Update_2_0_13

Clinical Reminders

VA-COMBINATION DRUG CLASSES ORDER CHECK

Install Guide

August 2016

Product Development
Office of Information Technology
Department of Veterans Affairs
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Introduction

Clinical Reminder UPDATE_2_0_13 contains 1 Reminder Exchange entry:

**UPDATE_2_0_13 VA-COMBINATION DRUG CLASSES CROC**

VA facilities reported that the Computerized Patient Record System (CPRS) did not trigger allergy-drug order checks for orders of combination medications that contained a drug similar to a listed allergen. The allergy-drug order checks were also not presented in VA’s Veterans Health Information Systems and Technology Architecture (VistA) for pharmacy review.

VA-COMBINATION DRUG CLASSES CLINICAL REMINDERS ORDER CHECK (CROC) will generate an order check that provides a warning to perform a manual allergy assessment for the following combination drug classes when ordered:

- CV400 - ANTIHYPERTENSIVE COMBINATIONS
- DE250 - ANTI-INFECTIVE/ANTI-INFLAMMATORY COMBINATIONS, TOPICAL
- GA802 - ANTIMUSCARINIC/ANTIPASMODIC COMBINATIONS
- OP350 - ANTI-INFECTIVE/ANTI-INFLAMMATORY COMBINATIONS, TOPICAL
- OPHTHALMIC
- OT250 - ANTI-INFECTIVE/ANTI-INFLAMMATORY COMBINATIONS, TOPICAL
- OTIC
- RE500 - COLD REMEDIES, COMBINATIONS
CPRS Order check results after installation and activation of the CROC (Figures 1 and 2):

**Figure 1 - CPRS Order entry**

![CPRS Order entry](image)

<table>
<thead>
<tr>
<th>Dosage</th>
<th>Complex</th>
<th>Route</th>
<th>Schedule</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 TABLET HCTZ 12.5/LISINOPRIL 20MG TAB</td>
<td>PO/ORAL</td>
<td>8AM</td>
<td></td>
</tr>
<tr>
<td>1 TABLET HCTZ 12.5/LISINOPRIL 20MG TAB</td>
<td>PO/ORAL</td>
<td>QAM</td>
<td></td>
</tr>
<tr>
<td>2 TABLETS HCTZ 12.5/LISINOPRIL 20MG TAB</td>
<td>PO/ORAL</td>
<td>QBEDTIME</td>
<td></td>
</tr>
<tr>
<td>1 TABLET HCTZ 25/LISINOPRIL 20MG TAB</td>
<td>PO/ORAL</td>
<td>QDAILY</td>
<td></td>
</tr>
<tr>
<td>2 TABLETS HCTZ 25/LISINOPRIL 20MG TAB</td>
<td>PO/ORAL</td>
<td>QD</td>
<td></td>
</tr>
<tr>
<td>1 TABLET HCTZ 12.5/LISINOPRIL 10MG TAB</td>
<td>PO/ORAL</td>
<td>QD</td>
<td></td>
</tr>
</tbody>
</table>

**Warning Message Displays upon selection of "Accept Order"**

(1 of 2) COMBINATION DRUG REQUIRES MANUAL ALLERGY-DRUG CHECK

Ordered medication is a combination drug which may NOT trigger order checks.

ACTION: Perform a manual allergy review.

(2 of 2) Duplicate Therapy: Order(s) exist for [RAMIPRIL 2.6MG CAP [ACTIVE NON-VA]] in the same therapeutic category(ies): Angiotensin Converting Enzyme (ACE) Inhibitors, Angiotensin Inhibiting Agents
Figure 2 - CPRS Order signature

Order Checks

To cancel an order select the order by checking the checkbox and press the "Cancel Checked Order(s)" button.
If the order check description is cut short, hover over the text to view the complete description.

<table>
<thead>
<tr>
<th>Cancel</th>
<th>Order/Order Check Text</th>
</tr>
</thead>
<tbody>
<tr>
<td>NCTZ 12.5/LISIMORIL 20MG TAB</td>
<td></td>
</tr>
<tr>
<td>TAKE ONE TABLET BY MOUTH EVERY MORNING FOR HIGH BLOOD PRESSURE</td>
<td></td>
</tr>
<tr>
<td>Quantity: 30 Refills: 0 &quot;UNSIGNED&quot;</td>
<td></td>
</tr>
</tbody>
</table>

*Order Check requires Reason for Override

(1 of 2) COMBINATION DRUG REQUIRES MANUAL ALLERGY-DRUG CHECK
Ordered medication is a combination drug which may NOT trigger order checks.
ACTION: Perform a manual allergy review

(2 of 2) Duplicate Therapy: Order(s) exist for {RAMIPRIL 2.5MG CAP [ACTIVE NON-VAR]} in the same therapeutic category(ies): Angiotensin Converting Enzyme (ACE) Inhibitors, Angiotensin Inhibiting Agents

Cancel Checked Order(s)

NOTE: The override reason is for tracking purposes and should be stated.

Enter reason for overriding order checks:

Accept Order(s)  Return to Orders  Ignore

Warning displays and an override is required.
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_13.PRD

The following reminder content is included in this UPDATE:

**REMINDER TERM**
VA-ALL PATIENTS (TERM)

**REMINDER ORDER CHECK RULES**
VA-COMBINATION DRUG CLASSES

**REMINDER ORDER CHECK ITEMS GROUP**
VA-COMBINATION DRUG CLASSES

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.
In Reminder Exchange, use ACTION “LWH” to load the web host file and input URL http://vista.med.va.gov/reminders/UPDATE_2_0_13.PRD

You should receive a message that your entry was successfully loaded.
In Reminder Exchange, navigate to the exchange entry named **UPDATE_2_0_13 VA-COMBINATION DRUG CLASSES CROC** using SL Action. Once you find your entry, you will use IFE Action to install the entry. In this example, entry 102 will be used to install, it will vary by site.

<table>
<thead>
<tr>
<th>#</th>
<th>Entry</th>
<th>Source</th>
<th>Date Packed</th>
</tr>
</thead>
<tbody>
<tr>
<td>97</td>
<td>UPDATE 9 BACKUP 0712</td>
<td>GRIFFITH@SALT LAKE CI</td>
<td>07/12/201613:18</td>
</tr>
<tr>
<td>98</td>
<td>UPDATE_2_0_1 BENEFICIARY</td>
<td>GRIFFITH@SALT LAKE CI</td>
<td>02/18/201613:34</td>
</tr>
<tr>
<td></td>
<td>TRAVEL/EBOLA UPDATE</td>
<td></td>
<td></td>
</tr>
<tr>
<td>99</td>
<td>UPDATE_2_0_10 VA-MAMMOGRAM TAX</td>
<td>GRIFFITH@SALT LAKE CI</td>
<td>10/29/201510:33</td>
</tr>
<tr>
<td>100</td>
<td>UPDATE 2_0_11 BENZODIAZEPINE/O</td>
<td>SILVERMAN@SALT LAKE CI</td>
<td>04/14/201613:40</td>
</tr>
<tr>
<td></td>
<td>PFOID ORDER CHECK</td>
<td></td>
<td></td>
</tr>
<tr>
<td>101</td>
<td>UPDATE 2_0_12 VA-DIFFICULT AIRWAY</td>
<td>GRIFFITH@SALT LAKE CI</td>
<td>03/10/201614:12</td>
</tr>
<tr>
<td>102</td>
<td>UPDATE 2_0_13 VA-COMBINATION DRUG CLASSES CROC</td>
<td>SILVERMAN@SALT LAKE CI</td>
<td>07/29/201609:12</td>
</tr>
</tbody>
</table>

Once you select your entry to install, use the IA Action.
The following is a listing of the prompts you will see when installing the entry:
Select Action: Next Screen
// IA  Install all Components
REMINDER TERM entry VA-ALL PATIENTS (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
REMINDER ORDER CHECK RULES entry VA-COMBINATION DRUG CLASSES 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
REMINDER ORDER CHECK ITEMS GROUP entry VA-COMBINATION DRUG CLASSES 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
You will be returned to this screen.

| Source:     | SILVERMAN, ROBERT at SALT LAKE CITY |
| Date Packed: | 07/29/2016 09:12:44                |
| Package Version: | 2.0PG3                  |

Description:
R. Silverman 12-2-2015
For NCPS Alert AL 16-xx "Allergy-drug order checks may not trigger for combination drugs"

Keywords:
Components:

ROUTINE
PXRXMPDEN

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

At the select action prompt, type Q to quit.
Install Complete.
Post Install Instructions

1. **Activate the Reminder Order Check Rules**
   The installation of CLINICAL REMINDER UPDATE_2_0_13 will require the STATUS of the Reminder Order Check Rule “VA-COMBINATION DRUG CLASSES” be changed to PROD. Shown below are the steps to make this change.

   The option represented here is **Add/Edit Reminder Order Check Rule [PXRM 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** ORDER CHECK RULE NAME
   Select Reminder Order Check Rule: **VA-COMBINATION DRUG CLASSES**
   RULE NAME: VA-COMBINATION DRUG CLASSES
   DISPLAY NAME: COMBINATION DRUG REQUIRES MANUAL ALLERGY-DRUG CHECK
   STATUS: **PROD**
   ^ change to PROD to activate Production Mode

   CLASS: **NATIONAL**
   SPONSOR: 
   REVIEW DATE: 

   I=INACTIVE, P=PRODUCTION, T=TESTING
   Save and Exit

   **NOTE**: If you don’t get the expected results or require further technical assistance, please notify your local IT support to log a national CA Service Desk Manager (SDM) ticket (previously a Remedy™ ticket) or contact the VA Service Desk at 1-888-596-4357 and have them submit a national CA ticket to the Incident Area: **NTL.APP.VISTA.CLINICAL REMINDERS 2_0** and we will contact you.