Traumatic Brain Injury Registry (TBI)

Release Notes

Increment 5.0
Version 4.0
June 2012

Revision History

Version	Date	Description	Project Manager	Author
4.1	5/7/2014	Updated for Increment 5 Release	John Sanders	K. Jocius
4.0	6/23/2012	Reviewed and formatted	John Sanders	Dan Zaudtke
3.0	4/26/2012	Added Tracker 1524 and 1555 to the list of enhancements.	John Sanders	Scott Smith
2.0	4/26/2012	Updated the related user manual documents.	John Sanders	Scott Smith
1.0	4/18/2012	Create Initial Draft Release Notes document	John Sanders	Scott Smith

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1. Introduction

The Presidential Task Force on Returning Global War on Terror Heroes, as stated in the Global War on Terror report (recommendation P-3) and Public Law 110-181 National Defense Authorization Act 2008 TBI Section 1704 created the requirement for the Traumatic Brain Injury (TBI) Registry. This registry promotes the delivery of quality care by ensuring Operation Enduring Freedom/Operation Iraqi Freedom (OEF/OIF) Veterans are screened for these injuries and that they receive timely follow up evaluations and ongoing treatment.

This release addresses Increment 1 of the Converged Registries Solution (CRS) Enhancements business requirements to expand the current TBI Registry capabilities. Refer to section 2.1 below for these enhancements.

1.1 Purpose

The purpose of this document is to identify and describe the changes in the TBI Registry software being deployed to the Converged Registries Solution (CRS) operational environment. It summarizes the features being added to or changed from the INCR 4 release of June 2012.

The purpose of the TBI Registry is to facilitate screening, provide comprehensive follow up evaluations to positive screens, and to administer care to the current 615,000 and all future OEF, OIF and Operation New Dawn (OND) veterans through the use of TBI assessment tools, instruments and tracking modules.

1.2 Scope

The scope of this release includes fixes for the defects encountered by the TBI Business Owner during UAT of the TBI above listed enhancements which were deployed to Production on 4/29/2014. Specifically, this release includes the following Work Items:

- **44729: TBI Instruments - Update CPRS Note Formatting**
    - 36902: Update Functional Mobility Assessment Instrument Note Text formatting
    - 36796: DEF-UAT - LCI-5 - Both sub-scores listed as 'Basic Activities' in submit Note
    - 37292: DEF - UAT - Only number the actual numbered questions
    - 37290: DEF - UAT - QUEST - Note is printed with 'TechDev' prior to Technology device
    - 37280: DEF - UAT - LCI - Activities numbers (Basic, Advanced) in the Submit Note page should be changed
    - 37297: DEF - UAT QUEST - Responses are shown as duplicate numbers (3:3), should be number + verbiage
    - 39279: DEF - Showing Rating Priority in Submit Note even not selected in the prior page
    - 44611: DEF- VA LV VFQ- 'TYP' appears to be a data element name that snuck into the note. Just need 'Type of Submission'

- o 44616: DEF-TBI- VA LV VFQ- "Program type" should not be numbered on the notes page
- o 44622: DEF- VA LV VFQ- "Average Baseline score", "Average Follow-up score" and "Over all Change score" should not be numbered on the notes page
- o 44623: DEF- TBI- NSI--Statement is only showing on instrument and not on note
- o 44624: DEF- UAT- TBI- NSI -- Consistency issue on how the note displays
- o 44686: TBI- Requirements Change-- Move the scores of all instrument to the top of the page
- **44730: TBI Instruments - Increment 1 Defects**
  - o 36797: DEF-UAT- Two Minute Walk Test - Assistive device Used/Braces Used is a required fields
  - o 36795: DEF- UAT - L-Test - Not clearing the prior selections for "Lower extremity amputation", "Assistive Devices"
  - o 36396: DEF-UAT - Functional Mobility Assessment - If User selects disagree - comments should be required
  - o 36939: 2 Minute Walk Test - Add References
  - o 36937: DEF-UAT - L-Test - No Link to Instructions.
  - o 37123: DEF - UAT - VA LV VFQ - System not calculating average score properly
  - o 37191: DEF - 2 minute Walk Instrument - With out date system accepting trial
  - o 37291: UAT - DEF - QUEST - Subscale and total scores should use a decimal (i.e. - 3.55 and not simply '4')
  - o 39300: DEF- 2-Minute walk test --"Assistive Device and/or Brace Used " field should show message as it is a required field
  - o 39308: DEF- 2-Minute walk test --"Distance ambulated in 2 minutes" edit box should only accept number if it has any other value user should be notified as it is an invalid value
  - o 39309: DEF- 2-Minute walk test --"Average Distance" value is not displaying the decimal values
  - o 39361: DEF-QUEST- Date field should be a required field.
  - o 39377: DEF - UAT - TBI - Statement as a footnote immediately following any of the instruments
  - o 39378: DEF - UAT - TBI - Conditions on instruments – add this selection as 'Diagnosis' at the beginning of each form
- **44731: TBI Instruments - Increment 1 Database Defects**
  - o 36953: DEF-UAT - PGIC - Update Question and Choices
  - o 36952: DEF-UAT - 2 Minute Walk Test - Update Question and Choices
  - o 36951: DEF-UAT - L-Test - Update Question and Choices
  - o 36950: DEF-UAT - SWL - Update Question and Choices
  - o 36949: DEF-UAT - LCI v2 - Update Question Text
  - o 36948: DEF-UAT - FMA - Update Question Text and remove formatting.

- o 36947: DEF-UAT - DRS - Update Question and Choices
- o 36943: DEF-UAT - Correct 2 Minute Walk Test Questions and Choices Text
- o 36331: DEF - UAT - TBI Instrument - LCI V2 - Some text is missing in the Advanced activities section
- o 35851: DEF - TBI Instruments - Disability Rating Scale - Text should be in small letters and " :" should be removed
- o 35846: DEF - TBI Instrument - Disability Rating - Text Change
- o 35845: DEF - TBI Instrument - Disability Rating Scale - No need to display Sensory Stimulation
- o 37293: DEF- UAT - Title displays as 'LA LV VFQ-20'
- o 37278: DEF - TBI Instruments - SWLS - Update Survey Type Name and Description
- o 37274: DEF - TBI Instruments - PGIC - Update Survey Type Name and Description
- o 37263: DEF - TBI Instruments - FMA - Update Survey Type Name and Description
- o 37277: DEF - TBI Instruments - SRS - Update Survey Type Name and Description
- o 37260: DEF - TBI Instruments - BBS - Update Survey Type Name and Description
- o 37267: DEF - TBI Instruments - MRLCI - Update Survey Type Name and Description
- o 37272: DEF - TBI Instruments - NSI - Update Survey Type Name and Description
- o 37276: DEF - TBI Instruments - QUEST - Update Survey Type Name and Description
- o 37261: DEF - TBI Instruments - DRS - Update Survey Type Name and Description
- o 37270: DEF - TBI Instruments - MRTMW - Update Survey Type Name and Description
- o 37279: DEF - TBI Instruments - VALVVFS - Update Survey Type Name and Description
- o 37269: DEF - TBI Instruments - MRL - Update Survey Type Name and Description
- o 36333: DEF- UAT- 2minute walk test - Typo for word Ambulated
- o 44629: DEF- UAT- TBI- FMA- List of "Current means of mobility device" is not consistent with the expected list

- **44740: TBI Instruments - Increment 1 Enhancements**
  - o 37259: UAT - Enhancement - PGIC - Text change for Question-3 PGIC Instrument
  - o 37283: UAT - Enhancement - FMA - Make priority ratings optional
  - o 37282: UAT - Enhancement - FMA - Make comments optional regardless of radio button selection
  - o 44337: UAT - TBI - Change auto-save to be 5 minutes.
  - o 44701: UAT - Enhancement - QUEST - Change Assistive Device question to free text

- **44741: TBI Instruments - Increment 1 Database Enhancements**
  - o 36908: Update Functional Mobility Assessment Database Script

- o 37289: UAT - Enhancement - FMA - What is your current means of mobility device options needs to change
- **37620: Refactor TBI Instrument registration and usage**
- **36569: DEF - UAT - Days from onset calculation**

1.3 Related Documents

- TBI Installation Guide for Increment 5, Version 4.1, May 2014
- TBI Instruments User Manual for Increment 5, Version 4.1, May 2014
- TBI Polytrauma User Manual, Version 4.1, May 2014
- TBI Application User Manual, Version 1.3, May 2014
- TBI System Management Guide, Version 4.1, May 2014
- HREG TBI Requirements Specification Document (RSD): http://tspr.vista.med.va.gov/warboard/ProjectDocs/TBI_Registry/HREG_TBI_RSD_INC5_2 01312.pdf
- HREG TBI System Design Document (SDD): http://tspr.vista.med.va.gov/warboard/ProjectDocs/TBI_Registry/TBI_System_Design_Docu ment_Increment_4_2.doc

1.4 *Acronyms and Definitions*

Acronym	Description
CPRS	Computerized Patient Record System
CRS	Converged Registries Solution
DEF	Defect
INCR	Increment
MDWS	Medical Data Web Service
OEF/OIF	Operation Enduring Freedom/Operation Iraqi Freedom
OND	Operation New Dawn
TBI	Traumatic Brain Injury
UAT	User Acceptance Test
VA	Veterans Affairs
VHA	Veterans Health Administration
VistA	Veterans Health Information Systems and Technology Architecture

2 User Release Notes

2.1 TBI Registry INCR 5

This release addresses Increment 1 of the Converged Registries Solution (CRS) Enhancements business requirements to expand the current TBI Registry capability. It specifically:

1) Expands the CRS Database to add up to 30 TBI clinical templates/instruments and have them be accessible to designated end users via extracts of all data elements.

Have them be placed in formatted tables in a manner that permits expansion of existing (current) cube-based and aggregate reporting.

2) Expands the TBI Polytrauma Tracking Application user interfaces to include additional injuries and fields representing clinical outcomes and demographics of interest for the additional cohorts treated through Rehabilitation and Prosthetic Services disciplines (i.e., Amputation System of Care, Blind Rehabilitation System of Care, etc.).

3) Enhances the TBI Instruments package for the Veterans Health Information Systems and Technology Architecture (VistA) interface by improving connectivity with Medical Domain Web Services (MDWS) to streamline Consult Resolution, User Identification and co-signer assignment, appearance of Text Integration Utility (TIU) Notes in Computerized Patient Record System (CPRS), and by decreasing response time between screen transitions to enhance the overall user experience and accommodate the additional clinical templates/instruments/data fields.

4) Enhance the TBI Instruments to improve responsiveness and eliminate all data loss scenarios.

5) Enhance the Polytrauma Reporting to accommodate additional program groupings and fields, and to catalog multiple entries per patient.

2.2 Functional Performance

There are no functional performance requirements for this increment.

3 Technical Release Notes

3.1 Data Dictionary Changes

There are no data dictionary changes for this increment.