



Update _2_0_243

Clinical Reminders

TBI SCREENING UPDATE

Install Guide

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Product Development
Office of Information Technology
Department of Veterans Affairs

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Introduction

VHA Directive 1184 establishes policy on the TBI screening and evaluation process and is being revised to focus on “post-9/11” Veterans from “Operation Enduring Freedom (OEF), Operation Iraqi Freedom (OIF) and Operation New Dawn (OND)”. This revised policy requires changes to the TBI Clinical Reminder in CPRS to focus on “post-9/11” deployment related injuries. All Veterans with a service separation date after 9/11/2001 are required to be screened for possible deployment related TBI. Veterans with a positive TBI screen must be offered a Comprehensive TBI Evaluation (CTBIE) to address symptoms and develop an individualized care plan for their deployment related injuries. Veterans with possible TBI related symptoms not related to post 9/11 deployment would not have a positive TBI screen but should be referred to Polytrauma providers for a comprehensive evaluation and development of an individualized care plan.

The cohort logic is being updated to include any patient that is a Veteran and has a service separation date of later than 09/11/2001.

The dialog is updated to remove the question about where the patient served and replace it with a question about post 09/11 deployment.

Before, the template first asked about what conflicts the Veteran served in and then it expanded and asked about prior diagnosis:

Reminder Resolution: TBI Screening

Did the Veteran ever serve in Operation Iraqi Freedom (OIF), Operation Enduring Freedom (OEF), Operation New Dawn (OND), or Operation Inherent Resolve (OIR), either on the ground, in nearby coastal waters, or in the air above, after September 11, 2001?

No - No service in OEF/OIF/OND/OIR/OFS

Yes - Service in OEF/OIF/OND/OIR

complete all open items

TRAUMATIC BRAIN INJURY SCREENING

Has the veteran already been diagnosed as having TBI during OEF/OIF/OND/OIR deployment?

Yes

No

Patient declines to answer screening questions.

No. TBI screening completed at another VA since most recent deployment.

Web Resources Available:

[VA Polytrauma System of Care](#)

[VA Physical Med & Rehab Polytrauma](#)

To view prior TBI Screening: [Prior TBI Screening](#)

A no response then asked the nested questions 1-4:

Reminder Resolution: TBI Screening

TRAUMATIC BRAIN INJURY SCREENING

Has the veteran already been diagnosed as having TBI during OEF/OIF/OND/OIR deployment?

Yes

No

Section 1: During any of your OIF/OEF/OND/OIR deployment(s) did you experience any of the following events?
(Check all that apply)

Blast or Explosion (IED, RPG, Land Mine, Grenade, etc)

Vehicular accident/crash (any vehicle, including aircraft)

Fragment wound or bullet wound above the shoulders

Fall

Blow to head (head hit by falling/flying object, head hit by another person, head hit against something, etc.)

Other injury to head

ALSO choose one of the responses below:

No, none of the above (Negative Screen)

Yes, one or more of the above.

After: Dialog asks if Veteran was deployed in support of post 09/11 actions and then expands:

Reminder Resolution: TBI Screening

Traumatic Brain Injury (TBI) Screening Version 2.4

All Veterans separating from active duty after September 11, 2001 and receiving medical care within VHA must be screened for possible deployment related TBI. Veterans with positive screens must be offered the Comprehensive TBI Evaluation (CTBIE) by clinicians with expertise in the area of TBI.

For non-deployment related injuries, do not repeat the screen, rather place a referral for a TBI evaluation.

If the patient declines evaluation, please instruct the patient to contact Primary care provider if they wish further evaluation in the future.

To view prior TBI Screening: [Prior TBI Screening](#)

Was the Veteran deployed in support of post-9/11 military operations?

Yes

No

Web Resources Available:

[VA Polytrauma System of Care](#)

[VA Physical Med & Rehab Polytrauma](#)

Clear Clinical Maint Visit Info < Back Next > Finish Cancel

UPDATE_2_0_243 contains 1 Reminder Exchange entry:
UPDATE_2_0_243 VA-TBI SCREENING UPDATE

The exchange file contains the following components:

TIU TEMPLATE FIELD

VA-TBI SCR/HIST RPT
VA-TBI PRIOR SCREEN RESULTS
VA-VAMC LOCATIONS
VA-DATE COMBO Y/M

BLANK TEXT FIELD FOR DIALOGS
VA-TBI PMR POLYTRAUMA
VA-TBI POLYTRAUMA

HEALTH FACTORS

VA-REMINDER UPDATES [C]
VA-UPDATE_2_0_243
TBI-SECTIONS [C]
VA-TBI NO DEPLOYMENT
TBI-SCREENED PREVIOUSLY
TBI-PT REFUSAL
TBI SOURCE [C]
TBI-OTHER INJURY TO HEAD
TBI-BLOW TO HEAD
TBI RESULTS [C]
TBI-HEAD INJURY
TBI-CONCUSSION
TBI SYMPTOMS [C]
TBI-SLEEP PROBLEMS
TBI CURRENT SYMPTOMS [C]
TBI-CURRENT SLEEP PROBLEM
TBI-REFERRALS [C]
TBI-REFERRAL DECLINED
TBI-REFERRAL SENT
TBI-SECTION IV - YES
TBI-SECTION IV - NO
TBI-CURRENT HEADACHES
TBI-CURRENT IRRITABILITY
TBI-CURRENT VISUAL PROBLEMS
TBI-CURRENT DIZZINESS
TBI-CURRENT MEMORY PROBLEMS
TBI-SECTION III - YES
TBI-SECTION III - NO
TBI-VISUAL PROBLEMS
TBI-IRRITABILITY
TBI-MEMORY PROBLEMS
TBI-DIZZINESS
TBI-HEADACHES
TBI-SECTION II - YES
TBI-SECTION II - NO
TBI-UNCONSCIOUS
TBI-NO MEMORY OF INJURY
TBI-DAZED/CONFUSED
TBI-SECTION I - YES
TBI-SECTION I - NO
TBI-BLAST

TBI-FALL
TBI-VEHICULAR
TBI-FRAGMENT/BULLET
TBI-PREVIOUS TBI DX
IRAQ/AFGHANISTAN [C]
IRAQ/AFGHAN SERVICE
NO IRAQ/AFGHAN SERVICE

REMINDER SPONSOR

OFFICE OF PATIENT CARE SERVICES
OFFICE OF QUALITY & PERFORMANCE
OFFICE OF PUBLIC HEALTH AND ENVIRONMENTAL HAZARDS

REMINDER TERM

VA-REMINDER UPDATE_2_0_243
VA-COMBAT VET
VA-TBI-PT REFUSAL
VA-TBI-PREVIOUS TBI DX
VA-IRAQ/AFGHAN SERVICE
VA-IRAQ/AFGHAN SERVICE NO
VA-TBI SCREENING COMPLETED SCREENING RESOLUTIONS
VA-ACTIVE DUTY
VA-IRAQ/AFGHAN PERIOD OF SERVICE

REMINDER DEFINITION

VA-TBI SCREENING

REMINDER DIALOG

VA-TBI SCREENING

Pre-Install

1. Find TBI Referral orders currently in use.

- Using the Vista Menu, Reminder Dialog Manager, DI- Reminder Dialog, change view to Element view and Inq/Print the reminder dialog element **VA-PDIQ POLYTRAUMA CONSULT**. You will need to identify the local order used as an additional finding and add this order back post install.
- Using the Vista Menu, Reminder Dialog Manager, DI- Reminder Dialog, change view to Element view and Inq/Print the reminder dialog element **VA-TBI OI CONSULT FOR KNOWN TBI**. You will need to identify the local order used as an additional finding and add this order back post install.

Install Details

This update is being distributed as a web host file. The address for the host file is:
https://REDACTED/UPDATE_2_0_243.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 2 minutes.

Install Example

To Load the exchange file, use LWH. The URL is
https://REDACTED/UPDATE_2_0_243.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://[REDACTED]/UPDATE_2_0_243.PRD
```

If you use LWH and it works, you will see something like this message. Make sure the file was loaded successfully.

```
https://[REDACTED]/UPDATE_2_0_243.PRD successfully loaded.
```

Search and locate an entry titled **UPDATE_2_0_243 VA-TBI SCREENING UPDATE** in reminder exchange.

+Item	Entry	Source	Date Packed
227	UPDATE_2_0_243 VA-TBI SCREENING UPDATE		01/13/2022@06:05
228	UPDATE_2_0_245 VA-COMMUNITY CARE RFS RESPONSE UPDATE		12/21/2021@10:46
229	UPDATE_2_0_247 VA-HOME TELEHEALTH ZBI UPDATE		11/16/2021@08:25
230	UPDATE_2_0_248 VA-GERIATRIC ED NOTE TEMPLATE UPDATE		12/16/2021@08:01
231	UPDATE_2_0_250 VA-TERATOGENIC MEDS ORDER CHECKS UPDATE		12/22/2021@14:47

+ + 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 (1-404): 227

At the **Select Action** prompt, enter **IFE** for Install Exchange File Entry
 Enter the number that corresponds with your entry titled **UPDATE_2_0_243 VA-TBI SCREENING UPDATE** (in this example it is entry 227, it will vary *by site*) that is dated 01/13/2021.

Component	Category	Exists
Source:		
Date Packed: 01/13/2022@06:05:28		
Package Version: 2.0P71		
Description:		
The following Clinical Reminder items were selected for packing:		
REMINDER DIALOG		
VA-TBI SCREENING		
REMINDER TERM		
VA-REMINDER UPDATE_2_0_243		
REMINDER DEFINITION		
VA-TBI SCREENING		
Non-exchangeable order dialog(s):		

+ 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.
 For all new entries in any category you will choose **I to Install**
Skip any Health Factors that you are prompted to Overwrite.
Merge any Reminder Terms that exist but are different
OVERWRITE the reminder definition

You will then be prompted to install the first dialog component. You will choose IA to install all even though some items will already have an X to indicate they exist.

```
Packed reminder dialog: VA-TBI SCREENING
```

Item	Seq.	Dialog Findings	Type	Exists
1		VA-TBI SCREENING	dialog	X
2	5	VA-TBI SCREENING VERSION Finding: *NONE*	element	
3	10	VA-GP TBI DEPLOYMENT POST 911 Finding: *NONE*	group	
4	10.5	VA-GP TBI DEPLOYMENT POST 911 YES Finding: *NONE*	group	
5	10.5.5	VA-GP PREVIOUS TBI DX Finding: *NONE*	group	X
6	10.5.5.5	VA-GP PREVIOUS TBI DIAGNOSIS Finding: TBI-PREVIOUS TBI DX (HEALTH FACTOR)	group	X
7	10.5.5.5.5	VA-TBI TEXT PREVIOUS DX NO SCREEN Finding: *NONE*	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-TBI SCREENING**

YOU WILL SEE THESE PROMPTS:

FINDING entry Q.ECOE TEMP OI FOR POLYTRAUMA CONSULT does not exist.

Select one of the following:

- D Delete
- P Replace with an existing entry
- Q Quit the install

Enter response: P Replace with an existing entry

Select ORDER DIALOG NAME: **enter your local order dialog for polytrauma consult here**

FINDING entry Q.ECOE TEMP OI FOR KNOWN TBI does not exist.

Select one of the following:

- D Delete
- P Replace with an existing entry
- Q Quit the install

Enter response: P Replace with an existing entry

Select ORDER DIALOG NAME: **enter your local order dialog for TBI consult here**

```

Packed reminder dialog: VA-TBI SCREENING
VA-TBI SCREENING (reminder dialog) installed from exchange file.
Item  Seq. Dialog Findings                               Type  Exists
  1    VA-TBI SCREENING                                  dialog X
  2    5 VA-TBI SCREENING VERSION                          element X
      Finding: *NONE*
  3    10 VA-GP TBI DEPLOYMENT POST 911                    group  X
      Finding: *NONE*
  4    10.5 VA-GP TBI DEPLOYMENT POST 911 YES              group  X
      Finding: *NONE*
  5    10.5.5 VA-GP PREVIOUS TBI DX                       group  X
      Finding: *NONE*
  6    10.5.5.5 VA-GP PREVIOUS TBI DIAGNOSIS              group  X
      Finding: TBI-PREVIOUS TBI DX (HEALTH FACTOR)
  7    10.5.5.5.5 VA-TBI TEXT PREVIOUS DX NO SCREEN      group  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: 01/13/2022006:05:28
Package Version: 2.0P71

Description:
The following Clinical Reminder items were selected for packing:
REMINDER DIALOG
  VA-TBI SCREENING

REMINDER TERM
  VA-REMINDER UPDATE_2_0_243

REMINDER DEFINITION
  VA-TBI SCREENING
Non-exchangeable order dialog(s):
-----
+      + Next Screen  - Prev Screen  ?? 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. **Add/Review TBI Referral identified in pre-install to reminder dialog.** Using the Vista Menu, Reminder Dialog Manager, DI- Reminder Dialog, change view to element view edit the reminder dialog element **VA-PDIQ POLYTRAUMA CONSULT**, confirm that the quick order identified in the pre-install is an additional finding and add it if it is not.
2. **Add/Review TBI Referral identified in pre-install to reminder dialog.** Using the Vista Menu, Reminder Dialog Manager, DI- Reminder Dialog, change view to element view edit the reminder dialog element **VA-TBI OI CONSULT FOR KNOWN TBI**, confirm the quick order identified in the pre-install is an additional finding and add it if it is not.
3. **Open the TBI reminder** on a test patient and confirm the version number displayed at the top of the screen is 2.4.
4. **Inquire into the reminder definition VA-TBI SCREENING** and confirm the cohort logic matches what is shown below:

Customized PATIENT COHORT LOGIC to see if the Reminder applies to a patient:

FI(10)&FI(1)&'(FI(11)&FF(5))