Clinical Decision Support (CDS) Content and Health Level 7 (HL7)-Compliant Knowledge Artifacts (KNARTs)

Mental Health: Iraq & Afghanistan Post-Deployment Screen Clinical Content White Paper

Department of Veterans Affairs (VA)

Knowledge Based Systems (KBS)
Office of Informatics and Information Governance (OIIG)
Clinical Decision Support (CDS)
Clinical Decision Support (CDS) Content and Health Level 7 (HL7)-Compliant Knowledge Artifacts (KNARTs): Mental Health: Iraq & Afghanistan Post-Deployment Screen Clinical Content White Paper
by Department of Veterans Affairs (VA), , , and

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**Contract: VA118-16-D-1008, Task Order (TO): VA-118-16-F-1008-0007**

**Table 1. Relevant KNART Information - Mental Health: Post-Deployment Screen KNARTs**

<table>
<thead>
<tr>
<th>Mental Health KNART</th>
<th>Associated CLIN</th>
</tr>
</thead>
<tbody>
<tr>
<td>Iraq &amp; Afghanistan Post-Deployment Screen Reminder – Event Condition Action (ECA) Rule</td>
<td>CLIN0003AA</td>
</tr>
<tr>
<td>Iraq &amp; Afghanistan Post-Deployment Screen - Rule to Create Appropriate Order Set – ECA Rule</td>
<td>CLIN0007AA</td>
</tr>
<tr>
<td>Iraq &amp; Afghanistan Post-Deployment Screen – Documentation Template</td>
<td>CLIN0005AB</td>
</tr>
<tr>
<td>Iraq &amp; Afghanistan Post-Deployment Screen – Order Set</td>
<td>CLIN0008AA</td>
</tr>
</tbody>
</table>

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# Table of Contents

VA Subject Matter Expert (SME) Panel ................................................................. vii  
Introduction ........................................................................................................ viii  
Conventions Used ................................................................................................ ix  

1. Mental Health: Iraq & Afghanistan Post-Deployment Screen .................................................. 1  
   Clinical Context .................................................................................................. 1  
   Knowledge Artifacts ......................................................................................... 1  

2. Event Condition Action (ECA) Rule: Iraq & Afghanistan Post-Deployment Screen Reminder .................................................. 2  
   Knowledge Narrative ....................................................................................... 2  
   Iraq & Afghanistan Post-Deployment Screen Reminder .................................. 2  

3. Event Condition Action (ECA) Rule: Iraq & Afghanistan Post-Deployment Screen – Rule to Create Appropriate Order Set .................................................. 4  
   Knowledge Narrative ....................................................................................... 4  
   Iraq & Afghanistan Post-Deployment Screen – Rule to Create Appropriate Order Set .................................................. 4  
   Unexplained Fevers ......................................................................................... 5  
   Chronic Diarrhea or Other Gastrointestinal Complaints .................................... 5  
   Persistent Papular or Nodular Rash .................................................................. 6  
   Possible Embedded Fragment or Shrapnel ...................................................... 6  
   Possible Traumatic Brain Injury ...................................................................... 7  

4. Documentation Template: Iraq & Afghanistan Post-Deployment Screen ......................................... 8  
   Knowledge Narrative ....................................................................................... 8  
   Iraq & Afghanistan Post-Deployment Screen .................................................. 8  
   Infectious Disease Screen .............................................................................. 8  
   Embedded Fragment Screen ......................................................................... 9  
   TBI Screen ..................................................................................................... 9  

5. Order Set: Iraq & Afghanistan Post-Deployment Screen ........................................................ 10  
   Knowledge Narrative ..................................................................................... 10  
   Laboratory Tests ............................................................................................ 10  
   Consults and Referrals ................................................................................... 10  
   Patient and Caregiver Education .................................................................. 11  

Bibliography/Evidence ...................................................................................... 12  
A. Existing Sample VA Artifacts ........................................................................... 13  
B. Logic Diagrams ............................................................................................ 44  
C. Basic Laboratory Panel Definition .................................................................. 45  
Acronyms .......................................................................................................... 46
List of Figures

A.1. Reminder Dialog Template: Operation Enduring Freedom (OEF)/Operation Iraqi Freedom (OIF) Case Management Screen ................................................................. 25
A.2. Consult Order: Operation Enduring Freedom (OEF)/Operation Iraqi Freedom (OIF) Outpatient Case Management Program ................................................................. 26
A.3. Reminder Resolution: Operation Enduring Freedom (OEF)/Operation Iraqi Freedom (OIF) Post-Deployment Screen (image 1 of 3) ........................................................................ 27
A.4. Reminder Resolution: Operation Enduring Freedom (OEF)/Operation Iraqi Freedom (OIF) Post-Deployment Screen (image 2 of 3) ................................................................. 28
A.5. Reminder Resolution: Operation Enduring Freedom (OEF)/Operation Iraqi Freedom (OIF) Post-Deployment Screen (image 3 of 3) ................................................................. 29
A.6. Post-Deployment/Transition Consult Note (image 1 of 13) ............................................................... 30
A.7. Post-Deployment/Transition Consult Note (image 2 of 13) ............................................................... 31
A.8. Post-Deployment/Transition Consult Note (image 3 of 13) ............................................................... 32
A.9. Post-Deployment/Transition Consult Note (image 4 of 13) ............................................................... 33
A.10. Post-Deployment/Transition Consult Note (image 5 of 13) ............................................................. 34
A.11. Post-Deployment/Transition Consult Note (image 6 of 13) ............................................................ 35
A.12. Post-Deployment/Transition Consult Note (image 7 of 13) ............................................................ 36
A.13. Post-Deployment/Transition Consult Note (image 8 of 13) ............................................................ 37
A.14. Post-Deployment/Transition Consult Note (image 8 of 13) ............................................................ 37
A.15. Post-Deployment/Transition Consult Note (image 9 of 13) ............................................................ 39
A.16. Post-Deployment/Transition Consult Note (image 10 of 13) .......................................................... 40
A.17. Post-Deployment/Transition Consult Note (image 11 of 13) .......................................................... 41
A.18. Post-Deployment/Transition Consult Note (image 12 of 13) .......................................................... 42
A.19. Post-Deployment/Transition Consult Note (image 13 of 13) .......................................................... 43
B.1. Iraqi & Afghanistan Post-Deployment Event Condition Action (ECA) Rules .................................... 44
List of Tables

1. Relevant KNART Information - Mental Health: Post-Deployment Screen KNARTs ........................................ ii
2. VA Subject Matter Expert (SME) Panel ......................................................................................................... vii
1.1. Clinical Context Domain ......................................................................................................................... 1
# VA Subject Matter Expert (SME) Panel

Table 2. VA Subject Matter Expert (SME) Panel

<table>
<thead>
<tr>
<th>Name</th>
<th>Title</th>
<th>Project Role</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rani Hoff, PhD, MPH</td>
<td>Director, Northeast Program Evaluation Center Office of Mental Health</td>
<td>SME, Primary</td>
</tr>
<tr>
<td></td>
<td>and Suicide Prevention (10NC5) VA Central Office (VACO)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Professor of Psychiatry, Yale University School of Medicine</td>
<td></td>
</tr>
<tr>
<td>Katy Lysell, MD</td>
<td>National Mental Health Director for Informatics</td>
<td>SME, Secondary</td>
</tr>
<tr>
<td></td>
<td>Honolulu, HI 96819</td>
<td></td>
</tr>
<tr>
<td>Ed Post, MD</td>
<td>CIO, VA Ann Arbor Healthcare System</td>
<td>SME</td>
</tr>
<tr>
<td>Andrew Pomerantz</td>
<td>National Mental Health Director, Integrated Care</td>
<td>SME</td>
</tr>
<tr>
<td>John McCarthy</td>
<td>Director, Serious Mental Illness Treatment Resource and Evaluation</td>
<td>SME</td>
</tr>
<tr>
<td></td>
<td>Center (SMITREC) &amp; National PC-MHI Evaluation</td>
<td></td>
</tr>
</tbody>
</table>
Introduction

The VA is committed to improving the ability of clinicians to provide care for patients while increasing quality, safety, and efficiency. Recognizing the importance of standardizing clinical knowledge in support of this goal, VA is implementing the Health Level 7 (HL7) Knowledge Artifact Specification for a wide range of VA clinical use cases. Knowledge Artifacts, referred to as (KNARTs), enable the structuring and encoding of clinical knowledge so the knowledge can be integrated with electronic health records to enable clinical decision support.

The purpose of this Clinical Content White Paper (CCWP) is to capture the clinical context and intent of KNART use cases in sufficient detail to provide the KNART authoring team with the clinical source material to construct the corresponding knowledge artifacts using the HL7 Knowledge Artifact Specification. This paper has been developed using material from a variety of sources: VA artifacts, clinical practice guidelines, evidence in the body of medical literature, and clinical expertise. After reviewing these sources, the material has been synthesized and harmonized under the guidance of VA subject matter experts to reflect clinical intent for this use case.

Unless otherwise noted, items within this white paper (e.g., documentation template fields, orderable items, etc.) are chosen to reflect the clinical intent at the time of creation. To provide an exhaustive list of all possible items and their variations is beyond the scope of this work.
Conventions Used

Conventions used within the knowledge artifact descriptions include:

<obtain>: Indicates a prompt to obtain the information listed

• If possible, the requested information should be obtained from the underlying system(s). Otherwise, prompting
  the user for information may be required

• The technical and clinical notes associated with a section should be consulted for specific constraints on the
  information (e.g., time-frame, patient interview, etc.)

• Default Values: Unless otherwise noted, <obtain> indicates to obtain the most recent observation. It is
  recognized that this default time-frame value may be altered by future implementations

[...]: Square brackets enclose explanatory text that indicates some action on the part of the clinical user, or general
  guidance to the clinical or technical teams. Examples include, but are not limited to:

  [Begin ...], [End ...]: Indicates the start and end of specific areas to clearly delineate them for
  technical purposes.

  [Activate ...]: Initiates another knowledge artifact or knowledge artifact section.

  [Section Prompt: ...]: If this section is applicable, then the following prompt should be displayed
  to the user.

  [Section Selection Behavior: ...]: Indicates technical constraints or considerations for the
  selection of items within the section.

  [Attach: ...]: Indicates that the specified item should be attached to the documentation template
  if available.

  [Link: ...]: Indicates that rather than attaching an item, a link should be included in the
  documentation template.

  [Clinical Comment: ...]: Indicates clinical rationale or guidance.

  [Technical Note: ...]: Indicates technical considerations or notes.

  [If ...]: Indicates the beginning of a conditional section.

  [Else, ...]: Indicates the beginning of the alternative branch of a conditional section.

  [End if ...]: Indicates the end of a conditional section.

☐: Indicates items that should be selected based upon the section selection behavior.
Chapter 1. Mental Health: Iraq & Afghanistan Post-Deployment Screen

Clinical Context

[Begin Clinical Context.]

This section is intended to facilitate identification of patients requiring war on terror Veteran post-deployment screening; support documentation of screening-related findings and decisions; and support initiation of appropriate clinical orders.

Table 1.1. Clinical Context Domain

<table>
<thead>
<tr>
<th>Target User</th>
<th>Mental health providers, primary care providers (PCPs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Patient</td>
<td>Combat Veterans of the war on terror</td>
</tr>
<tr>
<td>Priority</td>
<td>Routine</td>
</tr>
<tr>
<td>Specialty</td>
<td>Primary Care / Mental Health</td>
</tr>
<tr>
<td>Location</td>
<td>Outpatient</td>
</tr>
</tbody>
</table>

[End Clinical Context.]

Knowledge Artifacts

[Begin Knowledge Artifacts.]

This section describes the CDS knowledge artifacts that are intended for clinical providers caring for combat Veterans of the war on terror who present to a Primary Care Clinic or Mental Health Clinic.

Four knowledge artifacts define this clinical use case. These artifacts include 2 ECA Rules, a Documentation Template, and an Order Set, which the following sections describe in detail.

• ECA Rules: Iraq & Afghanistan Post-Deployment Screen Reminder and Iraq & Afghanistan Post-Deployment - Rule to Create Appropriate Order Set KNARTs
  • Rule logic for post-deployment screening reminder
  • Actions may include activating the documentation template or order set
• Documentation Template: Post-Deployment Screen KNART
  • Documents post-deployment screening associated findings and decisions
  • Includes logic for appropriate display of documentation sections
• Order Set: Post-Deployment Screen KNART
  • Orderable items associated with post-deployment screening
  • Includes logic for appropriate display of the order set

[End Knowledge Artifacts.]
Chapter 2. Event Condition Action (ECA) Rule: Iraq & Afghanistan Post-Deployment Screen Reminder

[Begin Event Condition Action (ECA) Rule: Iraq & Afghanistan Post-Deployment Screen Reminder.]

Knowledge Narrative

[Begin Knowledge Narrative.]

[See Clinical Context in Chapter 1.]

Upon returning from deployment, many combat Veterans of the war on terror successfully reintegrate into society; however, some have greater difficulty doing so. Problems these Veterans face include complex mental and physical problems, as well as financial challenges. Although programs exist for Veterans facing sequelae of deployment, Veterans with ongoing issues must be identified before they can benefit from such programs. Post-deployment Veterans should be screened for mental health–related problems such as posttraumatic stress disorder (PTSD), military sexual trauma, depression, suicidality, and alcohol abuse, as well as social welfare issues such as risk for homelessness and physical problems such as persistent infections, embedded fragments or shrapnel, and traumatic brain injury.

[End Knowledge Narrative.]

Iraq & Afghanistan Post-Deployment Screen Reminder

[Begin Iraq & Afghanistan Post-Deployment Screen Reminder.]

Events

[Begin Events.]

1. Any access of the patient record.

2. Upon first visit to a Primary Care or Mental Health provider in the VA system.

[End Events.]

Conditions

[Begin Conditions.]

1. Status as a Veteran who served in Iraq or Afghanistan after September 11, 2001 (post-deployment after return from combat service).

2. Absence of record of completed post-deployment screening (all questions answered in the survey).

[End Conditions.]

Actions

[Begin Actions.]

1. Create a communication request to the provider that patient is a candidate for post-deployment screening
2. Open the “Mental Health – Iraq & Afghanistan Post-Deployment Screen” documentation template KNART.

[End Actions.]

[End Iraq & Afghanistan Post-Deployment Screen Reminder.]

[End Event Condition Action (ECA) Rule: Iraq & Afghanistan Post-Deployment Screen Reminder.]
Chapter 3. Event Condition Action (ECA) Rule: Iraq & Afghanistan Post-Deployment Screen – Rule to Create Appropriate Order Set

Knowledge Narrative

Iraq & Afghanistan Post-Deployment Screen – Rule to Create Appropriate Order Set

Events

Submission of the “Mental Health – Iraq & Afghanistan Post-Deployment Screen” documentation template KNART. (This event applies to all branches.)

Conditions

Any positive screen or finding recorded in the “Mental Health – Iraq & Afghanistan Post-Deployment Screen” documentation template KNART that indicates a need for initiation of specialty evaluation, care management services, or social work services as described in the branches below.

Actions

1. Linking to clinical practice guidelines.
2. Linking to other KNARTs.
3. Creation of the appropriate orders in the “Mental Health -Iraq & Afghan Post-Deployment Screen” order set KNART as described in the branches below.
Unexplained Fevers

Events
[Begin Events.]
• Submission of the “Mental Health – Iraq & Afghanistan Post-Deployment Screen” documentation template KNART. (This event applies to all branches.)
[End Events.]

Conditions
[Begin Conditions.]
• Response of "Yes" to “Unexplained fevers since serving in the area of conflict?"
[End Conditions.]

Actions
[Begin Actions.]
1. Provide link to “General Clinical Note” documentation template KNART.
2. Provide link to “Generic E-Consult” documentation template-consult request KNART.
3. Display order for infectious diseases consult for unexplained fevers in the “Consults and Referrals” section of the “Mental Health – Iraq & Afghanistan Post-Deployment Screen” order set KNART.
4. Display order for patient education for unexplained fevers in Veterans who served in Iraq or Afghanistan after September 11, 2001, in the “Patient and Caregiver Education” section of the “Mental Health – Iraq & Afghanistan Post-Deployment Screen” order set KNART.
[End Actions.]

Chronic Diarrhea or Other Gastrointestinal Complaints

Events
[Begin Events.]
• Submission of the “Mental Health – Iraq & Afghanistan Post-Deployment Screen” documentation template KNART. (This event applies to all branches.)
[End Events.]

Conditions
[Begin Conditions.]
• Response of "Yes" to “Chronic diarrhea or other gastrointestinal complaints since serving in the area of conflict?"
[End Conditions.]

Actions
[Begin Actions.]
1. Provide link to “General Clinical Note” documentation template KNART.
2. Provide link to “Generic E-Consult” documentation template-consult request KNART.
3. Display order for ova and parasites in the “Laboratory Tests” section of the “Mental Health – Iraq & Afghanistan Post-Deployment Screen” order set KNART.

4. Display order for gastroenterology consult in the “Consults and Referrals” section of the “Mental Health – Iraq & Afghanistan Post-Deployment Screen” order set KNART.

5. Display order for patient education for chronic diarrhea and other gastrointestinal complaints in Veterans who served in Iraq or Afghanistan after September 11, 2001, in the “Patient and Caregiver Education” section of the “Mental Health – Iraq & Afghanistan Post-Deployment Screen” order set KNART.

[End Actions.]

**Persistent Papular or Nodular Rash**

**Events**

[Begin Events.]

- Submission of the “Mental Health – Iraq & Afghanistan Post-Deployment Screen” documentation template KNART. (This event applies to all branches.)

[End Events.]

**Conditions**

[Begin Conditions.]

- Response of “Yes” to “Persistent papular or nodular rash since serving in the area of conflict?”

[End Conditions.]

**Actions**

[Begin Actions.]

1. Provide link to “General Clinical Note” documentation template KNART.
2. Provide link to “Generic E-Consult” documentation template-consult request KNART.
3. Display order for infectious diseases consult for persistent rash in the “Consults and Referrals” section of the “Mental Health – Iraq & Afghanistan Post-Deployment Screen” order set KNART.
4. Display order for patient education for persistent rash in Veterans who served in Iraq or Afghanistan after September 11, 2001, in the “Patient and Caregiver Education” section of the “Mental Health – Iraq & Afghanistan Post-Deployment Screen” order set KNART.

[End Actions.]

**Possible Embedded Fragment or Shrapnel**

**Events**

[Begin Events.]

- Submission of the “Mental Health – Iraq & Afghanistan Post-Deployment Screen” documentation template KNART. (This event applies to all branches.)

[End Events.]

**Conditions**
Event Condition Action (ECA)  
Rule: Iraq & Afghanistan Post-Deployment Screen – Rule to Create Appropriate Order Set

[Begin Conditions.]

- Response of "Yes" to "Suspected or known embedded fragments or shrapnel as a result of serving in the area of conflict?"

[End Conditions.]

**Actions**

[Begin Actions.]

Provide link to an embedded fragments documentation template when one becomes available. In the interim:

1. Provide link to “General Clinical Note” documentation template KNART.
2. Provide link to “Generic E-Consult” documentation template-consult request.
3. Display order for patient education for embedded fragments or shrapnel in Veterans who served in Iraq or Afghanistan after September 11, 2001, in the “Patient and Caregiver Education” section of the “Mental Health – Iraq & Afghanistan Post-Deployment Screen” order set KNART.

[End Actions.]

Possible Traumatic Brain Injury

**Events**

[Begin Events.]

- Submission of the “Mental Health – Iraq & Afghanistan Post-Deployment Screen” documentation template KNART. (This event applies to all branches.)

[End Events.]

**Conditions**

[Begin Conditions.]

- Response of "Yes" to "Suspected or known head injury resulting in alteration or loss of consciousness during deployment?"

[End Conditions.]

**Actions**

[Begin Actions.]

1. Provide link to “Neurology – TBI Screening” ECA Rule KNART.

[End Actions.]
Chapter 4. Documentation Template: Iraq & Afghanistan Post-Deployment Screen

[Begin Documentation Template: Iraq & Afghanistan Post-Deployment Screen.]

Knowledge Narrative

[Begin Knowledge Narrative.]

[See Clinical Context in Chapter 1.]

[End Knowledge Narrative.]

Iraq & Afghanistan Post-Deployment Screen

[Begin Iraq & Afghanistan Post-Deployment Screen.]

[Technical Note: This documentation template should be available to primary care and mental health providers caring for outpatients identified as candidates for the war on terror post-deployment screening.]

[Technical Note: Please auto populate the answers to the post-deployment status questions.]

[Section Prompt: Did the Veteran serve in Iraq or Afghanistan after September 11, 2001 (post-deployment after return from combat service)]

[Section Behavior: Select one. Optional.]

☐ Yes

<obtain> Dates

☐ No

[Link: Provide link to “Mental Health - PTSD Screening and Assessment” documentation template KNART.]

[Link: Provide link to “Mental Health – Military Sexual Trauma” documentation template KNART.]

[Link: Provide link to “Mental Health – Consult for Depression” documentation template-consult request KNART.]

[Link: Provide link to “Mental Health – Suicide Risk Assessment” documentation template KNART.]

[Link: Provide link to future KNART for Screening for Unhealthy Alcohol Use.]

[Link: Provide link to “Mental Health – Homelessness” documentation template KNART.]

Infectious Disease Screen

[Section Prompt: Unexplained fevers since serving in the area of conflict?]}

[Section Behavior: Select one. Optional.]

☐ Yes

<obtain> Description
[Section Prompt: Chronic diarrhea or other gastrointestinal complaints since serving in the area of conflict?]
[Section Behavior: Select one. Optional.]

☐ Yes
   <obtain> Description

☐ No

[Section Prompt: Persistent papular or nodular rash since serving in the area of conflict?]
[Section Behavior: Select one. Optional.]

☐ Yes
   <obtain> Description

☐ No

**Embedded Fragment Screen**

[Section Prompt: Suspected or known embedded fragments or shrapnel as a result of serving in the area of conflict?]
[Section Behavior: Select one. Optional.]

☐ Yes
   <obtain> Description

☐ No

**TBI Screen**

[Technical Note: Note the existence of the “Neurology – TBI Screening” ECA Rule.]

[Section Prompt: Suspected or known head injury resulting in alteration or loss of consciousness during deployment?]
[Section Behavior: Select one. Optional.]

☐ Yes
   <obtain> Description

☐ No

<obtain> Additional information

[Technical Note: The screening reminder should not be turned off until all questions have been answered.]

[End Iraq & Afghanistan Post-Deployment Screen.]

[End Documentation Template: Iraq & Afghanistan Post-Deployment Screen.]
Chapter 5. Order Set: Iraq & Afghanistan Post-Deployment Screen

Knowledge Narrative

[Begin Knowledge Narrative.]

[See Clinical Context in Chapter 1.]

[End Knowledge Narrative.]

Laboratory Tests

[Begin Laboratory Tests.]

[Technical Note: This section of the order set should be provided to primary care providers and mental health providers following submission of the “Mental Health – Iraq & Afghanistan Post-Deployment Screen” documentation template. Specific orders should be displayed based on the actions described in the related branches of the “Mental Health – Iraq & Afghanistan Post-Deployment Screen - Rule to Create Appropriate Order Set” ECA Rule.]

[Section Selection Behavior: Select one. Optional.]

☐ Ova and parasites stool (routine)

[End Laboratory Tests.]

Consults and Referrals

[Begin Consults and Referrals.]

[Technical Note: This section of the order set should be provided to primary care providers and mental health providers following submission of the “Mental Health – Iraq & Afghanistan Post-Deployment Screen” documentation template. Specific orders should be displayed based on the actions described in the related branches of the “Mental Health – Iraq & Afghanistan Post-Deployment Screen - Rule to Create Appropriate Order Set” ECA Rule.]

[Section Selection Behavior: Select any or none. Optional.]

☐ Referral care management services evaluate need for care management services (now)

☐ Referral social services evaluate need for social services (now)

☐ Consult infectious diseases evaluate chronic unexplained fevers in Veteran who served in Iraq or Afghanistan after September 11, 2001 (now)

☐ Consult gastroenterology evaluate chronic diarrhea/other gastrointestinal complaints in Veteran who served in Iraq or Afghanistan after September 11, 2001 (now)

☐ Consult infectious diseases evaluate persistent rash in Veteran who served in Iraq or Afghanistan after September 11, 2001 (now)

[End Consults and Referrals.]
Patient and Caregiver Education

[Begin Patient and Caregiver Education.]

[Technical Note: This section of the order set should be provided to primary care providers and mental health providers following submission of the “Mental Health – Iraq & Afghanistan Post-Deployment Screen” documentation template KNART. Specific orders should be displayed based on the actions described in the related branches of the “Mental Health – Iraq & Afghanistan Post-Deployment Screen - Rule to Create Appropriate Order Set” ECA Rule.]

[Section Selection Behavior: Select any or none. Optional.]

☐ Unexplained fevers in Veterans who served in Iraq or Afghanistan after September 11, 2001, patient education

☐ Chronic diarrhea and other gastrointestinal complaints in Veterans who served in Iraq or Afghanistan after September 11, 2001, patient education

☐ Persistent rash in Veterans who served in Iraq or Afghanistan after September 11, 2001, patient education

☐ Embedded fragments or shrapnel in Veterans who served in Iraq or Afghanistan after September 11, 2001, patient education

[End Patient and Caregiver Education.]

[End Order Set: Iraq & Afghanistan Post-Deployment Screen.]
Bibliography/Evidence


Appendix A. Existing Sample VA Artifacts

All of the following artifacts/images are referenced from the Portland VA Medical Center (VAMC).

Patients who served in combat in either Operation Iraqi Freedom (Iraq, Kuwait, Saudi Arabia, Turkey) or in Operation Enduring Freedom (Afghanistan, Georgia, Kyrgyzstan, Pakistan, Tajikistan, Uzbekistan, The Philippines) should be screened for illnesses related to their service. Screening for PTSD, depression, problem alcohol use, infectious diseases, and embedded fragments should be part of the initial evaluation of these Veterans.

COHORT: veterans with separation date after 9/11/01. This finding is part of the reminder term: VA-IRAQ/AFGHAN PERIOD OF SERVICE and is determined by a computed finding.

An additional reminder term VA-ACTIVE DUTY is also available to cause patients to be part of the cohort. If a site wishes to screen active duty patients then the computed finding for VA-PATIENT TYPE should be added to the term with a condition of I V="ACTIVE DUTY".

Patients who have OEF/OIF service as recorded in the patient registration data are automatically part of the cohort and patients who did not serve in OEF/OIF are not included in the denominator.

RESOLUTION: entry of a health factor for NO IRAQ/AFGHAN SERVICE which is found in the reminder term IRAQ/AFGHAN SERVICE NO will resolve the reminder only if the patient does not have an entry of OEF/OIF service in the patient file. If the Veteran is known to have OEF/OIF service, based on the registration data then the location of service is not required.

If the veteran served in Iraq or Afghanistan as recorded in the patient registration data (File 1), then the patient must be screened or the registration data must be updated.

For all applicable patients who are not cognitively impaired: all the other items are required to resolve the reminder and must be completed after the date of the most recent service separation:
   a) screen for PTSD,
   b) screen for depression,
   c) screen for alcohol use,
   d) all 3 screening questions related to infectious diseases.
(The 4th question for embedded fragments is new as of the summer of 2008 and because of this, cannot be required at this time by the reminder logic).

The clinical maintenance will display information on which portions of the screen are not yet completed.

All of the individual elements of the screening tool are exported with attached health factors and reminder terms.

PTSD, depression and alcohol screening must be recorded in the MH package and the dialog for this reminder requires use of the MH instruments for
these screens. Screens done prior to 10/1/08 using health factors will still resolve the reminder since those health factors are in the reminder terms that are part of the logic in this reminder.

The HFs for all of these screens should be entered in the site parameters as ones that cannot be added outside of a reminder dialog. Use the parameter ORWPCE EXCLUDE HEALTH FACTORS to exclude these from the electronic encounter forms. Entry of these health factors should ONLY occur during reminder dialog use.

Update October 2008 - patch PXRM*2*11 1. Health factors for PTSD screening, depression screening and alcohol screening are not allowed after 10/1/08 per the Office of Mental Health. 2. A HF for done elsewhere is included. 3. Combat vets need to be screened 4. The computed finding was removed from the reminder term for VA-ACTIVE DUTY since only a few sites screen active duty patients and patch 11 required an overwrite of this term. 5. Add embedded fragments question and remove other symptoms.

Update January 2009 - patch PXRM*2*12 1. Change combat vet screening requirement to OEF/OIF service based on recent data that these fields are more accurate. 2. Fix problem that active duty patients who did not serve in OEF/OIF have reminder continue to show as due. 3. Refusals of screening must be done after the most recent service separation.

Technical Description:

Baseline Frequency:

Do In Advance Time Frame: Wait until actually DUE
Sex Specific:
Ignore on N/A:
Frequency for Age Range: 99Y - Once for all ages
Match Text:
No Match Text:

Findings:

---- Begin: VA-IRAQ/AFGHAN SERVICE NO (FI(1)=RT(134)) ----------------------
Finding Type: REMINDER TERM
Use in Resolution Logic: OR

Mapped Findings: HF.NO IRAQ/AFGHAN SERVICE
Health Factor Category: IRAQ/AFGHANISTAN

---- End: VA-IRAQ/AFGHAN SERVICE NO ----------------------------------------

---- Begin: VA-IRAQ/AFGHAN PERIOD OF SERVICE (FI(2)=RT(135)) --------------
Finding Type: REMINDER TERM
Use in Patient Cohort Logic: AND
Beginning Date/Time: SEP 11, 2001
Not Found Text: Last Service Separation Date prior to 9/11/01 or missing.

Mapped Findings: CF.VA-SERVICE SEPARATION DATES
Beginning Date/Time: SEP 11, 2001

---- End: VA-IRAQ/AFGHAN PERIOD OF SERVICE ----------------------------------

---- Begin: VA-IRAQ/AFGHAN SERVICE (FI(3)=RT(568012)) -----------------------
Finding Type: REMINDER TERM

Mapped Findings: HF.IRAQ/AFGHAN SERVICE
Health Factor Category: IRAQ/AFGHANISTAN
Beginning Date/Time: 9/11/01

Mapped Findings: CF.VA-OEF SERVICE

Mapped Findings: CF.VA-OIF SERVICE

Mapped Findings: CF.VA-UNKNOWN OEF/OIF SERVICE

---- End: VA-IRAQ/AFGHAN SERVICE ---------------------------------------------

---- Begin: VA-DEPRESSION SCREEN OEF/OIF (FI(4)=RT(948)) -------------------
Finding Type: REMINDER TERM

Mapped Findings: MH.PHQ-2
  MH Scale: 492 - Depression

Mapped Findings: MH.PHQ9
  MH Scale: 419 - PHQ9

Mapped Findings: MH.DOM80
Ending Date/Time: 9/30/07
  MH Scale: 515 - Total

Mapped Findings: MH.DOMG
Ending Date/Time: 9/30/07
  MH Scale: 365 - Total

Mapped Findings: MH.BDI
Ending Date/Time: 9/30/07
  MH Scale: 331 - DEPRESSION SCORE

Mapped Findings: MH.BDI2
Ending Date/Time: 9/30/07
  MH Scale: 332 - Total

Mapped Findings: HF.DEP SCREEN 2 QUESTION POS
Health Factor Category: MENTAL HEALTH
Ending Date/Time: 10/1/08

Mapped Findings: HF.DEP SCREEN 2 QUESTION NEG
Health Factor Category: MENTAL HEALTH
Ending Date/Time: 10/1/08

Mapped Findings: MH.ZUNG
Ending Date/Time: 9/30/07
  MH Scale: 453 - DEPRESSION

Mapped Findings: MH.CRS
Ending Date/Time: 9/30/07
Existing Sample VA Artifacts

MH Scale: 347 - CRS TOTAL

Mapped Findings: HF.PHQ-2 NEGATIVE
Health Factor Category: MENTAL HEALTH
Ending Date/Time: 10/1/08

Mapped Findings: HF.PHQ-2 POSITIVE
Health Factor Category: MENTAL HEALTH
Ending Date/Time: 10/1/08

Mapped Findings: HF.PC DEPRESSION SCREEN NEGATIVE
Health Factor Category: MENTAL HEALTH

Mapped Findings: HF.PC DEPRESSION SCREEN POSITIVE
Health Factor Category: MENTAL HEALTH

Mapped Findings: HF.DEPRESSION ASSESS COMPLETE
Health Factor Category: MENTAL HEALTH

Mapped Findings: TX.VA-DEPRESSION DIAGNOSIS

---- End: VA-DEPRESSION SCREEN OEF/OIF -----------------------------------

---- Begin: VA-COMBAT VET (FI(5)=RT(944)) -------------------------------
Finding Type: REMINDER TERM

Not Found Text: Combat Vet eligible or prior Combat Vet eligibility found.

Update the patient's demographic data as needed.

\-

Mapped Findings: CF.VA-COMBAT VET ELIGIBILITY
Condition: I V="ELIGIBLE"
Condition Case Sensitive: NO

---- End: VA-COMBAT VET --------------------------------------------------

---- Begin: VA-ALCOHOL USE SCREEN (FI(6)=RT(133)) ------------------------
Finding Type: REMINDER TERM

Not Found Text: Screening for at risk alcohol use using the AUDIT-C screening tool should be performed yearly for any patient who has consumed alcohol in the past year. No record of prior screening for alcohol use was found in this patient's record.

\-

Mapped Findings: MH.AUDC
MH Scale: 276 - Total

Mapped Findings: MH.CAGE
Ending Date/Time: 10/1/05

Mapped Findings: HF.NON-DRINKER (NO ALCOHOL FOR >1 YR)
Existing Sample VA Artifacts

Health Factor Category: ALCOHOL USE
Ending Date/Time: 10/1/08

Mapped Findings: MH.AUDIT
Ending Date/Time: 10/1/07
  MH Scale: 278 - AUDIT

Mapped Findings: HF.ETOH-ALCOHOL USE PAST 12 MOS (NO)

Health Factor Category: CAGE QUEST
Ending Date/Time: 3/1/09

---- End: VA-ALCOHOL USE SCREEN ------------------------------------------

---- Begin: VA-PTSD SCREEN (FI(7)=RT(568013)) ----------------------------
Finding Type: REMINDER TERM

Mapped Findings: HF.PTSD SCREEN NEGATIVE
Health Factor Category: MENTAL HEALTH
Ending Date/Time: 10/1/08

Mapped Findings: HF.PTSD SCREEN POSITIVE
Health Factor Category: MENTAL HEALTH
Ending Date/Time: 10/1/08

Mapped Findings: MH.PC PTSD
  MH Scale: 203 - PC PTSD Total

Mapped Findings: TX.VA-PTSD DIAGNOSIS

---- End: VA-PTSD SCREEN -------------------------------------------------

---- Begin: VA-UNEXPLAINED FEVER (IRAQ/AFGHANISTAN) (FI(8)=RT(568015)) ---
Finding Type: REMINDER TERM
Not Found Text: Screen for unexplained fevers that might represent occult malaria or infection with leishmaniasis.

Mapped Findings: HF.UNEXPLAINED FEVERS SCREEN NEGATIVE
Health Factor Category: IRAQ/AFGHANISTAN

Mapped Findings: HF.UNEXPLAINED FEVERS SCREEN POSITIVE
Health Factor Category: IRAQ/AFGHANISTAN

---- End: VA-UNEXPLAINED FEVER (IRAQ/AFGHANISTAN) ------------------------

---- Begin: VA-EMBEDDED FRAGMENTS (IRAQ/AFGHANISTAN) (FI(9)=RT(947)) -----
Finding Type: REMINDER TERM

Mapped Findings: HF.EMBEDDED FRAGMENTS PRESENT
Health Factor Category: IRAQ/AFGHANISTAN

Mapped Findings: HF.NO EMBEDDED FRAGMENTS
Health Factor Category: IRAQ/AFGHANISTAN
Existing Sample VA Artifacts

--- End: VA-EMBEDDED FRAGMENTS (IRAQ/AFGHANISTAN) --------------------------

--- Begin: VA-GI SYMPTOMS (IRAQ/AFGHANISTAN) (FI(10)=RT(568014)) -------
Finding Type: REMINDER TERM
Not Found Text: Screen for diarrhea or other GI complaints that might suggest giardia, amoebiasis or other GI infection.

\[
\]

Mapped Findings: HF.GI SYMPTOMS SCREEN NEGATIVE
Health Factor Category: IRAQ/AFGHANISTAN

Mapped Findings: HF.GI SYMPTOMS SCREEN POSITIVE
Health Factor Category: IRAQ/AFGHANISTAN

--- End: VA-GI SYMPTOMS (IRAQ/AFGHANISTAN) ------------------------------

--- Begin: VA-PERSISTENT RASH (IRAQ/AFGHANISTAN) (FI(11)=RT(568016)) ----
Finding Type: REMINDER TERM
Not Found Text: Screen for persistent rash that might represent infection with leishmaniasis.

\[
\]

Mapped Findings: HF.SKIN LESION SCREEN NEGATIVE
Health Factor Category: IRAQ/AFGHANISTAN

Mapped Findings: HF.SKIN LESION SCREEN POSITIVE
Health Factor Category: IRAQ/AFGHANISTAN

--- End: VA-PERSISTENT RASH (IRAQ/AFGHANISTAN) --------------------------

--- Begin: VA-PTSD AVOIDANCE ALL (FI(12)=RT(617)) -----------------------
Finding Type: REMINDER TERM
Within Category Rank: 0

  Mapped Findings: HF.PTSD SCREEN - AVOIDANCE
  Health Factor Category: PTSD AVOIDANCE
  Ending Date/Time: 10/1/08

  Mapped Findings: HF.PTSD SCREEN - NO AVOIDANCE
  Health Factor Category: PTSD AVOIDANCE
  Ending Date/Time: 10/1/08

--- End: VA-PTSD AVOIDANCE ALL ------------------------------------------

--- Begin: VA-PTSD DETACHMENT ALL (FI(13)=RT(620)) ----------------------
Finding Type: REMINDER TERM
Within Category Rank: 0

  Mapped Findings: HF.PTSD SCREEN - DETACHED
  Health Factor Category: PTSD DETACHMENT
  Ending Date/Time: 10/1/08

  Mapped Findings: HF.PTSD SCREEN - NO DETACHMENT
  Health Factor Category: PTSD DETACHMENT
Existing Sample VA Artifacts

Ending Date/Time: 10/1/08

---- End: VA-PTSD DETACHMENT ALL -----------------------------------------

---- Begin: VA-PTSD NIGHTMARES ALL (FI(14)=RT(618)) ----------------------
Finding Type: REMINDER TERM
Within Category Rank: 0

  Mapped Findings: HF.PTSD SCREEN - NIGHTMARES
  Health Factor Category: PTSD NIGHTMARES
  Ending Date/Time: 10/1/08

  Mapped Findings: HF.PTSD SCREEN - NO NIGHTMARES
  Health Factor Category: PTSD NIGHTMARES
  Ending Date/Time: 10/1/08

---- End: VA-PTSD NIGHTMARES ALL -----------------------------------------

---- Begin: VA-PTSD ON GUARD ALL (FI(15)=RT(619)) ------------------------
Finding Type: REMINDER TERM
Within Category Rank: 0

  Mapped Findings: HF.PTSD SCREEN - ON GUARD
  Health Factor Category: PTSD ON GUARD
  Ending Date/Time: 10/1/08

  Mapped Findings: HF.PTSD SCREEN - NO ON GUARD
  Health Factor Category: PTSD ON GUARD
  Ending Date/Time: 10/1/08

---- End: VA-PTSD ON GUARD ALL -------------------------------------------

---- Begin: VA-REFUSED PTSD SCREEN (FI(16)=RT(631)) ----------------------
Finding Type: REMINDER TERM
Found Text: Refused PTSD Screen

  Mapped Findings: HF.REFUSED PTSD SCREEN
  Health Factor Category: MENTAL HEALTH

---- End: VA-REFUSED PTSD SCREEN -----------------------------------------

---- Begin: VA-REFUSED ALCOHOL SCREENING (FI(17)=RT(568018)) -------------
Finding Type: REMINDER TERM
Found Text: Refused Alcohol Screening

  Mapped Findings: HF.REFUSED ALCOHOL USE SCREENING
  Health Factor Category: ALCOHOL USE

---- End: VA-REFUSED ALCOHOL SCREENING -----------------------------------

---- Begin: VA-REFUSED DEPRESSION SCREENING (FI(18)=RT(81)) --------------
Finding Type: REMINDER TERM
Found Text: Refused Depression Screening

  Mapped Findings: HF.REFUSED DEPRESSION SCREENING
  Health Factor Category: MENTAL HEALTH

  Mapped Findings: HF.PHQ-2 REFUSED

19
Existing Sample VA Artifacts

Health Factor Category: DEPRESSION SCREEN  
Within Category Rank: 0

---- End: VA-REFUSED DEPRESSION SCREENING ---------------------------------

---- Begin: VA-ACTIVE DUTY (FI(19)=RT(568019)) ---------------------------
Finding Type: REMINDER TERM  
Use in Patient Cohort Logic: OR  
RT Mapped Finding: No Reminder Finding Found

---- End: VA-ACTIVE DUTY -------------------------------------------------

---- Begin: VA-REFUSED ID & OTHER SX SCREEN (FI(20)=RT(568020)) ----------
Finding Type: REMINDER TERM  
Beginning Date/Time: T-1Y  
Within Category Rank: 0

Found Text: The patient declined to answer some or all of the infectious disease and other symptom questions. Please ask these screening questions again if they remain unaddressed.

Mapped Findings: HF.REFUSED ID & OTHER SX SCREEN  
Health Factor Category: IRAQ/AFGHANISTAN

---- End: VA-REFUSED ID & OTHER SX SCREEN --------------------------------

---- Begin: VA-COGNITIVE IMPAIRMENT (FI(21)=RT(806)) ---------------------
Finding Type: REMINDER TERM  
Beginning Date/Time: T-2Y

Mapped Findings: HF.SEVERE CHRONIC COGNITIVE IMPAIRMENT  
Health Factor Category: MENTAL HEALTH

---- End: VA-COGNITIVE IMPAIRMENT ----------------------------------------

---- Begin: VA-OEF/OIF SCREEN DONE ELSEWHERE (FI(22)=RT(945)) ------------
Finding Type: REMINDER TERM

Mapped Findings: HF.OEF/OIF SCREEN COMPLETED OUTSIDE  
Health Factor Category: IRAQ/AFGHANISTAN

---- End: VA-OEF/OIF SCREEN DONE ELSEWHERE -------------------------------

---- Begin: VA-OTHER SYMPTOMS (IRAQ/AFGHANISTAN) (FI(23)=RT(568017)) -----  
Finding Type: REMINDER TERM

Mapped Findings: HF.OTHER PHYSICAL SYMPTOMS SCREEN NEGATIVE  
Health Factor Category: IRAQ/AFGHANISTAN

Mapped Findings: HF.OTHER PHYSICAL SYMPTOMS SCREEN POSITIVE  
Health Factor Category: IRAQ/AFGHANISTAN

---- End: VA-OTHER SYMPTOMS (IRAQ/AFGHANISTAN) --------------------------

Function Findings:

20
---- Begin: FF(1)--------------------------------------------------------------------------

  Function String: MRD(1)>MRD(2)

  Expanded Function String:
  MRD(VA-IRAQ/AFGHAN SERVICE NO)>MRD(VA-IRAQ/AFGHAN PERIOD OF SERVICE)

---- End: FF(1) --------------------------------------------------------------------------

---- Begin: FF(2)--------------------------------------------------------------------------

  Function String:
  MRD(7,12,13,14,15)>MRD(2)!(DIFF_DATE(7,2)<120)!(DIFF_DATE(12,2)<120)

  Expanded Function String:
  MRD(VA-PTSD SCREEN,VA-PTSD AVOIDANCE ALL,VA-PTSD DETACHMENT ALL,
  VA-PTSD NIGHTMARES ALL,VA-PTSD ON GUARD ALL)>MRD(
  VA-IRAQ/AFGHAN PERIOD OF SERVICE)!(DIFF_DATE(VA-PTSD SCREEN,
  VA-IRAQ/AFGHAN PERIOD OF SERVICE)<120)!(DIFF_DATE(VA-PTSD AVOIDANCE ALL,
  VA-IRAQ/AFGHAN PERIOD OF SERVICE)<120)

  Found Text: 1. PTSD Screening completed since service discharge

  Not Found Text: 1. PTSD Screening NEEDED

---- End: FF(2) --------------------------------------------------------------------------

---- Begin: FF(3)--------------------------------------------------------------------------

  Function String: MRD(4)>MRD(2)!(DIFF_DATE(4,2)<120)

  Expanded Function String:
  MRD(VA-DEPRESSION SCREEN OEF/OIF)>MRD(VA-IRAQ/AFGHAN PERIOD OF SERVICE)!
  (DIFF_DATE(VA-DEPRESSION SCREEN OEF/OIF,
  VA-IRAQ/AFGHAN PERIOD OF SERVICE)<120)

  Found Text: 2. Depression Screening completed since service discharge

  Not Found Text: 2. Depression Screening NEEDED

---- End: FF(3) --------------------------------------------------------------------------

---- Begin: FF(4)--------------------------------------------------------------------------

  Function String: MRD(6)>MRD(2)!(DIFF_DATE(6,2)<120)

  Expanded Function String:
  MRD(VA-ALCOHOL USE SCREEN)>MRD(VA-IRAQ/AFGHAN PERIOD OF SERVICE)!
  (DIFF_DATE(VA-ALCOHOL USE SCREEN,VA-IRAQ/AFGHAN PERIOD OF SERVICE)<120)

  Found Text: 3. Alcohol Screening completed since service discharge

  Not Found Text: 3. Alcohol Screening NEEDED

---- End: FF(4) --------------------------------------------------------------------------

---- Begin: FF(5)--------------------------------------------------------------------------

  Function String:
  MRD(10,20)>MRD(2)'!(FI(2)!FI(19))!(DIFF_DATE(10,2)<120)!(DIFF_DATE(20,2)<120)

  Expanded Function String:
  MRD(VA-GI SYMPTOMS (IRAQ/AFGHANISTAN),VA-REFUSED ID & OTHER SX SCREEN)>MRD(
  VA-IRAQ/AFGHAN PERIOD OF SERVICE)'!(FI(
  VA-IRAQ/AFGHAN PERIOD OF SERVICE)!FI(VA-ACTIVE DUTY))!(DIFF_DATE(
  VA-GI SYMPTOMS (IRAQ/AFGHANISTAN),VA-IRAQ/AFGHAN PERIOD OF SERVICE)<120)
  !(DIFF_DATE(VA-REFUSED ID & OTHER SX SCREEN,
  VA-IRAQ/AFGHAN PERIOD OF SERVICE)<120)

  Found Text: 4A. Screen for GI symptoms done or not required.

  Not Found Text: 4A. Screen for GI symptoms NEEDED

---- End: FF(5) --------------------------------------------------------------------------
Existing Sample VA Artifacts

---- Begin: FF(6)---------------------------------------------------------------

Function String:
MRD(8, 20) > MRD(2)! (FI(2)! FI(19)) !(DIFF_DATE(8, 2) < 120) ! (DIFF_DATE(20, 2) < 120)
Expanded Function String:
MRD(VA-UNEXPLAINED FEVER (IRAQ/AFGHANISTAN),
VA-REFUSED ID & OTHER SX SCREEN) > MRD(VA-IRAQ/AFGHAN PERIOD OF SERVICE)!
(FI(VA-IRAQ/AFGHAN PERIOD OF SERVICE)!FI(VA-ACTIVE DUTY)) !(DIFF_DATE(
VA-UNEXPLAINED FEVER (IRAQ/AFGHANISTAN),
VA-IRAQ/AFGHAN PERIOD OF SERVICE) < 120) ! (DIFF_DATE(
VA-REFUSED ID & OTHER SX SCREEN, VA-IRAQ/AFGHAN PERIOD OF SERVICE) < 120)

Found Text: 4B. Screen for Fevers done or not required.
Not Found Text: 4B. Screen for Fevers NEEDED

---- End: FF(6)---------------------------------------------------------------

---- Begin: FF(7)---------------------------------------------------------------

Function String:
MRD(11, 20) > MRD(2)! (FI(2)! FI(19)) !(DIFF_DATE(11, 2) < 120) ! (DIFF_DATE(20, 2) < 120)
Expanded Function String:
MRD(VA-PERSISTENT RASH (IRAQ/AFGHANISTAN),
VA-REFUSED ID & OTHER SX SCREEN) > MRD(VA-IRAQ/AFGHAN PERIOD OF SERVICE)!
(FI(VA-IRAQ/AFGHAN PERIOD OF SERVICE)!FI(VA-ACTIVE DUTY)) !(DIFF_DATE(
VA-PERSISTENT RASH (IRAQ/AFGHANISTAN), VA-IRAQ/AFGHAN PERIOD OF SERVICE) <
120) ! (DIFF_DATE(VA-REFUSED ID & OTHER SX SCREEN,
VA-IRAQ/AFGHAN PERIOD OF SERVICE) < 120)

Found Text: 4C. Screen for Skin Rash done or not required.
Not Found Text: 4C. Screen for Skin Rash NEEDED

---- End: FF(7)---------------------------------------------------------------

---- Begin: FF(8)---------------------------------------------------------------

Function String: MRD(9, 20) > MRD(2)! (FI(2)! FI(19))
Expanded Function String:
MRD(VA-EMBEDDED FRAGMENTS (IRAQ/AFGHANISTAN),
VA-REFUSED ID & OTHER SX SCREEN) > MRD(VA-IRAQ/AFGHAN PERIOD OF SERVICE)!
(FI(VA-IRAQ/AFGHAN PERIOD OF SERVICE)!FI(VA-ACTIVE DUTY))

Found Text: 4D. Screen for Embedded Fragments done or not required.
Not Found Text: 4D. Screen for Embedded Fragments NEEDED

---- End: FF(8)---------------------------------------------------------------

---- Begin: FF(9)---------------------------------------------------------------

Function String: MRD(2) > MRD(1, 8, 10, 11, 22)
Expanded Function String:
MRD(VA-IRAQ/AFGHAN PERIOD OF SERVICE) > MRD(VA-IRAQ/AFGHAN SERVICE NO,
VA-UNEXPLAINED FEVER (IRAQ/AFGHANISTAN),
VA-GI SYMPTOMS (IRAQ/AFGHANISTAN), VA-PERSISTENT RASH (IRAQ/AFGHANISTAN),
VA-OEF/OIF SCREEN DONE ELSEWHERE)

Found Text: The patient's most recent service separation date is more recent than their last screening - rescreening is needed after any new period of service.

---- End: FF(9)---------------------------------------------------------------

22
General Patient Cohort Found Text:

Patients who served in combat in either Iraq (Operation Iraqi Freedom) or in Afghanistan (Operation Enduring Freedom) should be screened for illnesses related to their service. Screening for PTSD, depression, problem alcohol use, infectious diseases, and chronic symptoms should be part of the initial evaluation of these Veterans.

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

\(((FI(2)!FI(19))!FF(1))!(FI(3)&FF(20))&FI(21)\)

Expanded Patient Cohort Logic:

\(((FI(VA-IRAQ/AFGHAN PERIOD OF SERVICE)!FI(VA-ACTIVE DUTY))!FF(1))! (FI(VA-IRAQ/AFGHAN SERVICE)&FF(20))&FI(VA-COGNITIVE IMPAIRMENT)\)

Customized RESOLUTION LOGIC defines findings that resolve the Reminder:

\(((FI(16)&FF(16))!(FI(16)!FI(7))!(FI(12)&FI(13)&FI(14)&FI(15)))!(FI(17)&FI(18)))! ((FI(18)&FF(18))&FI(11))! (FI(22))! (FI(20)!FI(5))! (FI(5)&FI(10)&FF(6)&FI(8)&FF(7)&FI(11))! (FI(22)&FF(10))\)
Expanded Resolution Logic:
\((\text{FI}(\text{VA-REFUSED PTSD SCREEN}) \& \text{FF}(16)) \& (\text{FI}(\text{VA-REFUSED PTSD SCREEN}) \& \text{FI}(\text{VA-PTSD SCREEN}) \& (\text{FI}(\text{VA-PTSD AVOIDANCE ALL}) \& \text{FI}(\text{VA-PTSD DETACHMENT ALL}) \& \text{FI}(\text{VA-PTSD NIGHTMARES ALL}) \& \text{FI}(\text{VA-PTSD ON GUARD ALL}))))) \& (((\text{FF}(3) \& \text{FI}(\text{VA-DEPRESSION SCREEN OEF/OIF})) \& (\text{FI}(\text{VA-REFUSED DEPRESSION SCREENING}) \& \text{FF}(18))) \& (((\text{FF}(4) \& \text{FI}(\text{VA-ALCOHOL USE SCREEN}) \& (\text{FI}(\text{VA-REFUSED ALCOHOL SCREENING}) \& \text{FF}(17))) \& ((\text{FI}(\text{VA-REFUSED ID & OTHER SX SCREEN}) \& \text{FF}(5))) \& (\text{FI}(\text{VA-REFUSED ID & OTHER SX SCREEN}) \& \text{FF}(5)) \& (\text{FI}(\text{VA-REFUSED ID & OTHER SX SCREEN}) \& \text{FF}(5)) \& (\text{FI}(\text{VA-REFUSED ID & OTHER SX SCREEN}) \& \text{FF}(5))))) \& (\text{FI}(\text{VA-OEF/OIF SCREEN DONE ELSEWHERE}) \& \text{FF}(10))

Web Sites:

Web Site URL:   http://www.oqp.med.va.gov/cpg/cpg.htm
Web Site Title: VA/DOD Guidelines - Office of Quality and Performance
Description:

Web Site URL:   http://www.oqp.med.va.gov/cpg/MDD/MDD_Base.htm
Web Site Title: VA/DOD Depression Guideline
Description:

Web Site URL:   http://www.oqp.med.va.gov/cpg/cpgn/mus/mus_base.htm
Web Site Title: VA/DOD Medically Unexplained Symptoms: Pain and Fatigue
Description:

Web Site URL:   http://www.oqp.med.va.gov/cpg/PDH/PDH_base.htm
Web Site Title: Post Deployment Health Evaluation and Management
Description:

Web Site URL:   http://www.oqp.med.va.gov/cpg/SUD/SUD_Base.htm
Web Site Title: VA/DOD Substance Abuse Guideline
Description:

Web Site URL:   http://vaww.va.gov/environagents/
Web Site Title: VA Environmental Agents Service
Description:
Figure A.1. Reminder Dialog Template: Operation Enduring Freedom (OEF)/Operation Iraqi Freedom (OIF) Case Management Screen
Figure A.2. Consult Order: Operation Enduring Freedom (OEF)/Operation Iraqi Freedom (OIF) Outpatient Case Management Program
Figure A.3. Reminder Resolution: Operation Enduring Freedom (OEF)/Operation Iraqi Freedom (OIF) Post-Deployment Screen (image 1 of 3)
Figure A.4. Reminder Resolution: Operation Enduring Freedom (OEF)/Operation Iraqi Freedom (OIF) Post-Deployment Screen (image 2 of 3)
Figure A.5. Reminder Resolution: Operation Enduring Freedom (OEF)/Operation Iraqi Freedom (OIF) Post-Deployment Screen (image 3 of 3)
Figure A.6. Post-Deployment/Transition Consult Note (image 1 of 13)
Figure A.7. Post-Deployment/Transition Consult Note (image 2 of 13)
Figure A.8. Post-Deployment/Transition Consult Note (image 3 of 13)
Figure A.9. Post-Deployment/Transition Consult Note (image 4 of 13)
Figure A.10. Post-Deployment/Transition Consult Note (image 5 of 13)
Figure A.11. Post-Deployment/Transition Consult Note (image 6 of 13)
Figure A.12. Post-Deployment/Transition Consult Note (image 7 of 13)
Figure A.13. Post-Deployment/Transition Consult Note (image 8 of 13)
Figure A.14. Post-Deployment/Transition Consult Note (image 8 of 13)
Figure A.15. Post-Deployment/Transition Consult Note (image 9 of 13)
Figure A.16. Post-Deployment/Transition Consult Note (image 10 of 13)
Figure A.17. Post-Deployment/Transition Consult Note (image 11 of 13)
Figure A.18. Post-Deployment/Transition Consult Note (image 12 of 13)
Figure A.19. Post-Deployment/Transition Consult Note (image 13 of 13)
Appendix B. Logic Diagrams

Figure B.1. Iraqi & Afghanistan Post-Deployment Event Condition Action (ECA) Rules
Appendix C. Basic Laboratory Panel Definition

- Blood Urea Nitrogen
- Calcium
- Chloride
- CO2 (Carbon Dioxide, Bicarbonate)
- Creatinine
- Glucose
- Potassium
- Sodium
## Acronyms

<table>
<thead>
<tr>
<th>Acronym</th>
<th>Description</th>
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<tr>
<td>CCWP</td>
<td>Clinical Content White Paper</td>
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<tr>
<td>CDS</td>
<td>Clinical Decision Support</td>
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<tr>
<td>CO2</td>
<td>Carbon Dioxide</td>
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<td>DoD</td>
<td>Department of Defense</td>
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<td>Primary Care Provider</td>
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<td>PDH-CPG</td>
<td>Post-Deployment Health Clinical Practice Guideline</td>
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<td>Post-Traumatic Stress Disorder</td>
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<td>Subject Matter Expert</td>
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<td>Serious Mental Illness Treatment Resource and Evaluation Center</td>
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<tr>
<td>TO</td>
<td>Task Order</td>
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<tr>
<td>VA</td>
<td>Department of Veterans Affairs</td>
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<td>VACO</td>
<td>VA Central Office</td>
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<tr>
<td>VAMC</td>
<td>VA Medical Center</td>
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