RISK SCREEN (NURSING)                dialog   X
  2    2 VA-EYE CARE AT-RISK SCREEN NURSE NOTE VERSION      element  X
      Finding: *NONE*
  3    5 VA-GP EYE CARE AT-RISK SCREEN NURSE                group   X
      Finding: *NONE*
  4    5.5 VA-GP EYE CARE AT-RISK PATIENT HISTORY           group   X
      Finding: *NONE*
  5    5.5.5 VA-OBJ EYE CARE AT-RISK PT HX-DIABETES        element  X
      Finding: *NONE*
  6    5.5.10 VA-OBJ EYE CARE AT-RISK PT HX-MACULAR        element  X
      DEGENERATION
      Finding: *NONE*
  7    5.5.15 VA-OBJ EYE CARE AT-RISK PT HX-GLAUCOMA       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
```

After completing this dialog install, you will type Q.

You will then be prompted to install the health summary components.

for all new entries you will choose **I to Install**

For components that already exists but the packed component is different, you will choose **S to Skip.**

You will then be brought back to this screen where you will type Q for quit

```
Component                                     Category      Exists
Source:      GRIFFITH,ELIZABETH A at SALT LAKE CITY
Date Packed: 07/28/2020@06:49:09
Package Version: 2.0P46

Description:
The following Clinical Reminder items were selected for packing:
REMINDER TERM
  VA-REMINDER UPDATE_2_0_146

REMINDER DEFINITION
  VA-EYE CARE AT-RISK SCREEN (NURSE)
  VA-EYE CARE AT-RISK SCREEN (PROV)

Keywords:

Components:
+      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 **Select Action** prompt, type **Q.**

Install complete.

Post Installation

1. Edit Reminder Term TELE EYE SCREEN ORDERS

- a. Add any local health factors that your facility uses to indicate the patient has had Tele-Eye Screening.
- b. Add local orderable items (OI) for Tele-Eye Screening.

2. Add orders as an additional finding item to the following reminder dialog elements.

- i. Element VAL-OI EYE CARE AT-RISK RETINAL IMAGE CONSULT
 1. Add local quick order for Retinal Image Consult
- ii. Element VAL-OI EYE CARE AT-RISK EYE GLASS CONSULT
 1. Add local quick order/process for scheduling an eye clinic appointment for glasses
- iii. Element VAL-OI EYE CARE AT-RISK COMP EYE EXAM CONSULT
 1. Add local quick order/process for scheduling an eye clinic appointment

3. The following reminder terms can be edited to add local findings that have the same meaning. (optional)

Add any local finding to the following reminder terms

- a. Tele Eye Glaucoma Exam-Abnormal
- b. Tele Eye Glaucoma Exam-Normal
- c. Tele Eye Glaucoma Exam-Unable to Assess
- d. Tele Eye Macula Exam-Abnormal
- e. Tele Eye Macula Exam-Normal
- f. Tele Eye Macula Exam-Unable to Assess
- g. Tele Eye Retinopathy Exam-Abnormal
- h. Tele Eye Retinopathy Exam-Normal
- i. Tele Eye Retinopathy Exam-Unable to Assess
- j. Tele Eye Screen Orders
- k. VA-Life Expectancy < 6 Months
- l. VA-Outside Eye At-Risk Factor

4. Add the new reminder definitions to your cover sheet and assign to the appropriate users at your facility.

***NOTE:** 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: Affected Service

Affected Service: VistA – CPRS: Clinical Reminders

Assignment Group: NTL SUP Clin 2