

Department of Veterans Affairs

Traumatic Brain Injury (TBI) Clinical Decision Support (CDS) System Version 1.0

Contingency Plan/Deployment Setup Plan



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Revision History

Date	Version	Description	Author
April 2015	1	Initial Contingency/Setup Plan	Marisol Smith

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1. Introduction

The Traumatic Brain Injury (TBI) Clinical Decision Support (CDS) System is a web-based application that will be used to aid TBI providers in treatment of Veterans. The TBI CDS system communicates with VistA/CPRS through MDWS. The application is powered by an Oracle database and uses a Logic Component to process the instruments completed by users.

1.1. Purpose

The purpose of this Contingency/Deployment Test Plan for the TBI CDS System is to provide a set of test cases for the testing of the application after an outage or a new deployment to ensure the system is communicating correctly with the Oracle database, MDWS and the Logic Component.

1.2. Test Objectives

This Contingency/Deployment Test Plan supports the following objectives:

- To confirm TBI CDS system is communicating with VistA/CPRS through MDWS after having been down or when initially set up
- To confirm TBI CDS system is interacting correctly with the Logic Component and the Oracle database after having been down or when initially set up.

2. Items to Be Tested

The TBI CDS application general functionalities.

2.1. Overview of Test Inclusions

The following components, features and combinations of components and features will be tested:

1. User Login – Verifies connectivity to MDWS/Database
2. Patient Lookup- Verifies connectivity to MDWS/Database
3. Write a note – Verifies connectivity to MDWS/Database (read/write)
4. Complete instrument that gets scored – Verifies Logic Component

2.2. Overview of Test Exclusions

The following components, features and combinations of components and features will not be tested:

1. Individual fields and other functionalities that are part of the application but do not contribute any additional information as to whether the application has been set up correctly.

3. Test Approach

3.1. Test Procedures

Users will be able to follow the Setup Test Cases Script in the Excel spreadsheet 'TBI CDS Contingency Deployment Test Cases'. Test Cases (TC) are listed with individual steps and the expected results for each step. Users have a field in which they can mark Pass or Fail for each expected result to indicate whether the application is meeting their needs. Users will need to have CPRS credentials and a patient on CPRS that can be used for testing so that they will be able to complete an instrument and send a note.