



Update _2_0_56

Clinical Reminders

VA-QT Prolonging Medications Clinical Reminder Order Check

Install Guide

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Product Development
Office of Information Technology
Department of Veterans Affairs

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Introduction

UPDATE_2_0_56 contains 1 Reminder Exchange entry: **UPDATE_2_0_56 VA-QT PROLONGING MEDICATIONS ORDER CHECK**

New Service Request “[Bring QT interval as a field into CPRS and Pharmacy for Orderchecking](#)” was submitted in February 2011 with the idea for the QT interval to be used as an input in evaluating an order check.

QT interval range is an EKG (electrocardiogram) parameter that represents electrical depolarization and repolarization of the left and right ventricles of the heart. This interval is measured to determine heart rhythmic rates. QT interval range prolongation can lead to ventricular arrhythmias which can potentially lead to sudden death. There are hundreds of drugs that can cause QT prolongation.

Currently, in order for a provider to recognize if a patient has an existing prolonged QT interval when ordering medications in CPRS, that provider must access the patients EKG results externally from CPRS, by using VistA Imaging to review the QT interval range, which is pulled from MUSE cardiology information system. A provider treating a patient with prolonged QT interval for other than cardiology reasons, might not be aware that the patient has this problem and could prescribe a medication unbeknownst to the potential health risk. Therefore, it would be desirable to have an order check that alerts providers attempting to prescribe a medication found to prolong QT interval of patient who already has a prolonged QT interval range.

Some of the underlying reasons for this request can now be achieved with CROCs (Clinical Reminder Order Checks). Specifically, patients with existing prolonged QT interval due to [Long QT Syndrome](#) (ICD10: I45.81 plus several SNOMED codes) can now have an order check presented upon an attempted order for drugs known to prolong the QT interval themselves. This reminder content update provides the VA-LONG QT SYNDROME order check for use in VistA Systems.

Install Details

This update is being distributed as a web host file. The address for the host file is:
http://vista.med.va.gov/reminders/UPDATE_2_0_56.PRD

The following reminder content is included in this UPDATE:

HEALTH FACTORS

VA-REMINDER UPDATES
VA-UPDATE_2_0_56

REMINDER TAXONOMY

VA-LONG QT SYNDROME (TAXONOMY)

REMINDER TERM

VA-LONG QT SYNDROME (TERM)
VA-REMINDER UPDATE_2_0_56

REMINDER ORDER CHECK RULES

VA-LONG QT SYNDROME (RULE)

REMINDER ORDER CHECK ITEMS GROUP

VA-QT PROLONGING MEDICATIONS (GROUP)

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 five 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
Select Action: Next Screen// LWH  Load Web Host File
Input the URL for the .prd file: http://vista.med.va.gov/reminders/UPDATE_2_0_56.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:

http://vista.med.va.gov/reminders/UPDATE_2_0_56.PRD

```
http://vista.med.va.gov/reminders/UPDATE_2_0_56.PRD successfully loaded.
```

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


Navigate to the exchange entry named **UPDATE_2_0_56 VA-QT PROLONGING MEDICATIONS ORDER CHECK**

+Item	Entry	Source	Date Packed
372	UPDATE_2_0_56 VA-QT PROLONGING MEDS ORDER CHECK	GRIFFITH@SALT LAKE CI	07/20/2018@12:00
373	UPDATE_2_0_6 VA-TERATOGENIC MEDICATIONS ORDER CHECKS (UPDATE #3)	SILVERMAN@SALT LAKE CI	10/09/2015@07:09
374	UPDATE_2_0_7	MONTGOMERY@SALT LAKE CI	10/06/2015@11:24
375	UPDATE_2_0_8 MH UPDATES	MONTGOMERY@SALT LAKE CI	11/16/2016@07:38
376	UPDATE_2_0_8 MH UPDATES	MONTGOMERY@SALT LAKE CI	11/30/2016@15:19
377	UPDATE_2_0_8 MH UPDATES	MONTGOMERY@SALT LAKE CI	12/20/2016@13:12
378	UPDATE_2_0_8 MH UPDATES	MONTGOMERY@SALT LAKE CI	01/05/2017@11:07

+ + 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 LWH Load Web Host File
DFE Delete Exchange File Entry RI Reminder Definition Inquiry
IFE Install Exchange File Entry RP Repack
IH Installation History

Select Action: Next Screen// IFE Install Exchange File Entry
Enter a list or range of numbers (1-566): 372



At the **Select Action** prompt, enter **IFE** for Install Exchange File Entry
Enter the number that corresponds with your entry **UPDATE_2_0_56 VA-QT PROLONGING MEDICATIONS ORDER CHECK** (in this example it is entry 369, it will vary by site)

Component	Category	Exists
Source: GRIFFITH,ELIZABETH A at SALT LAKE CITY		
Date Packed: 07/20/2018@12:00:25		
Package Version: 2.0P35		
Description:		
The following Clinical Reminder items were selected for packing:		
REMINDER ORDER CHECK ITEMS GROUP		
VA-QT PROLONGING MEDICATIONS (GROUP)		
REMINDER TERM		
VA-REMINDER UPDATE_2_0_56		
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.

The following is a listing of the prompts you will see when installing the entry. You will Install all new entries.

Select Action: Next Screen// **IA Install all Components**

HEALTH FACTORS entry named VA-REMINDER UPDATES already exists and the packed component is identical, skipping.

HEALTH FACTORS entry VA-UPDATE_2_0_56 is NEW, what do you want to do?

Select one of the following:

- C Create a new entry by copying to a new name
- I Install
- Q Quit the install
- S Skip, do not install this entry

Enter response: I// nstall

REMINDER TAXONOMY entry VA-LONG QT SYNDROME (TAXONOMY) is NEW, what do you want to do?

Select one of the following:

- C Create a new entry by copying to a new name
- I Install
- Q Quit the install
- S Skip, do not install this entry

Enter response: I// nstall

REMINDER TERM entry VA-LONG QT SYNDROME (TERM) is NEW, what do you want to do?

Select one of the following:

- C Create a new entry by copying to a new name
- I Install
- Q Quit the install
- S Skip, do not install this entry

Enter response: I// nstall

REMINDER TERM entry VA-REMINDER UPDATE_2_0_56 is NEW, what do you want to do?

Select one of the following:

- C Create a new entry by copying to a new name
- I Install
- Q Quit the install
- S Skip, do not install this entry

Enter response: I// nstall

REMINDER ORDER CHECK RULES entry VA-LONG QT SYNDROME (RULE) is NEW, what do you want to do?

Select one of the following:

- C Create a new entry by copying to a new name
- I Install
- Q Quit the install
- S Skip, do not install this entry

Enter response: I// nstall

REMINDER ORDER CHECK ITEMS GROUP entry VA-QT PROLONGING MEDICATIONS (GROUP) is NEW, what do you want to do?

Select one of the following:

- C Create a new entry by copying to a new name
- I Install
- Q Quit the install
- S Skip, do not install this entry

Enter response: I// nstall

```

Component                                     Category      Exists
Source:      GRIFFITH,ELIZABETH A at SALT LAKE CITY
Date Packed: 07/20/2018@12:00:25
Package Version: 2.0P35

Description:
The following Clinical Reminder items were selected for packing:
REMINDER ORDER CHECK ITEMS GROUP
  VA-QT PROLONGING MEDICATIONS (GROUP)

REMINDER TERM
  VA-REMINDER UPDATE_2_0_56

Keywords:

Components:

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

```

You will then be returned to this screen. At the **Select Action** prompt, type **Q**.
Install Complete

Post-Install Set-up Instructions

1. *Activate the Reminder Order Check Rule*

The installation of CLINICAL REMINDER UPDATE_2_0_56 will require the STATUS of the Reminder Order Check Rule “VA-LONG QT SYNDROME (RULE)” be changed to PROD. Sites are recommended to present this order check to the appropriate facility council or governing board with input from Cardiology Service, Pharmacy Service and the Clinical Reminders Manager for approval to enable it. Shown below are the steps to make this change if yours does not show that PROD status.

The option represented here is **Add/Edit Reminder Order Check Rule [PXRMR ORDER CHECK RULE EDIT]**.

Select Reminder Order Check Menu Option: **RE** Add/Edit Reminder Order Check Rule
 Select Reminder Order Check Rule by: (N/R/T/Q): N// N ORDER CHECK RULE
 NAME

Select Reminder Order Check Rule: **VA-LONG QT SYNDROME (RULE)**

RULE NAME: VA-LONG QT SYNDROME (RULE)

DISPLAY NAME: ISSUE: Patient with documented long QT syndrome

STATUS: **PROD**

^ *change to PROD to activate Production Mode*

CLASS: NATIONAL

SPONSOR:

REVIEW DATE:

I=INACTIVE, P=PRODUCTION, T=TESTING

NOTE: If you require further technical assistance, 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: Enterprise Applications

Subcategory: Applications

Enterprise Application: VistA - Clinical Reminders

Assignment Group: NTL SUP Clin 2