

Traumatic Brain Injury (TBI)

Instruments User Manual



Version 5.8

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Product Development

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Revision History

Date	Version	Description	Author
3/16/2018	5.8	Added Rehabilitation and Reintegration Care Plan Report, All Patient Treatment Phase Outcome Report, and Patient Trend and Outcomes Report.	J. Reese Mike Heath
11/24/2017	5.7	Updated document with new screens for PROMIS, PGIC, Optimal, Optimal Followup, and Rehab Follow Up. Updated other screens as appropriate.	J. Reese
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1. Preface

1.1. Typographical Conventions Used in the Manual

Throughout this document, the following fonts and other conventions are used:

Table 1 – Typographical Conventions

Font	Used for...	Examples:
Blue text, underlined	Hyperlink to another document or URL	ftp://fo-slc.med.va.gov
Green text, dotted underlining	Hyperlink within this document	See Release History for details.
Courier New	Patch names, VistA filenames	Patch names will be in this font
Franklin Gothic Demi	Keyboard keys Web application panel, pane, tab, and button names	< F1 >, < Alt >, < L > Other Registries panel [Delete] button
Microsoft Sans Serif	Software Application names	Traumatic Brain Injury (TBI)
Microsoft Sans Serif bold	Registry names	TBI
	Database field names	Mode field
	Report names	National Summary Report
	Organization and Agency Names	DoD, VA
Microsoft Sans Serif, 50% gray and italics	Read-only fields	<i>Procedures</i>
Times New Roman	Normal text	Information of particular interest
Times New Roman Italic	Text emphasis	“It is <i>very</i> important . . .”
	National and International Standard names	<i>International Statistical Classification of Diseases and Related Health Problems</i>
	Document names	<i>Traumatic Brain Injury (TBI) Registry User Manual</i>

Table 2 – Graphical Conventions

Graphic	Used for...
	Information of particular interest regarding the current subject matter.
	A tip or additional information that may be helpful to the user.
	A warning concerning the current subject matter.
	Information about the history of a function or operation; provided for reference only.
OPTIONAL	Indicates an action or process which is optional
RESOURCE	Indicates a resource available either in this document or elsewhere

1.2. Command Buttons and Command Icons

Button/Icon	Description
 Save	A command button initiates an action. It is a rectangular “3-dimensional” shape with a label that specifies what action will be performed when the button is clicked.
 Search	Common examples are shown at left. Command buttons that end with three dots indicate that selecting the command may evoke a subsidiary window.
 Save	In some cases, a command icon performs the same function, but appears on the menu bar and has a plain, flat appearance. One example is shown at left.
 Group Titles	In the text of this document, both command button and command icon names appear inside square brackets. Examples: [Search] , [Save] .

2. Background

The Veterans Health Administration (VHA) is charged with supporting the Presidential Task Force on Returning Global War on Terror Heroes. The Task Force has stated in the *Global War on Terror (GWOT)* report (recommendation P-7) that the Department of Veterans Affairs (VA) shall “create a ‘Traumatic Brain Injury’ Surveillance Center and Registry to monitor returning service members who have possibly sustained head injury and thus may potentially have a traumatic brain injury in order to provide early medical intervention.”

The Traumatic Brain Injury (TBI) Registry software applications collect data on the population of Veterans who participated in Operation Enduring Freedom/Operation Iraqi Freedom (OEF/OIF). These individuals need to be seen within 30 days for a comprehensive evaluation. Each facility can produce local reports (information related to patients evaluated and treated in their system).

The TBI Instruments are a set of comprehensive evaluation questionnaires (initial and follow up) designed to provide rehabilitation professionals with a vehicle by which they can assess patients and collect patient information. The information collected from these instruments is electronically transferred and stored in the form of a medical progress note in the patient’s electronic record. This progress note can be retrieved through the Computerized Patient Record System (CPRS).

The set of TBI Instruments include the Comprehensive TBI Evaluation, TBI Follow-Up Assessment, The Mayo-Portland Adaptability Inventory (MPAI), and the Rehabilitation and Reintegration Plan.

2.1. Related Documents

Related documents include:

- TBI System Management Guide
- TBI Application User Manual
- TBI Installation Guide
- TBI Instruments User Manual
- TBI Polytrauma User Manual
- TBI Release Notes

3. Software Details

3.1. Starting the Application

To start TBI Instruments, follow these steps:

1. Log into CPRS
2. On the tool bar, select **Tools > TBI Instruments**.



3. The **TBI Instruments Patient Confirm** page opens. This confirms the patient name and SSN match in the TBI Registry.

3.2. Select Instrument Screen

The **TBI Instruments > Confirm Patient and Select Instrument** screen displays. Confirm the patient name and SSN match in the TBI Registry.

TBI INSTRUMENTS > CONFIRM PATIENT AND SELECT INSTRUMENT

Patient
SAND CLAY

To begin, verify that the patient name above is correct and enter the patient's SSN to confirm the correct patient is selected.
Confirm Patient SSN (##-##-##) *:

Select the instrument that you want to submit:

Instrument Name	Select
2 Minute Walk Test	Select
Berg Balance Scale	Select
COMPREHENSIVE TBI EVALUATION	Select
Disability Rating Scale	Select
Functional Mobility Assessment	Select
Generalized Anxiety Disorder Scale	Select
Insomnia Severity Index	Select
JRC Coma Recovery Scale - Revised	Select
L-Test	Select
Locomotor Capability Index - 5	Select
Mayo-Ponteland Adaptability Inventory-4	Select
MRI-4 PARTICIPATION INDEX (MPI)	Select
Neurobehavioral Symptom Inventory	Select
Optimal 1:1	Select
Optimal 1:1 Follow Up	Select
Oswestry Low Back Pain Disability Questionnaire	Select
Pain Outcomes Questionnaire VA Long Form - Discharge	Select

Figure 1 – View Instruments / Select Instrument

Click one of the View Instruments report buttons or select the appropriate Instrument you want to administer from the list by clicking the [Select] button. [TBI Instrument Association](#)

3.2.1. TBI View Instruments Reports

The **TBI Instruments > View Instrument Reports** displays two buttons ‘View Last Three Instruments’ and ‘View All Instruments’ which link to reports for either the last three instruments on record or all of the instruments on record for that specific patient.

Both Pages offer a Standard Title Bar that can be used to Zoom, Search, Export, Refresh and Print Data from the pages. When on the View Notes Page a left hand arrow <- is enabled which allows the User to go back to the previous page versus the landing page.

The large Back Button on the bottom of the pages always returns the user to the Landing Page in which they will need to re-type the patient’s Social Security Number to search for Instruments once again.

3.2.1.1. TBI View Last Three Instruments Button

The **TBI Instruments > View Last Three Instruments** displays the current patient’s last three TBI Instruments report.

The screenshot shows the 'Traumatic Brain Injury Registry' interface. At the top, there's a navigation bar with the VA logo, 'UNITED STATES DEPARTMENT OF VETERANS AFFAIRS', and 'Traumatic Brain Injury Registry'. Below this is a secondary navigation bar with 'Reporting' and 'Help' links. The main content area has a red header bar with 'TBI INSTRUMENTS > INSTRUMENT ASSOCIATIONS > LAST THREE INSTRUMENTS'. The main body contains a table titled 'Patient' with columns for 'Survey Type', 'Institution Name', 'Date', 'Status', and 'View Notes'. The table lists three entries: '2 Minute Walk Test' at CHEYENNE VAMC on 9/17/2015 (completed), 'Timed Up and Go' at CHEYENNE VAMC on 9/15/2015 (completed), and 'VA Low Vision Visual Functioning (VA LV VFQ 20) Survey' at CHEYENNE VAMC on 9/15/2015 (completed). A toolbar at the bottom includes search, print, and other functions.

Survey Type	Institution Name	Date	Status	View Notes
2 Minute Walk Test	CHEYENNE VAMC	9/17/2015	completed	View Notes
Timed Up and Go	CHEYENNE VAMC	9/15/2015	completed	View Notes
VA Low Vision Visual Functioning (VA LV VFQ 20) Survey	CHEYENNE VAMC	9/15/2015	completed	View Notes

Figure 2 – Last Three Instruments Report

3.2.1.2. TBI View All Instruments Button

The **TBI Instruments > View All Instruments** button displays all the patient's TBI Instruments report.

The screenshot shows the 'Traumatic Brain Injury Registry' interface. At the top, there's a navigation bar with the VA logo, 'UNITED STATES DEPARTMENT OF VETERANS AFFAIRS', and 'Traumatic Brain Injury Registry'. Below this is a secondary navigation bar with 'Reporting' and 'Help' links. The main content area has a red header bar with 'TBI INSTRUMENTS > INSTRUMENT ASSOCIATIONS > ALL INSTRUMENTS'. The main body contains a table titled 'Patient' with columns for 'Survey Type', 'Institution Name', 'Date', 'Status', and 'View Notes'. The table lists ten entries, including surveys like WHODAS and Comprehensive TBI Evaluation, along with the walk test and timed up and go from Figure 2. A toolbar at the bottom includes search, print, and other functions.

Survey Type	Institution Name	Date	Status	View Notes
2 Minute Walk Test	CHEYENNE VAMC	9/17/2015	completed	View Notes
Timed Up and Go	CHEYENNE VAMC	9/15/2015	completed	View Notes
VA Low Vision Visual Functioning (VA LV VFQ 20) Survey	CHEYENNE VAMC	9/15/2015	completed	View Notes
WHODAS 2.0 - Interview	CHEYENNE VAMC	9/15/2015	completed	View Notes
WHODAS 2.0 - Proxy	CHEYENNE VAMC	9/15/2015	completed	View Notes
WHODAS 2.0 - Self	CHEYENNE VAMC	9/15/2015	completed	View Notes
COMPREHENSIVE TBI EVALUATION	CHEYENNE VAMC	7/29/2015	completed	View Notes
2 Minute Walk Test	CHEYENNE VAMC	7/20/2015	completed	View Notes

Figure 3 – All Instruments Report

3.2.1.3. TBI View Notes Hyperlink

The **TBI Instruments > View Notes** button displays the current patient's TBI Survey Type notes details.

The screenshot shows the TBI Instruments > Instrument Associations > All Instruments screen. At the top, there is a navigation bar with the United States Department of Veterans Affairs logo, Reporting, Help, and a search bar. Below the navigation bar, the page title is TBI INSTRUMENTS > INSTRUMENT ASSOCIATIONS > ALL INSTRUMENTS. The main content area is titled "Patient" and shows the patient information: Patient: TBIPATIENT,SHAWN and SSN: XXX-XX-0002. Below this, there is a toolbar with navigation icons and a zoom level of 100%. The main content area displays the following information:

TBIPATIENT, SHAWN ***0002**

Instrument Type: 2 Minute Walk Test

Survey Date: 9/17/2015

A table titled "question" and "Response" lists the following data:

question	Response
DX. Diagnosis	Visual Impairment
1. Assistive Device and/or Brace Used	asdadasdasd
2. Date	9/2/2015
3. Distance ambulated in 2 minutes	1
4. Date	9/2/2015

Figure 4 – View Notes Report

3.2.2. TBI Instrument Associations

The **TBI Instruments > Instrument Associations** screen displays. The patient name and the Instrument Type previously selected are presented on the screen.

UNITED STATES DEPARTMENT OF VETERANS AFFAIRS
Traumatic Brain Injury Registry

Reporting Help

TBI INSTRUMENTS > INSTRUMENT ASSOCIATIONS

Patient: AAATBINEW,TWO

Instrument Type: COMPREHENSIVE TBI EVALUATION

Select Note Title *: -- Select a Value --

Starts With: TBI Filter

Link to Consult: -- Select a Value --

Link to Encounter Type:

Scheduled Clinic Appointment
 Hospital Admission
 Current Stay
 Unscheduled or New Visit

Figure 5 – Instrument Associations

Select an appropriate Note Title from the **Select Note Title** drop-down list. Appropriate **Note Titles** for TBI patients begin with **TBI**. This selection is required.



Figure 6 – Select Note Drop-Down Box

If the note title selected is classified as a ‘Consult Report’, the user entry will complete a consult in CPRS. Use the **Link to Consult** drop-down list to select the appropriate consult to which the entry should be linked in CPRS. While this selection is optional, the user must make a selection from the list in order for the consult report to be linked to a consult in CPRS.

Patient
AAATBINEW,TWO

Instrument Type:
COMPREHENSIVE TBI EVALUATION

Select Note Title *:
TBI <TBI CONSULT REPORT>

Starts With:
TBI Filter

Link to Consult *:
– Select a Value –
Nov 03, 15 (Pending) TBI COORDINATOR CHEYENNE Cons Consult #: 486355

Link to Encounter Type
 Scheduled Clinic Appointment
 Hospital Admission
 Current Stay
 Unscheduled or New Visit

Continue

Figure 7 – Link to Consult

The **Link to Consult** drop-down list is populated with previously ordered consults for this patient. If the user selects a consult from the drop-down list, the data then entered via the selected TBI Instrument will be associated with the selected consult.

Use the radio button to select the appropriate **Link to Encounter Type** from the list.

If you select **Scheduled Clinic Appointment**, the application searches the period of time one month before today through one month after today. If any appointments are found, they are loaded into the **Select the Scheduled Clinic Appointment** drop down list. Select an appointment to proceed to the next step. If the user wishes to expand the date range for the search, the user can input new start and end dates and click **Get Appointments** and then proceed to the next step. This step associates the current instrument with the selected appointment.

The screenshot shows a user interface for selecting a scheduled clinic appointment. At the top left, there is a legend titled "Link to Encounter Type" with four options: "Scheduled Clinic Appointment" (radio button selected), "Hospital Admission", "Current Stay", and "Unscheduled or New Visit". Below this, a section titled "Select the Scheduled Clinic Appointment:" contains a dropdown menu with the placeholder text "-- Select a Value --". A "Modify Appointment Filter" link is provided with instructions for expanding the search date range. At the bottom, there are fields for "Start (mm/dd/yyyy)" and "End (mm/dd/yyyy)", a "Get Appointments" button, and a "Continue" button.

Figure 8 – Instrument Associations > Link to Encounter

If you select **Hospital Admission**, the application searches for previous hospital stays. If any are found, they are loaded into the **Select the Hospital Admission** drop down list, and the user can make the appropriate selection. If no previous stays are found for the patient, the user must select a different encounter type from the **Link to Encounter Type** list in order to proceed.

The screenshot shows a user interface for selecting a hospital admission. At the top left, there is a legend titled "Link to Encounter Type" with four options: "Scheduled Clinic Appointment", "Hospital Admission" (radio button selected), "Current Stay", and "Unscheduled or New Visit". Below this, a section titled "Select the Hospital Admission:" contains a dropdown menu with the placeholder text "-- Select a Value --". A note states that if no previous stays are found, the user must select a different choice in the "Link to Encounter Type" section. At the bottom, there is a "Continue" button.

Figure 9 – Select Hospital Admission

If you select **Current Stay**, the next action required is to click [**Continue**] to move to the next screen.

Link to Encounter Type

Scheduled Clinic Appointment
 Hospital Admission
 Current Stay
 Unscheduled or New Visit

Continue

Figure 10 – Current Stay

If you select **Unscheduled or New Visit**, the application searches to find all locations at your site which begin with **TBI**. If any locations are found, they are loaded into the **Location** drop down list. If the user wants to search using a different location, the user can change the default search string and click [**Get Locations**]. After selecting a location, the user can click [**Continue**] to move to the next screen.

Link to Encounter Type

Scheduled Clinic Appointment
 Hospital Admission
 Current Stay
 Unscheduled or New Visit

Location: **Historical**

Location
Your site's VistA system was searched to find all locations at your site which begin with the search string "TBI". If any locations were found, they are loaded in the dropdown above. If you would like to use a different location, change the default search string below and click "Get Locations". After selecting a location, you can proceed to the next step.

Location Search String:

Continue

Figure 11 – UnScheduled or New Visit

3.2.3. Comprehensive TBI Evaluation

The **TBI Instruments > Comprehensive TBI Evaluation** screen displays.

Select the appropriate answer for each patient.

The screenshot shows the Traumatic Brain Injury Registry (TBI) software interface. At the top, there is a navigation bar with the United States Department of Veterans Affairs logo, the text "UNITED STATES DEPARTMENT OF VETERANS AFFAIRS", and "Traumatic Brain Injury Registry". Below the logo are links for "Reporting" and "Help". The main title "TBI INSTRUMENTS > INSTRUMENT ASSOCIATIONS > COMPREHENSIVE TBI EVALUATION" is displayed in a red header bar. Underneath, it says "Patient" and "Patient: AAATBINEW,TWO SSN: 666-00-9902". The form consists of several sections with radio button options:

- A. Is this evaluation being completed by provider without access to CPRS (i.e. Fee Basis providers without a CPRS account)?**
All evaluations not entered into CPRS utilizing the Comprehensive TBI Evaluation template should be scanned into the medical record.
 0. No 1. Yes
- 1. Current Marital Status:**
 1. Single, never married 2. Married or partnered
 3. Separated or divorced 4. Widowed
- 2. Pre-military level of educational achievement:**
 1. Less than high school 2. High school graduate or equivalent
 3. Some college, associate degree or technical degree 4. College graduate (baccalaureate)
 5. Post baccalaureate
- 3. Current employment status:**
 1. Unemployed, looking for work 2. Unemployed, not looking for work
 3. Working part-time 4. Working full-time
 5. Student 6. Volunteer
 7. Homemaker

Figure 12 – Comprehensive TBI Evaluation Part 1

4. Working full-time

I. Injury

4. How many serious OEF/OIF deployment related injuries have occurred?

0. None

1. One

2. Two

3. Three

**4-A-1. Month of
most serious
injury:**

**4-A-2. Year of
most serious
injury:**

**4-B-1. Month of
second serious
injury:**

**4-B-2. Year of
second serious
injury:**

**4-C-1. Month of
third serious
injury:**

**4-C-2. Year of
third serious
injury:**

5. Cause of injury:

5-A. Bullet

0. No

1. Yes, one episode

2. Yes, two episodes

3. Yes, three episodes

4. Yes, four episodes

5. Yes, five or more episodes

Figure 13 – Comprehensive TBI Evaluation Part 2

5-B. Vehicular

- | | |
|--|---|
| <input type="radio"/> 0. No | <input type="radio"/> 3. Yes, three episodes |
| <input type="radio"/> 1. Yes, one episode | <input type="radio"/> 4. Yes, four episodes |
| <input type="radio"/> 2. Yes, two episodes | <input type="radio"/> 5. Yes, five or more episodes |

5-C. Fall

- | | |
|--|---|
| <input type="radio"/> 0. No | <input type="radio"/> 3. Yes, three episodes |
| <input type="radio"/> 1. Yes, one episode | <input type="radio"/> 4. Yes, four episodes |
| <input type="radio"/> 2. Yes, two episodes | <input type="radio"/> 5. Yes, five or more episodes |

5-D. Blast:

- | | |
|--|---|
| <input type="radio"/> 0. No | <input type="radio"/> 3. Yes, three episodes |
| <input type="radio"/> 1. Yes, one episode | <input type="radio"/> 4. Yes, four episodes |
| <input type="radio"/> 2. Yes, two episodes | <input type="radio"/> 5. Yes, five or more episodes |

5-D-1. When a high-explosive bomb or IED goes off there is a "blast wave" which is a wave of highly compressed gas that may feel almost like being smashed into a wall. Do you remember experiencing this or were told that you experienced it?

- | | |
|--|---|
| <input type="radio"/> 0. No | <input type="radio"/> 3. Yes, three episodes |
| <input type="radio"/> 1. Yes, one episode | <input type="radio"/> 4. Yes, four episodes |
| <input type="radio"/> 2. Yes, two episodes | <input type="radio"/> 5. Yes, five or more episodes |

5-D-1-a. Estimated distance from closest blast:

- | | |
|---|---|
| <input type="radio"/> 1. Less then 10 feet | <input type="radio"/> 3. Between 31 and 50 feet |
| <input type="radio"/> 2. Between 10 and 30 feet | <input type="radio"/> 4. Greater then 50 feet |

5-D-2. This "blast wave" is followed by a wind in which particles of sand, debris, shrapnel, and fragments are moving rapidly. Were you close enough to the blast to be "peppered" or hit by such debris, shrapnel, or other items?

- | | |
|-----------------------------|--|
| <input type="radio"/> 0. No | <input type="radio"/> 3. Yes, three episodes |
|-----------------------------|--|

Figure 14 – Comprehensive TBI Evaluation Part 3

1. Yes, one episode 4. Yes, four episodes
 2. Yes, two episodes 5. Yes, five or more episodes

5-D-3. Were you thrown to the ground or against some stationary object like a wall, vehicle or inside a vehicle by the explosion? (This is not asking if you "ducked to the ground" to protect yourself).

0. No 3. Yes, three episodes
 1. Yes, one episode 4. Yes, four episodes
 2. Yes, two episodes 5. Yes, five or more episodes

5-D-4. Did you experience any of the following injuries as a result of an explosive blast: burns, wounds, broken bones, amputations, breathing toxic fumes, or crush injuries from structures falling onto you?

0. No 3. Yes, three episodes
 1. Yes, one episode 4. Yes, four episodes
 2. Yes, two episodes 5. Yes, five or more episodes

5-D-5. Type of blast exposures: (Check all that apply)

1. Improved Explosive Device (IED) 5. Bomb
 2. Rocket Propelled Grenade (RPG) 6. Other
 3. Mortar 7. Unknown
 4. Grenade

5-E. Blunt trauma other than from blast/vehicular injury, e.g., assault, blunt force, sports related or object hitting head.

0. No 3. Yes, three episodes
 1. Yes, one episode 4. Yes, four episodes
 2. Yes, two episodes 5. Yes, five or more episodes

6. Did you lose consciousness immediately after any of these experiences?

Figure 15 – Comprehensive TBI Evaluation Part 4

0. No

1. Yes, one episode

2. Yes, two episodes

3. Yes, three episodes

4. Yes, four episodes

5. Yes, five or more episodes

6. Uncertain

6-A. If yes, estimate the duration of longest period of loss of consciousness.

1. Very brief, probably less than 5 minutes

4. Up to a full day(24 hours)

2. Less than 30 minutes

5. Up to a full week(7 days)

3. Less than 6 hours

6. More than one week

7. Did you have a period of disorientation or confusion immediately following the incident?

0. No

4. Yes, four episodes

1. Yes, one episode

5. Yes, five or more episodes

2. Yes, two episodes

6. Uncertain

3. Yes, three episodes

7-A. If yes, estimate the duration of longest period of disorientation or confusion.

1. Brief, probably less than 30 minutes

4. Up to 1 month

2. Up to a full day(24 hours)

5. Up to 3 months

3. Up to a full week(7 days)

6. More than 3 months

8. Did you experience a period of memory loss immediately before or after the incident?

0. No

4. Yes, four episodes

1. Yes, one episode

5. Yes, five or more episodes

2. Yes, two episodes

6. Uncertain

3. Yes, three episodes

8-A. If yes, estimate the duration of longest period of memory loss (Post Traumatic Amnesia (PTA)).

Figure 16 – Comprehensive TBI Evaluation Part 5

- | | |
|---|---|
| <input type="radio"/> 1. Brief, probably less than 30 minutes | <input type="radio"/> 4. Up to 1 month |
| <input type="radio"/> 2. Up to a full day(24 hours) | <input type="radio"/> 5. Up to 3 months |
| <input type="radio"/> 3. Up to a full week(7 days) | <input type="radio"/> 6. More then 3 months |

9. During this/these experience(s), did an object penetrate your skull/cranium:

0. No 1. Yes

10. Were you wearing a helmet at the time of most serious injury?

0. No 1. Yes

11. Were you evacuated from theatre?

0. No
 1. Yes, for traumatic brain injury
 2. Yes, for other medical reasons

12. Prior to this evaluation, had you received any professional treatment (including medications) for your deployment-related TBI symptoms?

0. No 1. Yes, in the past 2. Yes, currently

12-A. have you ever been prescribed medications for symptoms related to your deployment-related TBI symptoms?

0. No 1. Yes, in the past 2. Yes, currently

13. Since the time of your deployment-related injury/injuries, has anyone told you that you were acting differently?

Figure 17 – Comprehensive TBI Evaluation Part 6

0. No

1. Yes

14. Prior to your OEF/OIF deployment, did you experience a brain injury or concussion?

0. No

1. Yes

2. Uncertain

3. Not Assessed

15. Since your OEF/OIF deployment, have you experienced a brain injury or concussion?

0. No

1. Yes

2. Uncertain

3. Not Assessed

II. Symptoms

16. Please rate the following symptoms with regard to how they have affected you over the last 30 days. Use the following scale (Neurobehavioral Symptom Inventory):

None 0 - Rarely if ever present not a problem at all.

Mild 1 - Occasionally present but it does not disrupt activities, I can usually continue what I am doing; does not really concern me.

Moderate 2 - Often present, occasionally disrupts my activities; I can usually continue what I am doing with some effort; I am somewhat concerned.

Severe 3 - Frequently present and disrupts activities; I can only do things that are fairly simple or take little effort; I feel like I need help.

Very Severe 4 - Almost always present and I have been unable to perform at work, school, or home due to this problem; I probably cannot function without help.

16-A. Feeling dizzy:

0. None 1. Mild 2. Moderate 3. Severe 4. Very Severe

16-B. Loss of balance:

0. None 1. Mild 2. Moderate 3. Severe 4. Very Severe

16-C. Poor coordination, clumsy:

0. None 1. Mild 2. Moderate 3. Severe 4. Very Severe

Figure 18 – Comprehensive TBI Evaluation Part 7

16-D. Headaches:

0. None 1. Mild 2. Moderate 3. Severe 4. Very Severe

16-E. Nausea:

0. None 1. Mild 2. Moderate 3. Severe 4. Very Severe

16-F. Vision problems, blurring, trouble seeing:

0. None 1. Mild 2. Moderate 3. Severe 4. Very Severe

16-G. Sensitivity to light:

0. None 1. Mild 2. Moderate 3. Severe 4. Very Severe

16-H. Hearing difficulty:

0. None 1. Mild 2. Moderate 3. Severe 4. Very Severe

16-I. Sensitivity to noise:

0. None 1. Mild 2. Moderate 3. Severe 4. Very Severe

16-J. Numbness or tingling in parts of my body:

0. None 1. Mild 2. Moderate 3. Severe 4. Very Severe

16-K. Change in ability to taste and/or smell:

0. None 1. Mild 2. Moderate 3. Severe 4. Very Severe

16-L. Loss of appetite or increase appetite:

0. None 1. Mild 2. Moderate 3. Severe 4. Very Severe

Figure 19 – Comprehensive TBI Evaluation Part 8

16-M. Poor concentration, can't pay attention:

0. None 1. Mild 2. Moderate 3. Severe 4. Very Severe

16-N. Forgetfulness, can't remember things:

0. None 1. Mild 2. Moderate 3. Severe 4. Very Severe

16-O. Difficulty making decisions:

0. None 1. Mild 2. Moderate 3. Severe 4. Very Severe

16-P. Slowed thinking, difficulty getting organized, can't finish things:

0. None 1. Mild 2. Moderate 3. Severe 4. Very Severe

16-Q. Fatigue, loss of energy, getting tired easily

0. None 1. Mild 2. Moderate 3. Severe 4. Very Severe

16-R. Difficulty falling or staying asleep

0. None 1. Mild 2. Moderate 3. Severe 4. Very Severe

16-S. Feeling anxious or tense

0. None 1. Mild 2. Moderate 3. Severe 4. Very Severe

16-T. Feeling depressed or sad:

0. None 1. Mild 2. Moderate 3. Severe 4. Very Severe

16-U. Irritability, easily annoyed:

0. None 1. Mild 2. Moderate 3. Severe 4. Very Severe

Figure 20 – Comprehensive TBI Evaluation Part 9

16-V. Poor frustration tolerance, feeling easily overwhelmed by things:

0. None 1. Mild 2. Moderate 3. Severe 4. Very Severe

17. Overall, in the last 30 days how much did these difficulties (symptoms) interfere with your life:

0. Not at all 1. Mildly 2. Moderately 3. Severely 4. Extremely

17-A. In what areas of your life are you having these difficulties because of these symptoms?

III. Pain

18. In the last 30 days, have you had any problems with pain?

0. No 1. Yes

18-A. Location of pain: (Check all that apply)

- | | |
|--|--|
| <input type="checkbox"/> 0. Head/headaches | <input type="checkbox"/> 5. Low Back |
| <input type="checkbox"/> 1. Leg(s) | <input type="checkbox"/> 6. Upper Back |
| <input type="checkbox"/> 2. Arm(s) | <input type="checkbox"/> 7. Feet |
| <input type="checkbox"/> 3. Neck | <input type="checkbox"/> 8. Hand(s) |
| <input type="checkbox"/> 4. Shoulder(s) | <input type="checkbox"/> 9. Other(Describe in "Details of Plan") |

18-B. In the last 30 days, how much did pain interfere with your life?

0. Not at all 1. Mildly 2. Moderately 3. Severely 4. Extremely

Figure 21 – Comprehensive TBI Evaluation Part 10

18-C. In what areas of your life are you having difficulties because of pain?

19. Since the time of your deployment related injury/injuries, are your overall symptoms

1. Better 2. Worse 3. About the same

IV. Conclusion

20. Additional history of present illness, social history, functional history, patient goals, and other relevant information.

21. Current medications:

Figure 22 – Comprehensive TBI Evaluation Part 11

22. Physical Examination:

23. Psychiatric Symptoms:

0. No 1. Yes 2. Not assessed

23-A. If yes or suspected/probable, symptoms of which disorders?

1. Depression
 2. PTSD

5. Drug abuse/dependence
 6. Psychotic disorder

Figure 23 – Comprehensive TBI Evaluation Part 12

- | | |
|---|---|
| <input type="checkbox"/> 3. Anxiety disorder(other than PTSD) | <input type="checkbox"/> 7. Other AXIS I disorder |
| <input type="checkbox"/> 4. Alcohol abuse/dependence | <input type="checkbox"/> 8. Somatoform disorder |

24. SCI:

0. No 1. Yes

25. Amputation:

- | | |
|--|---|
| <input type="radio"/> 0. None | <input type="radio"/> 5. Single lower extremity, above knee |
| <input type="radio"/> 1. Single hand | <input type="radio"/> 6. Single lower extremity, below knee |
| <input type="radio"/> 2. Double hand | <input type="radio"/> 7. Double lower extremity, above knee |
| <input type="radio"/> 3. Single upper extremity, above elbow | <input type="radio"/> 8. Double lower extremity, above/below knee |
| <input type="radio"/> 4. Single upper extremity, below elbow | <input type="radio"/> 9. Upper extremity and lower extremity amputation |

26. Other significant medical conditions/problems:

0. No 1. Yes 2. Not assessed

V. Diagnosis

27. Are the history of the injury and the course of clinical symptoms consistent with a diagnosis of TBI sustained during OEF/OIF deployment?

0. No 1. Yes

28. In your clinical judgment the current clinical symptom presentation is most consistent with:

- 1. Symptom resolution (patient is currently not reporting symptoms)
- 2. An OEF/OIF deployment-related Traumatic Brain Injury (TBI) residual problems
- 3. Behavioral Health conditions (e.g. PTSD, depression, etc.)
- 4. A combination of OEF/OIF deployment-related TBI and Behavioral Health condition(s)
- 5. Other condition not related to OEF/OIF deployment related TBI or Behavioral Health condition(s)

VI. Plan

29. Follow up plan:

- 1. Services will be provided within VA healthcare system
- 2. Services will be provided outside VA
- 3. Patient will receive both VA and non-VA services
- 4. No services needed
- 5. Patient refused or not interested in further services

Follow up code within VA

29-A. Education:

- 0. No
- 1. Yes

29-B: Consult requested with: (Check all that apply)

- | | |
|---|---|
| <input type="checkbox"/> 0. Audiology | <input type="checkbox"/> 7. PM and R |
| <input type="checkbox"/> 1. ENT | <input type="checkbox"/> 8. Prosthetics |
| <input type="checkbox"/> 2. Neurology | <input type="checkbox"/> 9. Psychiatry |
| <input type="checkbox"/> 3. Neuropsychology/Neuropsychological assessment | <input type="checkbox"/> 10. Psychology |
| <input type="checkbox"/> 4. Occupational therapy | <input type="checkbox"/> 11. Speech-Language pathology |
| <input type="checkbox"/> 5. Ophthalmology/Optometry | <input type="checkbox"/> 12. Substance Use/Addictive Disorder Evaluation and/or Treatment |
| <input type="checkbox"/> 6. Physical Therapy | <input type="checkbox"/> 13. Other |

Figure 25 – Comprehensive TBI Evaluation Part 14

29-C. Referral to Polytrauma Network Site (PNS):

- | | |
|--|---|
| <input type="checkbox"/> West Roxbury (V1) | <input type="checkbox"/> Indianapolis (V11) |
| <input type="checkbox"/> Syracuse (V2) | <input type="checkbox"/> Hines (V12) |
| <input type="checkbox"/> Bronx (V3) | <input type="checkbox"/> St. Louis (V15) |
| <input type="checkbox"/> Philadelphia (V4) | <input type="checkbox"/> Houston (V16) |
| <input type="checkbox"/> Washington, DC (V5) | <input type="checkbox"/> Dallas (V17) |
| <input type="checkbox"/> Richmond (V6) | <input type="checkbox"/> Tucson (V18) |
| <input type="checkbox"/> Augusta (V7) | <input type="checkbox"/> Denver (V19) |
| <input type="checkbox"/> San Juan (V8) | <input type="checkbox"/> Seattle (V20) |
| <input type="checkbox"/> Tampa (V8) | <input type="checkbox"/> Palo Alto (V21) |
| <input type="checkbox"/> Lexington (V9) | <input type="checkbox"/> West Los Angeles (V22) |
| <input type="checkbox"/> Cleveland (V10) | <input type="checkbox"/> Minneapolis (V23) |

29-D. Electro-diagnostic study (nerve conduction/electromyogram):

0. No 1. Yes

29-D-1. Electroencephalogram (EEG):

0. No 1. Yes

29-E. Lab:

0. None 1. Blood work 2. Urine drug screen
 3. Other

29-F. Head CT:

0. No 1. Yes

29-G. Brain MRI:

0. No 1. Yes

29-H. Other consultation:

0. No

1. Yes

29-I. New medication trial or change in dose of existing medication to address following symptoms:

- 0. Incoordination or dizziness (consider Meclizine)
- 1. Headaches or Visual Disturbance (consider Pain Medications)
- 2. Non-headache pain (consider Pain Medications)
- 3. Nausea/loss of appetite (consider Compazine, Appetite stimulants)
- 4. Poor attention, concentration or memory (consider Stimulants, SSRIs, anticholinesterase inhibitors)
- 5. Depression (consider SSRI, other antidepressants)
- 6. Anxiety or irritability (consider SSRI, Buspirone, Anti-Epileptic Agents, Quetiapine, Trazodone)
- 7. Insomnia (consider Trazodone, Ambien, Lunesta, Quetiapine)
- 8. Seizures (consider Anti-Epileptic agents)
- 9. Other

30. Details of plan:

If you are unable to finish at this time, or if you just want to save while entering, click Save Draft.

If you are finished with entry, and ready to save and format the note (you will get another chance to

review prior to submit),
click Save and Prepare Note.

If you want to return to CPRS press the Cancel Button. Do not use Internet browser back arrow.

Current User:

Figure 27 – Comprehensive TBI Evaluation Part 16

Select [**Save Draft**] to save the information entered even if it is incomplete or in the event the user wishes to review the data again prior to completing the note.

Select [**Save and Prepare Note**] to preview the note.

Click [**Cancel**] to reset the questionnaire.



Please review the content. If you need to make changes, click the Cancel button and edit the answers. If the content is correct, click the Submit Note button.

Note: once the note is submitted, it will no longer be editable in this tool and updates will need to be done within CPRS

The application reformats the information entered into the questionnaire and displays the resulting report. The instructions on the screen suggest the user review the newly formatted content. If the user wants to make changes to the material, the user should click [**Cancel**] button and re-enter the answers. If the content is correct, the user clicks the [**Submit Note**] button.

Be aware that once the note is submitted, it is no longer editable within the TBI Instruments application and any updates will have to be made within CPRS.

The clinician must sign the note in CPRS.

3.2.4. TBI Follow-Up Assessment Screen

The TBI Follow-Up Assessment questionnaire is similar to the Comprehensive TBI Evaluation. Select the appropriate response for each patient.

TBI INSTRUMENTS > INSTRUMENT ASSOCIATIONS > TBI FOLLOW-UP ASSESSMENT

Patient

Patient:

SSN:

Facility:

A. Chief Complaint:

B. History of Present Illness, or Interval History since last visit:

1. Change in Marital Status:

0. No

1. Yes, Married or Partnered

2. Yes, Divorced or separated

3. Yes, Widowed

2. Highest educational level achieved:

1. Less than high school

2. High school or equivalent

3. Some college, associates degree, or technical degree

4. College graduate (baccalaureate)

5. Post baccalaureate

2-A. Current school or training status:

1. Full time Student/Trainee

2. Part time Student/Trainee

3. Not attending school or trainee program

3. Current employment status:

Figure 28 – TBI Follow-Up Assessment Screen Part 1

- | | |
|--|------------------------------------|
| <input type="radio"/> 1. Unemployed looking for work | <input type="radio"/> 5. Student |
| <input type="radio"/> 2. Unemployed not looking for work | <input type="radio"/> 6. Volunteer |
| <input type="radio"/> 3. Working part-time | <input type="radio"/> 7. Homemaker |
| <input type="radio"/> 4. Working full-time | |

I. Injury

4. Experienced head injury since prior evaluation?

- | | |
|-----------------------------|------------------------------|
| <input type="radio"/> 0. No | <input type="radio"/> 1. Yes |
|-----------------------------|------------------------------|

4-A. Month of most recent head injury:

4-B. Year of most recent head injury: _____

5. Cause Of Injury

5-A. Bullet

- | | |
|--|---|
| <input type="radio"/> 0. No | <input type="radio"/> 3. Yes, three episodes |
| <input type="radio"/> 1. Yes, one episode | <input type="radio"/> 4. Yes, four episodes |
| <input type="radio"/> 2. Yes, two episodes | <input type="radio"/> 5. Yes, five or more episodes |

5-B. Vehicular

- | | |
|--|---|
| <input type="radio"/> 0. No | <input type="radio"/> 3. Yes, three episodes |
| <input type="radio"/> 1. Yes, one episode | <input type="radio"/> 4. Yes, four episodes |
| <input type="radio"/> 2. Yes, two episodes | <input type="radio"/> 5. Yes, five or more episodes |

5-C. Fall

- | | |
|--|---|
| <input type="radio"/> 0. No | <input type="radio"/> 3. Yes, three episodes |
| <input type="radio"/> 1. Yes, one episode | <input type="radio"/> 4. Yes, four episodes |
| <input type="radio"/> 2. Yes, two episodes | <input type="radio"/> 5. Yes, five or more episodes |

5-D. Blast

Figure 29 – TBI Follow-Up Assessment Screen Part 2

0. No

1. Yes, one episode

2. Yes, two episodes

3. Yes, three episodes

4. Yes, four episodes

5. Yes, five or more episodes

5-D-1. When a high-explosive bomb or IED goes off there is a "blast wave" which is a wave of highly compressed gas that may feel almost like being smashed into a wall. Do you remember experiencing this or were told that you experienced it?

0. No

1. Yes, one episode

2. Yes, two episodes

3. Yes, three episodes

4. Yes, four episodes

5. Yes, five or more episodes

5-D-1-a. Estimated distance from closest blast:

1. Less than 10 feet

2. Between 10 and 30 feet

3. Between 30 and 50 feet

4. Greater than 50 feet

5-D-2. This "blast wave" is followed by a wind in which particles of sand, debris, shrapnel, and fragments are moving rapidly. Were you close enough to the blast to be "peppered" or hit by such debris, shrapnel, or other items?

0. No

1. Yes, one episode

2. Yes, two episodes

3. Yes, three episodes

4. Yes, four episodes

5. Yes, five or more episodes

5-D-3. Were you thrown to the ground or against some stationary object like a wall, vehicle or inside a vehicle by the explosion? (This is not asking if you ducked to the ground to protect yourself.)

0. No

1. Yes, one episode

2. Yes, two episodes

3. Yes, three episodes

4. Yes, four episodes

5. Yes, five or more episodes

5-D-4. Did you experience any of the following injuries as a result of an explosive blast: burns, wounds, broken bones, amputations, breathing toxic fumes, or crush injuries from structures falling onto you?

0. No

1. Yes, one episode

2. Yes, two episodes

3. Yes, three episodes

4. Yes, four episodes

5. Yes, five or more episodes

5-D-5. Type of Blast Exposures (Check all that apply):

Figure 30 – TBI Follow-Up Assessment Screen Part 3

- | | |
|---|-------------------------------------|
| <input type="checkbox"/> 1. Improvised Explosive Device (IED) | <input type="checkbox"/> 5. Bomb |
| <input type="checkbox"/> 2. Rocket Propelled Grenade (RPG) | <input type="checkbox"/> 6. Other |
| <input type="checkbox"/> 3. Mortar | <input type="checkbox"/> 7. Unknown |
| <input type="checkbox"/> 4. Grenade | |

5-E. Blunt trauma other than from blast/vehicular injury, e.g., assault, blunt force, sports related or object hitting head:

- | | |
|---|---|
| <input type="radio"/> 0. No | <input type="radio"/> 3. Yes, three episodes |
| <input type="radio"/> 1. Yes, one episode | <input type="radio"/> 4. Yes, four episodes |
| <input checked="" type="radio"/> 2. Yes, two episodes | <input type="radio"/> 5. Yes, five or more episodes |

6. Did you lose consciousness immediately after any of these experiences?

- | | |
|--|---|
| <input type="radio"/> 0. No | <input type="radio"/> 4. Yes, four episodes |
| <input type="radio"/> 1. Yes, one episode | <input type="radio"/> 5. Yes, five or more episodes |
| <input type="radio"/> 2. Yes, two episodes | <input type="radio"/> 6. Uncertain |
| <input type="radio"/> 3. Yes, three episodes | |

6-A. If yes, estimate the duration of longest period of loss of consciousness

- | | |
|---|--|
| <input type="radio"/> 1. Very brief, probably less than 5 minutes | <input type="radio"/> 4. Up to a full day (24 hours) |
| <input type="radio"/> 2. Less than 30 minutes | <input type="radio"/> 5. Up to a full week (7 days) |
| <input type="radio"/> 3. Less than 6 hours | <input type="radio"/> 6. More than one week |

7. Did you have a period of disorientation or confusion immediately following the incident?

- | | |
|--|---|
| <input type="radio"/> 0. No | <input type="radio"/> 4. Yes, four episodes |
| <input type="radio"/> 1. Yes, one episode | <input type="radio"/> 5. Yes, five or more episodes |
| <input type="radio"/> 2. Yes, two episodes | <input type="radio"/> 6. Uncertain |
| <input type="radio"/> 3. Yes, three episodes | |

7-A. If yes, estimate the duration of longest period of disorientation or confusion.

- | | |
|---|---|
| <input type="radio"/> 1. Brief, probably less than 30 minutes | <input type="radio"/> 4. Up to one month |
| <input type="radio"/> 2. Up to a full day (24 hours) | <input type="radio"/> 5. Up to 3 months |
| <input type="radio"/> 3. Up to a full week (7 days) | <input type="radio"/> 6. More than 3 months |

Figure 31 – TBI Follow-Up Assessment Screen Part 4

8. Did you experience a period of memory loss immediately before or after the incident?

- 0. No
- 1. Yes, one episode
- 2. Yes, two episodes
- 3. Yes, three episodes

- 4. Yes, four episodes
- 5. Yes, five or more episodes
- 6. Uncertain

8-A. If yes, estimate the duration of longest period of memory loss (Post Traumatic Amnesia (PTA)).

- 1. Brief, probably less than 30 minutes
- 2. Up to a full day (24 hours)
- 3. Up to a full week (7 days)

- 4. Up to one 1 month
- 5. Up to 3 months
- 6. More than 3 months

9. During this/these experience(s), did an object penetrate your skull/cranium:

- 0. No, non-penetrating

- 1. Yes, penetrating

10. If you have had a new injury, have you seen any health care providers (doctors/therapists) as a result of the new head injury?

- 0. No
- 1. Yes, in the past

- 2. Yes, currently

10-A. Did the provider you saw for your new injury change your medications in any way (new type or change in dosage)?

- 0. No
- 1. Yes, new type of medication
- 2. Yes, change in dosage

II. Symptoms

11. Please rate the following symptoms with regard to how they have affected you over the last 30 days. Use the following scale (Neurobehavioral Symptom Inventory):

None 0 - Rarely if ever present not a problem at all.

Mild 1 - Occasionally present but it does not disrupt activities; I can usually continue what I am doing; does not really concern me.

Moderate 2 - Often present, occasionally disrupts my activities; I can usually continue what I am doing with some effort; I am somewhat concerned.

Severe 3 - Frequently present and disrupts activities; I can only do things that are fairly simple or take little effort; I feel like I need help.

Very Severe 4 - Almost always present and I have been unable to perform at work, school, or home due to this problem; I probably cannot function without help.

Figure 32 – TBI Follow-Up Assessment Screen Part 5

11-A. Feeling dizzy:

0. None 1. Mild 2. Moderate 3. Severe 4. Very Severe

11-B. Loss of Balance:

0. None 1. Mild 2. Moderate 3. Severe 4. Very Severe

11-C. Poor coordination, clumsy:

0. None 1. Mild 2. Moderate 3. Severe 4. Very Severe

11-D. Headaches:

0. None 1. Mild 2. Moderate 3. Severe 4. Very Severe

11-E. Nausea:

0. None 1. Mild 2. Moderate 3. Severe 4. Very Severe

11-F. Vision problems, blurring, trouble seeing:

0. None 1. Mild 2. Moderate 3. Severe 4. Very Severe

11-G. Sensitivity to light:

0. None 1. Mild 2. Moderate 3. Severe 4. Very Severe

11-H. Hearing difficulty:

0. None 1. Mild 2. Moderate 3. Severe 4. Very Severe

11-I. Sensitivity to noise:

0. None 1. Mild 2. Moderate 3. Severe 4. Very Severe

11-J. Numbness or tingling on parts of my body:

0. None 1. Mild 2. Moderate 3. Severe 4. Very Severe

11-K. Change in taste and/or smell:

Figure 33 – TBI Follow-Up Assessment Screen Part 6

0. None 1. Mild 2. Moderate 3. Severe 4. Very Severe

11-L. Loss of appetite or increase appetite:

0. None 1. Mild 2. Moderate 3. Severe 4. Very Severe

11-M. Poor concentration, can't pay attention:

0. None 1. Mild 2. Moderate 3. Severe 4. Very Severe

11-N. Forgetfulness, can't remember things:

0. None 1. Mild 2. Moderate 3. Severe 4. Very Severe

11-O. Difficulty making decisions:

0. None 1. Mild 2. Moderate 3. Severe 4. Very Severe

11-P. Slowed thinking, difficulty getting organized, can't finish things:

0. None 1. Mild 2. Moderate 3. Severe 4. Very Severe

11-Q. Fatigue, loss of energy, getting tired easily:

0. None 1. Mild 2. Moderate 3. Severe 4. Very Severe

11-R. Difficulty falling or staying asleep:

0. None 1. Mild 2. Moderate 3. Severe 4. Very Severe

11-S. Feeling anxious or tense:

0. None 1. Mild 2. Moderate 3. Severe 4. Very Severe

11-T. Feeling depressed or sad:

0. None 1. Mild 2. Moderate 3. Severe 4. Very Severe

11-U. Irritability, easily annoyed:

Figure 34 – TBI Follow-Up Assessment Screen Part 7

0. None

1. Mild

2. Moderate

3. Severe

4. Very Severe

11-V. Poor frustration tolerance, feeling easily overwhelmed by things:

0. None

1. Mild

2. Moderate

3. Severe

4. Very Severe

12. Overall, in the last 30 days how much did these difficulties (symptoms) interfere with your life?

0. Not at all

3. Severely

1. Mildly

4. Extremely

2. Moderately

12-A. In what areas of your life are you having difficulties because of these symptoms?

III. Pain

13. In the last 30 days, have you had any problems with pain?

0. No

1. Yes

13-A. If yes, location(s) (Check all that apply):

0. Head/headaches

5. Low Back

1. Leg(s)

6. Upper Back

2. Arm(s)

7. Feet

3. Neck

8. Hand(s)

4. Shoulder(s)

9. Other (Describe in "Details of Plan")

13-B. If yes, in the last 30 days, how much did pain interfere with your life?

0. Not at all

3. Severely

1. Mildly

4. Extremely

2. Moderately

14. Since your last evaluation, are your overall symptoms:

Figure 35 – TBI Follow-Up Assessment Screen Part 8

0. Better

1. Worse

2. About the same

15. Additional comments regarding current symptoms/functional status:

16. Current Medications:

17. Physical Examination:

18. Professional Conclusion/Assessment:

IV. Diagnosis

19. Has the patient experienced a new TBI since their last diagnosis?

0. No

1. Yes

19-A. In your clinical judgment the current clinical symptom presentation is most consistent with:

Figure 36 – TBI Follow-Up Assessment Screen Part 9

- 1. Symptom resolution (patient is currently not reporting symptoms)
- 2. Traumatic Brain Injury (TBI) residual problems
- 3. Behavioral Health conditions (e.g., PTSD, depression, etc.)
- 4. A combination of TBI and Behavioral Health condition(s)
- 5. Other condition not related to TBI or Behavioral Health condition(s)

V. Plan

20. Follow-up Plan:

- 1. Services will be provided within VA healthcare system
- 2. Services will be provided outside VA
- 3. Patient will receive Both VA and Non-VA Services
- 4. No services needed
- 5. Patient refused/not interested in further services
- 6. Return to clinic for follow up appointment

21. Details Of Plan:

[Save Draft](#) [Save and Prepare Note](#) [Cancel](#)

If you are unable to finish at this time, or if you just want to save while entering, click Save Draft.

If you are finished with entry, and ready to save and format the note (you will get another chance to review prior to submit),
click Save and Prepare Note.

If you want to return to CPRS press the Cancel Button. Do not use Internet browser back arrow.
Current User:

Figure 37 – TBI Follow-Up Assessment Screen Part 10

Select [**Save Draft**] to save the information entered even if it is incomplete or in the event the user wishes to review the data again prior to completing the note.

Select [**Save and Prepare Note**] to preview the note.

Click [**Cancel**] to reset the questionnaire.

Please review the content. If you need to make changes, click the Cancel button and edit the answers. If the content is correct, click the Submit Note button.

Note: once the note is submitted, it will no longer be editable in this tool and updates will need to be done within CPRS

The application reformats the information entered into the questionnaire and displays the resulting report. The instructions on the screen suggest the user review the newly formatted content. If the user wants to make changes to the material, the user should click [**Cancel**] button and re-enter the answers. If the content is correct, the user clicks the [**Submit Note**] button.

Be aware that once the note is submitted, it is no longer editable within the TBI Instruments application and any updates will have to be made within CPRS.

The clinician must sign the note in CPRS.

3.2.5. Mayo-Portland Adaptability Inventory (MPAI)

MPAI was designed:

1. To assist in the clinical evaluation of people during the postacute (posthospital) period following acquired brain injury (ABI),
2. To assist in the evaluation of rehabilitation programs designed to serve these people, and
3. To better understand the long-term outcomes of ABI.

Evaluation and rating of each of the areas designated by MPAI items assures that the most frequent and important sequelae of ABI are considered for rehabilitation planning or other clinical interventions. MPAI items represent the range of physical, cognitive, emotional, behavioral, and social problems that people may encounter after ABI. MPAI items also provide an assessment of major obstacles to community integration which may result directly from ABI as well as problems in the social and physical environment. Periodic re-evaluation with MPAI during postacute rehabilitation or other intervention provides documentation of progress and of the efficacy and appropriateness of the intervention. Research that examines the responses to the MPAI by individuals with longstanding ABI and by their caregivers and close acquaintances helps to answer questions about the future of those who are newly injured, and their long-term medical, social and economic needs.

Select the appropriate response for each patient. All items are required, except where noted.

TBI INSTRUMENTS > INSTRUMENT ASSOCIATIONS > THE MAYO-PORTLAND ADAPTABILITY INVENTORY (MPAI-4)

Patient

Patient:

SSN:

Facility:

**Mayo-Portland Adaptability Inventory-4
Participation Index (M2PI)**

Muriel D. Lezak, PhD, ABPP & James F. Malec, PhD, ABPP

Used as VA Interdisciplinary Team Assessment of Community Functioning

Note Type: Person Reporting:

Initial

Single Professional

Professional Consensus

Person with Brain Injury

Significant Other

Below each item, select the number that best describes the level at which the person being evaluated experiences problems. Mark the greatest level of problem that is appropriate. Problems that interfere rarely with daily or valued activities, that is, less than 5% of the time, should be considered not to interfere. Write comments about specific items at the end of the rating scale.

1. Initiation: Problems getting started on activities without prompting

0 None

1 Mild problem but does not interfere with activities; may use assistive device or medication

2 Mild problem; interferes with activities 5-24% of the time

3 Moderate problem; interferes with activities 25-75% of the time

4 Severe problem; interferes with activities more than 75% of the time

Comment

Item #1:

2. Social contact with friends, work associates, and other people who are not family, significant others, or professionals

0 Normal involvement with others

1 Mild difficulty in social situations but maintains normal involvement with others

2 Mildly limited involvement with others (75-95% of normal interaction for age)

Figure 38 – Mayo Portland Adaptability Inventory (Part 1)

- 3 Moderately limited involvement with others (25-74% of normal interaction for age)
- 4 No or rare involvement with others (less than 25% of normal interaction for age)

Comment

Item #2:

3. Leisure and recreational activities

- 0 Normal participation in leisure activities for age
- 1 Mild difficulty in these activities but maintains normal participation
- 2 Mildly limited participation (75-95% of normal participation for age)
- 3 Moderately limited participation (25-74% of normal participation for age)
- 4 No or rare participation (less than 25% of normal participation for age)

Comment

Item #3:

4. Self-care: Eating, dressing, bathing, hygiene

- 0 Independent completion of self-care activities
- 1 Mild difficulty, occasional omissions or mildly slowed completion of self-care; may use assistive device or require occasional prompting
- 2 Requires a little assistance or supervision from others (5-24% of the time) including frequent prompting
- 3 Requires moderate assistance or supervision from others (25-75% of the time)
- 4 Requires extensive assistance or supervision from others (more than 75% of the time)

Comment

Item #4:

5. Residence: Responsibilities of independent living and homemaking(such as meal preparation, home repairs and maintenance, personal health maintenance beyond basic hygiene including medical management) but not including managing money (see # 8)

- 0 Independent; living without supervision or concern from others
- 1 Living without supervision but others have concerns about safety or managing responsibilities
- 2 Requires a little assistance or supervision from others (5-24% of the time)
- 3 Requires moderate assistance or supervision from others (25-75% of the time)

Figure 39 – Mayo Portland Adaptability Inventory (Part 2)

- 4 Requires extensive assistance or supervision from others (more than 75% of the time)

Comment

Item #5:

6. Transportation

- 0 Independent in all modes of transportation including independent ability to operate a personal motor vehicle
- 1 Independent in all modes of transportation, but others have concerns about safety
- 2 Requires a little assistance or supervision from others (5-24% of the time); cannot drive
- 3 Requires moderate assistance or supervision from others (25-75% of the time); cannot drive
- 4 Requires extensive assistance or supervision from others (more than 75% of the time); cannot drive

Comment

Item #6:

7A. Paid Employment: Rate either item 7A or 7B to reflect the primary desired social role. Do not rate both. Rate 7A if the primary social role is paid employment. If another social role is primary, rate only 7B. For both 7A and 7B, "support" means special help from another person with responsibilities (such as, a job coach or shadow, tutor, helper) or reduced responsibilities. Modifications to the physical environment that facilitate employment are not considered as support.

- 0 Full-time (more than 30 hrs/wk) without support
- 1 Part-time (3 to 30 hrs/ wk) without support
- 2 Full-time or part-time with support
- 3 Sheltered work
- 4 Unemployed; employed less than 3 hours per week

Comment

Item #7A:

7B. Other employment: Involved in constructive, role-appropriate activity other than paid employment

Primary Desired Role: Check only one to indicate primary desired social role for question 7B:



- Note:** You can only answer one of Item 7A or 7B. Refer to Figure 19 for the rest of item 7B.

Figure 40 – Mayo Portland Adaptability Inventory (Part 3)

	<ul style="list-style-type: none">Note: You can only answer one of Item 7A or 7B. Refer to Figure 19 for the rest of item 7B.
--	--

- Childrearing/care-giving
- Homemaker, no childrearing or care-giving
- Student
- Volunteer
- Retired (Check retired only if over age 60; if unemployed, retired as disabled and under age 60, indicate "Unemployed" for item 7A.)

- 0 Full-time (more than 30 hrs/wk) without support; full-time course load for students
- 1 Part-time (3 to 30 hrs/ wk) without support
- 2 Full-time or part-time with support
- 3 Activities in a supervised environment other than a sheltered workshop
- 4 Inactive; involved in role-appropriate activities less than 3 hours per week

Comment

Item #7B:

8. Managing money and finances: Shopping, keeping a check book or other bank account, managing personal income and investments

- 0 Independent, manages money without supervision or concern from others
- 1 Manages money independently, but others have concerns
- 2 Requires mild assistance or supervision from others (5-24% of the time)
- 3 Requires moderate assistance or supervision from others (25-75% of the time)
- 4 Requires extensive assistance or supervision from others (more than 75% of the time)

Comment

Item #8:

Standard N/A
T-score:

[Save Draft](#)

[Save and Prepare Note](#)

[Cancel](#)

If you are unable to finish at this time, or if you just want to save while entering, click Save Draft.

If you are finished with entry, and ready to save and format the note (you will get another chance to review prior to submit), click Save and Prepare Note.

Figure 41 – Mayo Portland Adaptability Inventory (Part 4)

Select [**Save Draft**] to save the information entered even if it is incomplete or in the event the user wishes to review the data again prior to completing the note.

Select [**Save and Prepare Note**] to preview the note.

Click [**Cancel**] to reset the questionnaire.

[Submit Note](#)

[Cancel](#)

Please review the content. If you need to make changes, click the Cancel button and edit the answers. If the content is correct, click the Submit Note button.

Note: once the note is submitted, it will no longer be editable in this tool and updates will need to be done within CPRS

The application reformats the information entered into the questionnaire and displays the resulting report. The instructions on the screen suggest the user review the newly formatted content. If the user wants to make changes to the material, the user should click [**Cancel**] button and re-enter the answers. If the content is correct, the user clicks the [**Submit Note**] button.

Be aware that once the note is submitted, it is no longer editable within the TBI Instruments application and any updates will have to be made within CPRS.

The clinician must sign the note in CPRS.

3.3. Participation Index (M2PI)

The Participation Index (M2PI) instrument allows users to submit notes for patients who were previously entered in the PROMIS - Pain Interference- Short Form 6a, PROMIS – Upper Extremity - Short Form 7a, PROMIS – Physical Function with Mobility Aid, or Mayo-Portland Adaptability Inventory (MPAI) instruments.

After entering information for the patients in these instruments, providers must first create an Initial Note in M2PI. After the Initial Note is submitted, the provider may enter as many Interim notes as are required; however, they may only submit a single Discharge, and Follow Up note.

The screenshot shows a web-based application for the M2PI instrument. At the top, a dark header bar displays the path: 'TBI INSTRUMENTS > INSTRUMENT ASSOCIATIONS > MPAI-4 PARTICIPATION INDEX (M2PI)'. Below this, a patient record is shown: 'Patient' followed by a redacted name, and 'SSN: 666-00-9903'. The main content area has a white background with a dark blue horizontal bar at the top containing the instrument's title. To the right of this bar, the text 'Mayo-Portland Adaptability Inventory-4 Participation Index (M2PI)' and 'Muriel D. Lezak, PhD, ABPP & James F. Meier, PhD, ABPP' is displayed, along with the note 'Used as VA Interdisciplinary Team Assessment of Community Functioning'. Below this, there are two input fields: 'Raw Score: N/A' on the left and 'T Score: N/A' on the right. A section titled 'Previous Initial M2PI Instrument Dates:' follows, with a note: '(New Instance of Care - Do not add to prior notes)'. At the bottom, there is a 'Note Type:' section with radio buttons for 'Initial', 'Interim', 'Discharge', and 'FollowUp', where 'Initial' is selected. The entire form is contained within a light gray border.

Figure 42 - Participation Index (M2PI) Instrument

3.3.1. Rehabilitation and Reintegration Plan

The Rehabilitation and Community Reintegration Care plan also manages the ongoing and emerging rehabilitation and psychosocial needs of Veterans with polytrauma and TBI. This includes ongoing follow up and treatment, case management, coordination of services, monitoring the implementation of the treatment plan, overseeing the quality and intensity of VA and non-VA services, and providing education and support for patients and caregivers.

Select the appropriate response for each patient.

TBI INSTRUMENTS > INSTRUMENT ASSOCIATIONS > REHABILITATION AND REINTEGRATION PLAN

Patient

Patient:

SSN:

Facility:

This note documents the interdisciplinary team assessment, goals, and plan. Team membership is comprised of the Veteran or Active Duty Service member, family, and clinical providers as indicated in the body of the note below.

Note Initial
Type: Interim
 Discharge

1. History of present illness/interim history since last team note

2. Current problems: (Patient has identified needing help in addressing the symptoms selected below as they are frequently present and disrupt activities.)

- Feeling dizzy
- Poor coordination, clumsy
- Headaches
- Nausea
- Vision problems, blurring, trouble seeing
- Sensitivity to light
- Poor concentration, cannot pay attention, easily distracted
- Forgetfulness, cannot remember things
- Difficulty falling or staying asleep
- Feeling anxious or tense
- Irritability, easily annoyed
- Other

Additional Comments:

Figure 43 – Rehabilitation and Reintegration Plan Part 1

3. Summary of Interdisciplinary Treatment (IDT) evaluations: (Check all that apply)

- Assistive technologist or rehabilitation engineer
- Blind rehabilitation specialist
- Driver rehabilitation specialist
- Kinesiotherapist
- Neurologist
- Occupational therapist
- Orthotist or prosthetist
- Physical therapist
- Psychiatrist
- Psychologist/neuropsychologist
- Recreation therapist
- Rehabilitation nurse
- Rehabilitation physician
- Social worker/case manager
- Speech language pathologist
- Vocational rehabilitation
- Other

Additional Comments:

4. Interdisciplinary Treatment Team Goals

- Symptom reduction (based on symptoms reported in current problems section)
- Initiation
- Social contact (friends, work associates and other people outside of family)
- Leisure and recreational activities
- Self-care (eating, dressing, bathing, hygiene)
- Independent living and homemaking (meal preparation, home repairs, maintenance)

Figure 44 – Rehabilitation and Reintegration Plan Part 2

- Transportation
- Employment/education
- Managing money and finances
- Other

5. Rehabilitation and reintegration plan: (Types of services, frequency/duration of treatment, planned follow up, etc.)

6. Consults requested and/or follow-up on consults

- Audiology
- Behavioral health
- Dietician
- Drivers rehab
- Low vision rehabilitation specialist
- Optometry/ophthalmology
- Orthopedics
- Pain management
- Radiology/imaging
- Vocational rehabilitation
- Other

7. Proposed timeframe for IDT follow up conference

- 1 Week
- 2 Weeks
- 1 Month
- 2 Months
- Other

Plan of care communicated

- Yes
- No

Figure 45 – Rehabilitation and Reintegration Plan Part 3

8. Physician responsible for managing the treatment plan: (Name and telephone number)



9. Polytrauma-TBI Case Manager responsible for monitoring implementation: (Name and telephone number)



10. Other case management support (Optional): (Name and telephone number)

- Military case manager**
- Transition patient advocate**
- OEF/OIF case manager**
- Other**

11. Date care plan will be reviewed

12. Additional Information (Optional)



Save Draft

Save and Prepare Note

Cancel

If you are unable to finish at this time, or if you just want to save while entering, click Save Draft.

If you are finished with entry, and ready to save and format the note (you will get another chance to review prior to submit), click Save and Prepare Note.

If you want to return to CPRS press the Cancel Button. Do not use Internet browser back arrow.
Current User:

Figure 46 – Rehabilitation and Reintegration Plan Part 4

Select **[Save Draft]** to save the information entered even if it is incomplete or in the event the user wishes to review the data again prior to completing the note.

Select **[Save and Prepare Note]** to preview the note.

Click [**Cancel**] to reset the questionnaire.

[Submit Note](#)

[Cancel](#)

Please review the content. If you need to make changes, click the Cancel button and edit the answers. If the content is correct, click the Submit Note button.

Note: once the note is submitted, it will no longer be editable in this tool and updates will need to be done within CPRS

The application reformats the information entered into the questionnaire and displays the resulting report. The instructions on the screen suggest the user review the newly formatted content. If the user wants to make changes to the material, the user should click [**Cancel**] button and re-enter the answers. If the content is correct, the user clicks the [**Submit Note**] button.

Be aware that once the note is submitted, it is no longer editable within the TBI Instruments application and any updates will have to be made within CPRS.

The clinician must sign the note in CPRS.

3.3.2. Rehabilitation Follow Up Instrument

The Rehabilitation Follow Up instrument tracks patient feedback related to the rehabilitation they received in Inpatient or Outpatient facilities.

Select the appropriate response for each patient.

The screenshot shows the 'REHABILITATION FOLLOW UP' section of the TBI INSTRUMENTS application. At the top, it displays the patient information: Patient, Patient ID: AAATBNEW.THREE, SSN: 666-00-9903. Below this, the 'Basic Information' section includes fields for 'Respondent' (Patient, Caregiver), 'Rehabilitation Setting' (Inpatient, Outpatient), 'Discharge Date', and 'Date of Follow Up'. The 'Diagnosis' section lists various medical conditions with radio button options: Stroke, Brain Dysfunction (TBI/DBI), Hearing Loss, Visual Impairment, SCI, Amputation, Pain, Orthopedic Conditions, Cardiopulmonary, Multiple Trauma, Disability, and Other. There is also a 'Other Description' input field. The 'How do you feel your ability to take care of yourself changed since you left us?' section contains four questions with three response options each: Worse, No Difference, and Better. At the bottom, there are buttons for 'Save Draft', 'Save and Prepare Note', and 'Cancel', along with a note about the current user: Current User: HEATH MICHAEL L.

Figure 47 - Rehabilitation Follow Up Screen

3.3.3. 2 Minute Walk Test

The 2-minute walking test is a useful and reproducible measure of exercise tolerance. It provides a simple, practical guide to everyday disability and does not require expensive apparatus.

The screenshot shows the TBI Instruments > Instrument Associations > 2 MINUTE WALK TEST page. At the top, there is a navigation bar with the U.S. Department of Veterans Affairs logo and links for Reporting and Help. Below the navigation bar, the page title is "TBI INSTRUMENTS > INSTRUMENT ASSOCIATIONS > 2 MINUTE WALK TEST". The main content area starts with a "Patient" section showing "Patient: TBIPATIENT,SHAWN SSN: 666-11-0002". Below this is a "2 Minute Walk Test - Click for Instructions" link. The "2 Minute Walk Test" form begins with fields for "Assistive Device and/or Brace Used" (a text input field) and "Diagnosis" (a list of options including Stroke, Brain Dysfunction (TBI/ABI), Hearing Loss, Visual Impairment, SCI, Amputation, Pain, Orthopedic Conditions, Cardio-pulmonary, Multiple Trauma, Debility, and Other). There is also a "Other Description:" text input field. Below the form are four sets of "Date" and "Distance ambulated in 2 minutes" fields, each with a calendar icon. The first set has a red asterisk next to "Date". At the bottom, there is a "REFERENCES:" section with citations for Butland RJ, Pang J, Gross ER, Woodcock AA, Geddes DM (1982 May 29;284(6329):1607-8); McGavin CR, Gupta SP, McHardy GJ (1976; 3;1(6013):822-3); and Rossiter P, Wade DT (2001;82(1):9-13). At the very bottom are three buttons: "Save Draft", "Save and Prepare Note", and "Cancel".

Figure 48 – 2 Minute Walk Test

3.3.4. L – Test

The L-Test of Functional Mobility incorporates transfers and turns into an assessment of mobility and gait speed. Walk tests provide essential outcome information when assessing ambulation of individuals with lower-limb amputation and a prosthetic device.

The screenshot shows the 'L - Test' section of the TBI Instruments software. At the top, there's a navigation bar with the US Department of Veterans Affairs logo and the text 'UNITED STATES DEPARTMENT OF VETERANS AFFAIRS Traumatic Brain Injury Registry'. Below the logo are links for 'Reporting' and 'Help'. The main title 'TBI INSTRUMENTS > INSTRUMENT ASSOCIATIONS > L - TEST' is displayed in a red header bar. Underneath, it says 'Patient' followed by 'Patient: TBIPATIENT,SHAWN SSN: 666-11-0002'. A link 'L - Test - Click for Instructions' is present. The form fields include:

- Test Date:** A text input field with a calendar icon.
- Diagnosis ***: A list of radio buttons for medical conditions:
 - Stroke
 - Brain Dysfunction (TBI/ABI)
 - Hearing Loss
 - Visual Impairment
 - SCI
 - Amputation
 - Pain
 - Orthopedic Conditions
 - Cardio-pulmonary
 - Multiple Trauma
 - Debility
 - Other
- Other Description:** A text input field.
- Lower extremity amputation**: Radio buttons for 'No' and 'Yes'.
- Assistive device**: Radio buttons for 'No' and 'Yes'.
- Physical Assistance**: Radio buttons for 'Yes (Contact Guarding through any level of assistance)' and 'No (Supervised ambulation through Independent ambulation)'.
- Trial 1: Time**: A text input field with a 'seconds' unit, followed by a dropdown menu with options like 'On'.
- Trial 1: Distance**: A text input field.

Figure 49 – L - Test

3.3.5. Locomotor Capability Index – 5 (LCI – 5)

To assess the reliability, validity, and responsiveness of the Locomotor Capabilities Index (LCI) in people with lower-limb amputation who undergo prosthetic training, the LCI surveys face-to-face interviews.

The screenshot shows the LCI-5 survey interface. At the top, it displays the navigation path: TBI INSTRUMENTS > INSTRUMENT ASSOCIATIONS > LOCOMOTOR CAPABILITY INDEX - 5. Below this, it shows the patient information: Patient: AATB1NEW.THREE SSN: 666-00-9903. The main section is titled "Locomotor Capability Index - 5" with a subtitle: "The Locomotor Capabilities Index for face-to-face interview. Subjects were asked "Whether or not you wear your prosthesis, at the present time, would you say that you are "able" to do the following activities?". It includes a "Test Date" field and a "Diagnosis" section with options like Stroke, Brain Dysfunction (TBI/ABI), Hearing Loss, Visual Impairment, SCI, Amputation, Pain, Orthopedic Conditions, Cardiopulmonary, Multiple Trauma, Debility, and Other. There is also an "Other Description" field. Below this, a note defines the scoring: 0 = No, 1 = Yes, if someone helps me, 2 = Yes, if someone is near me, 3 = Yes Alone with ambulation aids, 4 = Yes Alone without ambulation aids. The "Basic Activities" section lists tasks such as Get up from a chair, Walk in the house, Walk outside on even ground, Go down the stairs with a hand rail, Step up a sidewalk curb, Step down a sidewalk curb, and Go up the stairs with a handrail, each with a row of radio buttons for scores 0, 1, 2, 3, or 4. A "Basic activities score" button and a total score field (/28) are at the bottom. The "Advanced Activities" section lists more tasks like Pick up an object from the floor, Get up from the floor, Walk outside on uneven ground, Walk outside in inclement weather, Go up a few steps, Go down a few steps, and Walk while carrying an object, each with a row of radio buttons for scores 0, 1, 2, 3, or 4. A "Advanced activities score" button and a total score field (/56) are at the bottom. At the very bottom, there are buttons for Save Draft, Save and Prepare Note, and Cancel, along with a current user indicator: Current User: HEATH, MICHAEL L.

Figure 50 – Locomotor Capability Index – 5 (LCI – 5)

This screenshot shows the second part of the LCI-5 survey. It continues the list of advanced activities from the previous part. The tasks include: Pick up an object from the floor (when you are standing with your prosthesis), Get up from the floor (e.g. If you fall), Walk outside on uneven ground (e.g. grass, gravel, slope), Walk outside in inclement weather (e.g. snow, rain, ice), Go up a few steps (stairs) without a handrail, Go down a few steps (stairs) without a handrail, and Walk while carrying an object. Each task has a row of radio buttons for scores 0, 1, 2, 3, or 4. Below these, a "Advanced activities score" button and a total score field (/28) are shown. At the bottom, there are buttons for Save Draft, Save and Prepare Note, and Cancel, along with a current user indicator: Current User: HEATH, MICHAEL L.

Figure 51 - Locomotor Capability Index 5 (Part 2)

3.3.6. Functional Mobility Assessment (FMA)

The Functional Mobility Assessment (FMA) instrument is a self-report outcomes tool designed to measure effectiveness of wheeled mobility and seating (WMS) interventions for PWD. Functional mobility is necessary to perform activities of daily living and for community participation for everyone, but especially important for persons with disabilities (PWD). Therefore, functional mobility requires reliable measurement of consumer satisfaction and functional changes.

TBI INSTRUMENTS > INSTRUMENT ASSOCIATIONS > FUNCTIONAL MOBILITY ASSESSMENT

Patient
Patient: TSPATIENTSHAWN SSN: 666-11-0002

Functional Mobility Assessment

DIRECTIONS:

Step 1. Please answer the following 10 questions by placing an X in the box under the response (completely agree, mostly agree, slightly agree, or the last matches your ability to function while in your current means of mobility i.e., walking cane, crutch, walker, manual wheelchair, power wheelchair or scooter). All examples may not apply to you, and there may be tasks you perform that are not listed. Mark each question only one time. If you answer, "slightly," "mostly," or "completely disagree" for any question, please write and specify the reason for your disagreement in the Comments section. Needs to be validation rule. If answers are disagree in any measure, patient MUST answer comments.

Step 2. Please determine your priorities, by rating the importance of the content in each of the 10 questions in the shaded box to the right of each question. Rate your highest priority as 10, and your lowest priority as 1.

Date of assessment []

Diagnosis *
 Stroke
 Brain Dysfunction (TBI/ABI)
 Hearing Loss
 Visual Impairment
 SCI
 Amputation
 Pain
 Orthopedic Conditions
 Cardio-pulmonary
 Multiple Trauma
 Disability
 Other

Other Description: []

What is your current means of mobility device? *
 Ambulatory devices (cane, crutch, walker)
 Ambulatory devices (orthosis, and/or prosthesis)
 Manual wheelchair

1:44 PM
11/3/2015

Figure 52 – Functional Mobility Assessment (FMA)

3.3.7. OPTIMAL 1.1 Form

The American Physical Therapy Association (APTA) uses the Outpatient Physical Therapy Improvement in Movement Assessment Log (OPTIMAL) as an instrument that measures difficulty and self-confidence in performing 22 movements that a patient/client needs to accomplish in order to do various functional activities. OPTIMAL 1.1 has been updated from the original version to increase clinical utility. This includes adding the clinically relevant item of standing and providing changes to scoring instructions to increase clinical utility. These changes assist patient and physical therapist discussion toward identifying the primary goal for the episode of care.

TBI INSTRUMENTS > INSTRUMENT ASSOCIATIONS > OPTIMAL 1.1

Patient: [REDACTED] SSN: ****9903

Optimal 1.1

Patient Status

Inpatient
 Outpatient

Diagnosis *

Stroke
 Brain Dysfunction (TBI/ABI)
 Hearing Loss
 Visual Impairment
 SCI
 Amputation
 Pain
 Orthopedic Conditions
 Cardio-pulmonary
 Multiple Trauma
 Debility
 Other

Other Description: [REDACTED]

Basic Activities

Employment/Work (Check all that apply)

Working full-time outside of home
 Working part-time outside of home
 Working full-time from home
 Working part-time from home
 Working with modification in job because of current illness/injury
 Not working because of current illness/injury
 Homemaker
 Student
 Retired
 Unemployed
 Occupation

[REDACTED]

Figure 53 - Optimal 1.1 Instrument Screen (Part 1)

Do you use a? (Check all that apply)

Cane
 Walker, rolling walker, or rollator?
 Manual wheelchair?
 Motorized wheelchair?
 Other

[REDACTED]

With whom do you live? (Check all that apply)

None
 Spouse/significant other
 Child/children
 Other relative(s)
 Group setting
 Personal care attendant
 Other

[REDACTED]

Where do you live?

Private home
 Private apartment
 Rented room
 Board and care/assisted living/group home
 Homeless (with or without shelter)
 Long-term care facility (nursing home)
 Hospice
 Other

Baseline Difficulty

Instructions: Please select the level of difficulty you have for each activity today.

1. Lying flat	<input type="radio"/> Able to do without any difficulty	<input type="radio"/> Able to do with little difficulty	<input type="radio"/> Able to do with moderate difficulty	<input type="radio"/> Able to do with much difficulty	<input type="radio"/> Unable to do	<input type="radio"/> Not applicable
2. Rolling over	<input type="radio"/> Able to do without any difficulty	<input type="radio"/> Able to do with little difficulty	<input type="radio"/> Able to do with moderate difficulty	<input type="radio"/> Able to do with much difficulty	<input type="radio"/> Unable to do	<input type="radio"/> Not applicable
3. Moving-lying to sitting	<input type="radio"/> Able to do without any difficulty	<input type="radio"/> Able to do with little difficulty	<input type="radio"/> Able to do with moderate difficulty	<input type="radio"/> Able to do with much difficulty	<input type="radio"/> Unable to do	<input type="radio"/> Not applicable
4. Sitting	<input type="radio"/> Able to do without any difficulty	<input type="radio"/> Able to do with little	<input type="radio"/> Able to do with moderate	<input type="radio"/> Able to do with much	<input type="radio"/> Unable to do	<input type="radio"/> Not applicable

Figure 54 - Optimal 1.1 Instrument Screen (Part 2)

5. Squatting	<input type="radio"/> Able to do without any difficulty	<input type="radio"/> Able to do with little difficulty	<input type="radio"/> Able to do with moderate difficulty	<input type="radio"/> Able to do with much difficulty	<input type="radio"/> Unable to do	<input type="radio"/> Not applicable
6. Bending/stooping	<input type="radio"/> Able to do without any difficulty	<input type="radio"/> Able to do with little difficulty	<input type="radio"/> Able to do with moderate difficulty	<input type="radio"/> Able to do with much difficulty	<input type="radio"/> Unable to do	<input type="radio"/> Not applicable
7. Balancing	<input type="radio"/> Able to do without any difficulty	<input type="radio"/> Able to do with little difficulty	<input type="radio"/> Able to do with moderate difficulty	<input type="radio"/> Able to do with much difficulty	<input type="radio"/> Unable to do	<input type="radio"/> Not applicable
8. Kneeling	<input type="radio"/> Able to do without any difficulty	<input type="radio"/> Able to do with little difficulty	<input type="radio"/> Able to do with moderate difficulty	<input type="radio"/> Able to do with much difficulty	<input type="radio"/> Unable to do	<input type="radio"/> Not applicable
9. Standing	<input type="radio"/> Able to do without any difficulty	<input type="radio"/> Able to do with little difficulty	<input type="radio"/> Able to do with moderate difficulty	<input type="radio"/> Able to do with much difficulty	<input type="radio"/> Unable to do	<input type="radio"/> Not applicable
10. Walking-short distance	<input type="radio"/> Able to do without any difficulty	<input type="radio"/> Able to do with little difficulty	<input type="radio"/> Able to do with moderate difficulty	<input type="radio"/> Able to do with much difficulty	<input type="radio"/> Unable to do	<input type="radio"/> Not applicable
11. Walking-long distance	<input type="radio"/> Able to do without any difficulty	<input type="radio"/> Able to do with little difficulty	<input type="radio"/> Able to do with moderate difficulty	<input type="radio"/> Able to do with much difficulty	<input type="radio"/> Unable to do	<input type="radio"/> Not applicable
12. Walking-outdoors	<input type="radio"/> Able to do without any difficulty	<input type="radio"/> Able to do with little difficulty	<input type="radio"/> Able to do with moderate difficulty	<input type="radio"/> Able to do with much difficulty	<input type="radio"/> Unable to do	<input type="radio"/> Not applicable
13. Climbing stairs	<input type="radio"/> Able to do without any difficulty	<input type="radio"/> Able to do with little difficulty	<input type="radio"/> Able to do with moderate difficulty	<input type="radio"/> Able to do with much difficulty	<input type="radio"/> Unable to do	<input type="radio"/> Not applicable
14. Hopping	<input type="radio"/> Able to do without any difficulty	<input type="radio"/> Able to do with little difficulty	<input type="radio"/> Able to do with moderate difficulty	<input type="radio"/> Able to do with much difficulty	<input type="radio"/> Unable to do	<input type="radio"/> Not applicable
15. Jumping	<input type="radio"/> Able to do without any difficulty	<input type="radio"/> Able to do with little difficulty	<input type="radio"/> Able to do with moderate difficulty	<input type="radio"/> Able to do with much difficulty	<input type="radio"/> Unable to do	<input type="radio"/> Not applicable
16. Running	<input type="radio"/> Able to do without any difficulty	<input type="radio"/> Able to do with little difficulty	<input type="radio"/> Able to do with moderate difficulty	<input type="radio"/> Able to do with much difficulty	<input type="radio"/> Unable to do	<input type="radio"/> Not applicable
17. Pushing	<input type="radio"/> Able to do without any difficulty	<input type="radio"/> Able to do with little difficulty	<input type="radio"/> Able to do with moderate difficulty	<input type="radio"/> Able to do with much difficulty	<input type="radio"/> Unable to do	<input type="radio"/> Not applicable
18. Pulling	<input type="radio"/> Able to do without any difficulty	<input type="radio"/> Able to do with little difficulty	<input type="radio"/> Able to do with moderate difficulty	<input type="radio"/> Able to do with much difficulty	<input type="radio"/> Unable to do	<input type="radio"/> Not applicable

Figure 55 - Optimal 1.1 Instrument Screen (Part 3)

19. Reaching	<input type="radio"/> Able to do without any difficulty	<input type="radio"/> Able to do with little difficulty	<input type="radio"/> Able to do with moderate difficulty	<input type="radio"/> Able to do with much difficulty	<input type="radio"/> Unable to do	<input type="radio"/> Not applicable
20. Grasping	<input type="radio"/> Able to do without any difficulty	<input type="radio"/> Able to do with little difficulty	<input type="radio"/> Able to do with moderate difficulty	<input type="radio"/> Able to do with much difficulty	<input type="radio"/> Unable to do	<input type="radio"/> Not applicable
21. Lifting	<input type="radio"/> Able to do without any difficulty	<input type="radio"/> Able to do with little difficulty	<input type="radio"/> Able to do with moderate difficulty	<input type="radio"/> Able to do with much difficulty	<input type="radio"/> Unable to do	<input type="radio"/> Not applicable
22. Carrying	<input type="radio"/> Able to do without any difficulty	<input type="radio"/> Able to do with little difficulty	<input type="radio"/> Able to do with moderate difficulty	<input type="radio"/> Able to do with much difficulty	<input type="radio"/> Unable to do	<input type="radio"/> Not applicable
<input type="button" value="Difficulty Baseline Score"/> <input type="button" value="Calculate"/> <input type="button" value="Total Score For Difficulty Baseline"/>						
23. From the above list, choose the 3 activities you would most like to be able to do without any difficulty (for example, if you would most like to be able to climb stairs, kneel, and hop without any difficulty, you would choose:						
23a. First PT objective 23b. Second PT objective 23c. Third PT objective <input type="button" value="Select One"/>						
24a. From the list below of three activities, choose the primary activity you would most like to be able to do without any difficulty (for example, if you would most like to be able to climb stairs without any difficulty, you would choose: <input type="button" value="Select One"/>						
<input type="button" value="Save Draft"/> <input type="button" value="Save and Prepare Note"/> <input type="button" value="Cancel"/>						
Copyright © 2012, 2006, 2005 American Physical Therapy Association. All rights reserved. Current User: HEATH MICHAEL L						

Figure 56 - Optimal 1.1 Instrument Screen (Part 4)

3.3.8. OPTIMAL 1.1 Follow Up

The OPTIMAL 1.1 Follow Up instrument is used to collect follow up information in an effort to identify changes from the baseline assessment collected in the OPTIMAL 1.1 instrument.

TBI INSTRUMENTS > INSTRUMENT ASSOCIATIONS > OPTIMAL 1.1 FOLLOW UP

Patient _____ SSN: ****9903

Optimal 1.1 Follow Up

Follow Up Difficulty

Instructions: Please select the level of difficulty you have for each activity today.

1. Lying flat	<input type="radio"/> Able to do without any difficulty	<input type="radio"/> Able to do with little difficulty	<input type="radio"/> Able to do with moderate difficulty	<input type="radio"/> Able to do with much difficulty	<input type="radio"/> Unable to do	<input type="radio"/> Not Applicable
2. Rolling over	<input type="radio"/> Able to do without any difficulty	<input type="radio"/> Able to do with little difficulty	<input type="radio"/> Able to do with moderate difficulty	<input type="radio"/> Able to do with much difficulty	<input type="radio"/> Unable to do	<input type="radio"/> Not Applicable
3. Moving-lying to sitting	<input type="radio"/> Able to do without any difficulty	<input type="radio"/> Able to do with little difficulty	<input type="radio"/> Able to do with moderate difficulty	<input type="radio"/> Able to do with much difficulty	<input type="radio"/> Unable to do	<input type="radio"/> Not Applicable
4. Sitting	<input type="radio"/> Able to do without any difficulty	<input type="radio"/> Able to do with little difficulty	<input type="radio"/> Able to do with moderate difficulty	<input type="radio"/> Able to do with much difficulty	<input type="radio"/> Unable to do	<input type="radio"/> Not Applicable
5. Squatting	<input type="radio"/> Able to do without any difficulty	<input type="radio"/> Able to do with little difficulty	<input type="radio"/> Able to do with moderate difficulty	<input type="radio"/> Able to do with much difficulty	<input type="radio"/> Unable to do	<input type="radio"/> Not Applicable
6. Bending/stooping	<input type="radio"/> Able to do without any difficulty	<input type="radio"/> Able to do with little difficulty	<input type="radio"/> Able to do with moderate difficulty	<input type="radio"/> Able to do with much difficulty	<input type="radio"/> Unable to do	<input type="radio"/> Not Applicable
7. Balancing	<input type="radio"/> Able to do without any difficulty	<input type="radio"/> Able to do with little difficulty	<input type="radio"/> Able to do with moderate difficulty	<input type="radio"/> Able to do with much difficulty	<input type="radio"/> Unable to do	<input type="radio"/> Not Applicable
8. Kneeling	<input type="radio"/> Able to do without any difficulty	<input type="radio"/> Able to do with little difficulty	<input type="radio"/> Able to do with moderate difficulty	<input type="radio"/> Able to do with much difficulty	<input type="radio"/> Unable to do	<input type="radio"/> Not Applicable
9. Standing	<input type="radio"/> Able to do without any difficulty	<input type="radio"/> Able to do with little difficulty	<input type="radio"/> Able to do with moderate difficulty	<input type="radio"/> Able to do with much difficulty	<input type="radio"/> Unable to do	<input type="radio"/> Not Applicable
10. Walking-short distance	<input type="radio"/> Able to do without any difficulty	<input type="radio"/> Able to do with little difficulty	<input type="radio"/> Able to do with moderate difficulty	<input type="radio"/> Able to do with much difficulty	<input type="radio"/> Unable to do	<input type="radio"/> Not Applicable
11. Walking-long distance	<input type="radio"/> Able to do without any difficulty	<input type="radio"/> Able to do with little difficulty	<input type="radio"/> Able to do with moderate difficulty	<input type="radio"/> Able to do with much difficulty	<input type="radio"/> Unable to do	<input type="radio"/> Not Applicable

Figure 57 - OPTIMAL 1.1 Follow Up Screen (Part 1)

12. Walking-outdoors	<input type="radio"/> Able to do without any difficulty	<input type="radio"/> Able to do with little difficulty	<input type="radio"/> Able to do with moderate difficulty	<input type="radio"/> Able to do with much difficulty	<input type="radio"/> Unable to do	<input type="radio"/> Not Applicable
13. Climbing stairs	<input type="radio"/> Able to do without any difficulty	<input type="radio"/> Able to do with little difficulty	<input type="radio"/> Able to do with moderate difficulty	<input type="radio"/> Able to do with much difficulty	<input type="radio"/> Unable to do	<input type="radio"/> Not Applicable
14. Hopping	<input type="radio"/> Able to do without any difficulty	<input type="radio"/> Able to do with little difficulty	<input type="radio"/> Able to do with moderate difficulty	<input type="radio"/> Able to do with much difficulty	<input type="radio"/> Unable to do	<input type="radio"/> Not Applicable
15. Jumping	<input type="radio"/> Able to do without any difficulty	<input type="radio"/> Able to do with little difficulty	<input type="radio"/> Able to do with moderate difficulty	<input type="radio"/> Able to do with much difficulty	<input type="radio"/> Unable to do	<input type="radio"/> Not Applicable
16. Running	<input type="radio"/> Able to do without any difficulty	<input type="radio"/> Able to do with little difficulty	<input type="radio"/> Able to do with moderate difficulty	<input type="radio"/> Able to do with much difficulty	<input type="radio"/> Unable to do	<input type="radio"/> Not Applicable
17. Pushing	<input type="radio"/> Able to do without any difficulty	<input type="radio"/> Able to do with little difficulty	<input type="radio"/> Able to do with moderate difficulty	<input type="radio"/> Able to do with much difficulty	<input type="radio"/> Unable to do	<input type="radio"/> Not Applicable
18. Pulling	<input type="radio"/> Able to do without any difficulty	<input type="radio"/> Able to do with little difficulty	<input type="radio"/> Able to do with moderate difficulty	<input type="radio"/> Able to do with much difficulty	<input type="radio"/> Unable to do	<input type="radio"/> Not Applicable
19. Reaching	<input type="radio"/> Able to do without any difficulty	<input type="radio"/> Able to do with little difficulty	<input type="radio"/> Able to do with moderate difficulty	<input type="radio"/> Able to do with much difficulty	<input type="radio"/> Unable to do	<input type="radio"/> Not Applicable
20. Grasping	<input type="radio"/> Able to do without any difficulty	<input type="radio"/> Able to do with little difficulty	<input type="radio"/> Able to do with moderate difficulty	<input type="radio"/> Able to do with much difficulty	<input type="radio"/> Unable to do	<input type="radio"/> Not Applicable
21. Lifting	<input type="radio"/> Able to do without any difficulty	<input type="radio"/> Able to do with little difficulty	<input type="radio"/> Able to do with moderate difficulty	<input type="radio"/> Able to do with much difficulty	<input type="radio"/> Unable to do	<input type="radio"/> Not Applicable
22. Carrying	<input type="radio"/> Able to do without any difficulty	<input type="radio"/> Able to do with little difficulty	<input type="radio"/> Able to do with moderate difficulty	<input type="radio"/> Able to do with much difficulty	<input type="radio"/> Unable to do	<input type="radio"/> Not Applicable

Difficulty Follow Up Score

Copyright © 2002, 2006, 2005 American Physical Therapy Association. All rights reserved.
Current User: HEATH, MICHAEL L

Total Score For Difficulty Baseline

Figure 58 -OPTIMAL 1.1 Follow Up Screen (Part 2)

3.3.9. Quebec User Evaluation of Satisfaction with Assistive Technology (QUEST)

The Quebec User Evaluation of Satisfaction with Assistive Technology (QUEST) is an outcomes assessment tool designed to measure satisfaction with assistive technology in a structured and standardized way.

 UNITED STATES DEPARTMENT OF VETERANS AFFAIRS
Traumatic Brain Injury Registry

Reporting Help

TBI INSTRUMENTS > INSTRUMENT ASSOCIATIONS > QUEBEC USER EVALUATION OF SATISFACTION WITH ASSISTIVE TECHNOLOGY

Patient
Patient: TBIPATIENT,SHAWN SSN: 666-11-0002

Quebec User Evaluation of Satisfaction with Assistive Technology

The purpose of the QUEST questionnaire is to evaluate how satisfied you are with your assistive device and the related services you experienced. The questionnaire consists of 12 satisfaction items.
 For each of the 12 items, rate your satisfaction with your assistive device and the related services you experienced by using the following scale of 1 to 5:
 1 = "Not satisfied at all"
 2 = "Not very satisfied"
 3 = "More or less satisfied"
 4 = "Quite satisfied"
 5 = "Very satisfied"
 For any item that you were not "very satisfied", please comment in the section comments.

Date of assessment *

Diagnosis *
 Stroke
 Brain Dysfunction (TBI/ABI)
 Hearing Loss
 Visual Impairment
 SCI
 Amputation
 Pain
 Orthopedic Conditions
 Cardio-pulmonary
 Multiple Trauma
 Debility
 Other
 Other Description:

Technology device (describe fully)

Figure 59 – Quebec User Evaluation of Satisfaction with Assistive Technology (QUEST)

3.3.10. VA Low Visual Functioning (LA LV VFQ 20) Survey

The 20-item Veterans Affairs Low Vision Visual Functioning Questionnaire (VA LV VFQ) approximates the measure of persons' visual ability that would be calculated with Rasch analysis and to provide a short form version of the questionnaire for clinical practice and outcomes research.

 UNITED STATES DEPARTMENT OF VETERANS AFFAIRS
Traumatic Brain Injury Registry

Reporting [Help](#)

TBI INSTRUMENTS > INSTRUMENT ASSOCIATIONS > VA Low Vision Visual Functioning (VA LV VFQ 20) Survey

Patient
Patient: TBIPATIENT,SHAWN SSN: 666-11-0002

VA Low Vision Visual Functioning (VA LV VFQ 20) Survey

Select one of the responses listed below to indicate level of difficulty for each activity which pertains the following question: Is it difficult to...?

1 = Impossible
 2 = Extremely Difficult
 3 = Slightly/Moderately Difficult
 4 = Not Difficult
 0 = Unscored - Patient not interested in activity

Date of assessment *

Diagnosis *
 Stroke
 Brain Dysfunction (TBI/ABI)
 Hearing Loss
 Visual Impairment
 SCI
 Amputation
 Pain
 Orthopedic Conditions
 Cardio-pulmonary
 Multiple Trauma
 Debility
 Other

Other Description:

Type of submission * Baseline Follow-Up

BRS Program Type * BRC BROS ILVC ALVC VISOR

Activity	Level of Difficulty
1. Read newspaper or magazine articles *	<input type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4 <input type="radio"/> 0
2. Read mail *	<input type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4 <input type="radio"/> 0

Figure 60 – VA Low Visual Functioning (LA LV VFQ 20) Survey

3.3.11. Neurobehavioral Symptom Inventory (NSI)

The VA uses the Neurobehavioral Symptom Inventory (NSI) to measure postconcussive symptoms in its comprehensive traumatic brain injury (TBI) evaluation.

 UNITED STATES DEPARTMENT OF VETERANS AFFAIRS
Traumatic Brain Injury Registry

Reporting [Help](#)

TBI INSTRUMENTS > INSTRUMENT ASSOCIATIONS > NEUROBEHAVIORAL SYMPTOM INVENTORY

Patient

Patient: TBIPATIENT,SHAWN SSN: 666-11-0002

Neurobehavioral Symptom Inventory

- [Click for Instructions](#)

Date:	<input type="text"/>	<input type="button" value=""/>																				
Diagnosis *																						
<input type="radio"/> Stroke <input type="radio"/> Brain Dysfunction (TBI/ABI) <input type="radio"/> Hearing Loss <input type="radio"/> Visual Impairment <input type="radio"/> SCI <input type="radio"/> Amputation <input type="radio"/> Pain <input type="radio"/> Orthopedic Conditions <input type="radio"/> Cardio-pulmonary <input type="radio"/> Multiple Trauma <input type="radio"/> Debility <input type="radio"/> Other																						
Other Description: <input type="text"/>																						
<table border="1"> <thead> <tr> <th>Symptoms</th> <th>Rating</th> </tr> </thead> <tbody> <tr> <td>1. Feeling Dizzy</td> <td><input type="radio"/> 0 <input type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4</td> </tr> <tr> <td>2. Loss of balance</td> <td><input type="radio"/> 0 <input type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4</td> </tr> <tr> <td>3. Poor coordination, clumsy</td> <td><input type="radio"/> 0 <input type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4</td> </tr> <tr> <td>4. Headaches</td> <td><input type="radio"/> 0 <input type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4</td> </tr> <tr> <td>5. Nausea</td> <td><input type="radio"/> 0 <input type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4</td> </tr> <tr> <td>6. Vision problems, blurring, trouble seeing</td> <td><input type="radio"/> 0 <input type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4</td> </tr> <tr> <td>7. Sensitivity to light</td> <td><input type="radio"/> 0 <input type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4</td> </tr> <tr> <td>8. Hearing difficulty</td> <td><input type="radio"/> 0 <input type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4</td> </tr> <tr> <td>9. Sensitivity to noise</td> <td><input type="radio"/> 0 <input type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4</td> </tr> </tbody> </table>			Symptoms	Rating	1. Feeling Dizzy	<input type="radio"/> 0 <input type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4	2. Loss of balance	<input type="radio"/> 0 <input type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4	3. Poor coordination, clumsy	<input type="radio"/> 0 <input type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4	4. Headaches	<input type="radio"/> 0 <input type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4	5. Nausea	<input type="radio"/> 0 <input type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4	6. Vision problems, blurring, trouble seeing	<input type="radio"/> 0 <input type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4	7. Sensitivity to light	<input type="radio"/> 0 <input type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4	8. Hearing difficulty	<input type="radio"/> 0 <input type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4	9. Sensitivity to noise	<input type="radio"/> 0 <input type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4
Symptoms	Rating																					
1. Feeling Dizzy	<input type="radio"/> 0 <input type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4																					
2. Loss of balance	<input type="radio"/> 0 <input type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4																					
3. Poor coordination, clumsy	<input type="radio"/> 0 <input type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4																					
4. Headaches	<input type="radio"/> 0 <input type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4																					
5. Nausea	<input type="radio"/> 0 <input type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4																					
6. Vision problems, blurring, trouble seeing	<input type="radio"/> 0 <input type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4																					
7. Sensitivity to light	<input type="radio"/> 0 <input type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4																					
8. Hearing difficulty	<input type="radio"/> 0 <input type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4																					
9. Sensitivity to noise	<input type="radio"/> 0 <input type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4																					

Figure 61 - Neurobehavioral Symptom Inventory (NSI)

3.3.12. PROMIS - Pain Interference- Short Form 6a

The PROMIS Pain Interference instrument is used to measure the self-reported consequences of pain on relevant aspects of a person's life. This can include the degree to which pain hampers social, cognitive, emotional, physical, and recreational activities. This instrument includes the diagnosis and rehabilitation therapy provided to the individual.

UNITED STATES DEPARTMENT OF VETERANS AFFAIRS
Traumatic Brain Injury Registry

Analytic Reporting Instrument Reports Help

TBI INSTRUMENTS > INSTRUMENT ASSOCIATIONS > PROMIS - PAIN INTERFERENCE - SHORT FORM 6A

Patient
Patient: [REDACTED] SSN: [REDACTED]-1313

PROMIS - Pain Interference - Short Form 6a

Raw Score: 0

Previous Initial Pain Interference Instrument Dates:

New Instance of Care - Do not add to prior notes
 9/5/2017: 1 Interim Notes, 1 Discharge Note, 1 Follow Up Notes.
 9/18/2017: 1 Interim Notes, 1 Discharge Note, 1 Follow Up Notes.

Note Type:
 Initial Interim Discharge FollowUp

Diagnosis *
 Stroke
 Brain Dysfunction (TBI/ABI)
 Hearing Loss
 Visual Impairment
 SCI
 Amputation
 Pain
 Orthopedic Conditions
 Cardio-pulmonary
 Multiple Trauma
 Debility
 Other

Other Description: [REDACTED]

Rehabilitation Provider *
 Kinesiotherapy
 Occupational Therapy
 Physical Therapy

Figure 62 - PROMIS - Pain Interference - Short Form 6a (Part 1)

Type of Service *
 General Rehabilitation
 Polytrauma
 Amputation
 Wheelchair Clinic
 Blind Rehabilitation
 Other
Other Description: [REDACTED]

PROMIS Item Bank v1.0 - Pain Interference - Short Form 6a
© 2008-2012 PROMIS Health Organization and PROMIS Cooperative Group

Below each item, Please respond to each question or statement by marking one box per row. In the past 7 days...

1. How much did pain interfere with your day to day activities?
 Not at all A little bit Somewhat Quite a bit Very much

2. How much did pain interfere with work around the home?
 Not at all A little bit Somewhat Quite a bit Very much

3. How much did pain interfere with your ability to participate in social activities?
 Not at all A little bit Somewhat Quite a bit Very much

4. How much did pain interfere with your household chores?
 Not at all A little bit Somewhat Quite a bit Very much

5. How much did pain interfere with the things you usually do for fun?
 Not at all A little bit Somewhat Quite a bit Very much

6. How much did pain interfere with your enjoyment of social activities?
 Not at all A little bit Somewhat Quite a bit Very much

Raw Score: 0

[Save Draft](#) [Save and Prepare Note](#) [Cancel](#)

Figure 63 - PROMIS - Pain Interference - Short Form 6a (Part 2)

3.3.13. PROMIS – Upper Extremity - Short Form 7a

The PROMIS Upper Extremity instrument focuses on activities that require use of the upper extremity including shoulder, arm, and hand activities. This instrument includes the diagnosis and rehabilitation therapy provided to the individual.

 UNITED STATES DEPARTMENT OF VETERANS AFFAIRS
Traumatic Brain Injury Registry

Analytic Reporting Instrument Reports Help

TBI INSTRUMENTS > INSTRUMENT ASSOCIATIONS > PROMIS - UPPER EXTREMITY - SHORT FORM 7a

Patient: [redacted] SSN: [redacted]-1313

PROMIS - Upper Extremity - Short Form 7a

Raw Score: 21

Previous Initial Pain Interference Instrument Dates:

New Instance of Care - Do not add to prior notes
 9/5/2017: 1 Interim Notes, 0 Discharge Note, 0 Follow Up Notes.

Note Type:
 Initial Interim Discharge Follow Up Note

Diagnosis *
 Stroke
 Brain Dysfunction (TBI/ABI)
 Hearing Loss
 Visual Impairment
 SCI
 Amputation
 Pain
 Orthopedic Conditions
 Cardio-pulmonary
 Multiple Trauma
 Debility
 Other

Other Description: [redacted]

Rehabilitation Provider *
 Kinesiotherapy
 Occupational Therapy
 Physical Therapy
 Recreational Therapy
 Blind Rehabilitation Specialist
 Speech Language Pathologist
 Other Rehabilitation Provider

Type of Service *
 General Rehabilitation
 Polytrauma
 Amputation
 Wheelchair Clinic
 Blind Rehabilitation
 Other

Figure 64 - PROMIS - Upper Extremity - Short Form 7a (Part 1)

Other Description:

PROMIS Item Bank v2.0 – Upper Extremity – Short Form 7a © 2010-2016 PROMIS Health Organization and PROMIS Cooperative Group

Please respond to each question or statement by marking one box per row.

PF1A1c1 Are you able to carry a heavy object (over 10 pounds / 5 kg)?

Without any difficulty With a little difficulty With some difficulty With much difficulty Unable to do

PF1A3d Are you able to wash your back?

Without any difficulty With a little difficulty With some difficulty With much difficulty Unable to do

PF1A3e Are you able to put on and take off a coat or jacket?

Without any difficulty With a little difficulty With some difficulty With much difficulty Unable to do

PF1B13 Are you able to carry a shopping bag or briefcase?

Without any difficulty With a little difficulty With some difficulty With much difficulty Unable to do

PF1B28c1 Are you able to lift 10 pounds (5 kg) above your shoulder?

Without any difficulty With a little difficulty With some difficulty With much difficulty Unable to do

PF1B34 Are you able to change a light bulb overhead?

Without any difficulty With a little difficulty With some difficulty With much difficulty Unable to do

PF1M16 Are you able to pass a 20-pound (10 kg) turkey or ham to other people at the table?

Without any difficulty With a little difficulty With some difficulty With much difficulty Unable to do

Raw Scores: 0

Save Draft Save and Prepare Note Cancel

If you are unable to finish at this time, or if you just want to save while entering, click Save Draft.

If you are finished with entry, and ready to save and format the note (you will get another chance to review prior to submit), click Save and Prepare Note.

If you want to return to CPAS press the Cancel button. Do not use Internet browser back arrow.

Version 1.0, 2010-2016 PROMIS

Figure 65 - PROMIS - Upper Extremity - Short Form 7a (Part 2)

3.3.14. PROMIS – Physical Function with Mobility Aid

The PROMIS Upper Extremity instrument is used to measure the self-reported physical function of individuals with lower extremity issues that require the use mobility aids such as wheelchairs.. This instrument includes the diagnosis and rehabilitation therapy provided to the individual.

The screenshot shows the TBI Traumatic Brain Injury Registry website. At the top, there is a navigation bar with links for Analytic Reporting, Instrument Reports, and Help. Below the navigation bar, the page title is "TBI INSTRUMENTS > INSTRUMENT ASSOCIATIONS > PROMIS - PHYSICAL FUNCTION WITH MOBILITY AID". The main content area displays the "PROMIS - Physical Function with Mobility Aid" instrument. It includes fields for "Raw Score: 0", "Previous Initial Pain Interference Instrument Dates", and "Note Type" (with options for Initial, Interim, Discharge, and FollowUp, where FollowUp is selected). There is also a "Diagnosis" section with various medical conditions listed as radio button options, and an "Other Description" field. The "Rehabilitation Provider" section lists several therapy types as radio button options.

Figure 66 - PROMIS – Physical Function with Mobility Aid

Type of Service *

- General Rehabilitation
- Polytrauma
- Amputation
- Wheelchair Clinic
- Blind Rehabilitation
- Other

Other Description:

PROMIS SF V1.0 – Physical Function w Mobility Aid © 2008-2012 PROMIS Health Organization and PROMIS Cooperative Group

Please respond to each item by marking one box per row.
The following questions ask about your ability to stand and move with and without support. "Support" means using items such as canes, walking sticks, walkers and leg braces, or other people.

Can you walk 25 feet on a level surface (with or without support)?

Yes No

PFC6 - Are you able to walk a block on flat ground?

<input type="radio"/> Without any difficulty	<input type="radio"/> With a little difficulty	<input type="radio"/> With some difficulty	<input type="radio"/> With much difficulty	<input type="radio"/> Unable to do
--	--	--	--	------------------------------------

PFC29 - Are you able to walk up and down two steps?

<input type="radio"/> Without any difficulty	<input type="radio"/> With a little difficulty	<input type="radio"/> With some difficulty	<input type="radio"/> With much difficulty	<input type="radio"/> Unable to do
--	--	--	--	------------------------------------

PF17 - Are you able to walk more than a mile?

<input type="radio"/> Without any difficulty	<input type="radio"/> With a little difficulty	<input type="radio"/> With some difficulty	<input type="radio"/> With much difficulty	<input type="radio"/> Unable to do
--	--	--	--	------------------------------------

PFAS5 - Are you able to wash and dry your body?

<input type="radio"/> Without any difficulty	<input type="radio"/> With a little difficulty	<input type="radio"/> With some difficulty	<input type="radio"/> With much difficulty	<input type="radio"/> Unable to do
--	--	--	--	------------------------------------

PFC45 - Are you able to get on and off the toilet?

<input type="radio"/> Without any difficulty	<input type="radio"/> With a little difficulty	<input type="radio"/> With some difficulty	<input type="radio"/> With much difficulty	<input type="radio"/> Unable to do
--	--	--	--	------------------------------------

PFC53 - Are you able to get in and out of bed?

<input type="radio"/> Without any difficulty	<input type="radio"/> With a little difficulty	<input type="radio"/> With some difficulty	<input type="radio"/> With much difficulty	<input type="radio"/> Unable to do
--	--	--	--	------------------------------------

Figure 67 - PROMIS – Physical Function with Mobility Aid (Part 2)

PFC55 - Are you able to get in and out of bed?

<input type="radio"/> Without any difficulty	<input type="radio"/> With a little difficulty	<input type="radio"/> With some difficulty	<input type="radio"/> With much difficulty	<input type="radio"/> Unable to do
--	--	--	--	------------------------------------

PFA0 - Are you able to bend down and pick up clothing from the floor?

<input type="radio"/> Without any difficulty	<input type="radio"/> With a little difficulty	<input type="radio"/> With some difficulty	<input type="radio"/> With much difficulty	<input type="radio"/> Unable to do
--	--	--	--	------------------------------------

PFA20 - Are you able to cut your food using eating utensils?

<input type="radio"/> Without any difficulty	<input type="radio"/> With a little difficulty	<input type="radio"/> With some difficulty	<input type="radio"/> With much difficulty	<input type="radio"/> Unable to do
--	--	--	--	------------------------------------

PFA12 - Are you able to push open a heavy door?

<input type="radio"/> Without any difficulty	<input type="radio"/> With a little difficulty	<input type="radio"/> With some difficulty	<input type="radio"/> With much difficulty	<input type="radio"/> Unable to do
--	--	--	--	------------------------------------

PF 23 - Are you able to reach and get down an object (such as a can of soup) from above your head?

<input type="radio"/> Without any difficulty	<input type="radio"/> With a little difficulty	<input type="radio"/> With some difficulty	<input type="radio"/> With much difficulty	<input type="radio"/> Unable to do
--	--	--	--	------------------------------------

PF 53 - Are you able to stand upright briefly without support?

<input type="radio"/> Without any difficulty	<input type="radio"/> With a little difficulty	<input type="radio"/> With some difficulty	<input type="radio"/> With much difficulty	<input type="radio"/> Unable to do
--	--	--	--	------------------------------------

Raw Score: 0

If you are unable to finish at this time, or if you just want to save while editing, click Save Draft.
If you are finished with entry, and ready to save and format the note (you will get another chance to review prior to submit), click Save and Prepare Note.
If you want to return to CPG2 press the Cancel button. Do not use Internet browser back arrow.

Figure 68 - PROMIS – Physical Function with Mobility Aid (Part 3)

3.3.15. Patient Global Impression of Change (PGIC)

The Patient Global Impression of Change (PGIC) in pain intensity is measured on an pain intensity numerical rating scale (PI-NRS), where 0=no pain and 10=worst possible pain, and this chronic pain scale is related to global assessments of change.

UNITED STATES DEPARTMENT OF VETERANS AFFAIRS
Traumatic Brain Injury Registry

Analytic Reporting Instrument Reports Help

TBI INSTRUMENTS > INSTRUMENT ASSOCIATIONS > PATIENT GLOBAL IMPRESSION OF CHANGE

Patient

Patient: AAATBINEW, THREE SSN: 666-00-9903

Patient Global Impression of Change

Date: 

Diagnosis *:

Stroke
 Brain Dysfunction (TBI/ABI)
 Hearing Loss
 Visual Impairment
 SCI
 Amputation
 Pain
 Orthopedic Conditions
 Cardio-pulmonary
 Multiple Trauma
 Debility
 Other

Other Description:

Rehabilitation Provider *:

- Kinesiotherapy
 Occupational Therapy
 Physical Therapy
 Recreational Therapy
 Blind Rehabilitation Specialist
 Speech Language Pathologist
 Other Rehabilitation Provider

Figure 69 – Patient Global Impression of Change (PGIC) (Part 1)

Type of Service *

- General Rehabilitation
- Polytrauma
- Amputation
- Wheelchair Clinic
- Blind Rehabilitation
- Other

Other Description:

Chief Complaint

Since beginning treatment at this clinic, how would you describe the change (if any) in ACTIVITY LIMITATIONS, SYMPTOMS, EMOTIONS, and OVERALL QUALITY OF LIFE, rated to your painful condition?

- No change (or condition has got worse)
- Almost the same, hardly any change at all
- A little better, but no noticeable change
- Somewhat better, but the change has not made a real difference
- Moderately better, and a slight but noticeable change
- Better and a definite improvement that has made a real and worthwhile difference
- A great deal better, and a considerable improvement that has made all the difference

In a similar way, please circle the number below, that matches your degree of change since beginning care at this clinic (0-10 scale with 0 = much better and 10 = much worse)

Much Better	No change						Much Worse			
<input type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4	<input type="radio"/> 5	<input type="radio"/> 6	<input type="radio"/> 7	<input type="radio"/> 8	<input type="radio"/> 9	<input type="radio"/> 10

Current User: HEATH, MICHAEL L

Figure 70 - Patient Global Impression of Change (Part 2)

3.3.16. Satisfaction with Life Scale (SWLS)

The Satisfaction with Life Scale (SLWS) measures the global life satisfaction and the various components of subjective well-being. The SWLS is narrowly focused to assess global life satisfaction and does not tap related constructs such as positive affect or loneliness.

UNITED STATES DEPARTMENT OF VETERANS AFFAIRS
Traumatic Brain Injury Registry

Reporting ? Help

TBI INSTRUMENTS > INSTRUMENT ASSOCIATIONS > SATISFACTION WITH LIFE SCALE

Patient
Patient: TBIPATIENT,SHAWN SSN: 666-11-0002

Satisfaction with Life Scale

Date of assessment:

Type of submission:
 Admission
 Discharge
 Follow-Up

Diagnosis *
 Stroke
 Brain Dysfunction (TBI/ABI)
 Hearing Loss
 Visual Impairment
 SCI
 Amputation
 Pain
 Orthopedic Conditions
 Cardio-pulmonary
 Multiple Trauma
 Debility
 Other

Other Description:

Below are five statements with which you may agree or disagree. Using the 1-7 scale below, indicate your agreement with each item by placing the appropriate number on the line preceding that item. Please be open and honest in your responding. The 7-point scale is as follows:

1 = strongly disagree
2 = disagree
3 = slightly disagree

Figure 71 – Satisfaction with Life Scale (SWLS)

3.3.17. Berg Balance Scale

The Berg Balance Scale is a 14-item objective measure designed to assess static balance and fall risk in adult populations.

The screenshot shows the official seal of the United States Department of Veterans Affairs at the top left. To its right, the text "UNITED STATES DEPARTMENT OF VETERANS AFFAIRS" and "Traumatic Brain Injury Registry" are displayed. Below this, there are navigation links for "Reporting" and "Help". A red header bar contains the text "TBI INSTRUMENTS > INSTRUMENT ASSOCIATIONS > BERG BALANCE SCALE". Underneath this, a patient record is shown with the identifier "Patient: AAATBINEW,ONE" and SSN "666-00-9901". A link "Berg Balance Scale - Click for Instructions" is present. The main form area starts with a field for "Date of assessment *". Below it is a "Diagnosis *" section containing a list of medical conditions with radio buttons: Stroke, Brain Dysfunction (TBI/ABI), Hearing Loss, Visual Impairment, SCI, Amputation, Pain, Orthopedic Conditions, Cardio-pulmonary, Multiple Trauma, Debility, and Other. An "Other Description:" input field follows. The next section, numbered 1, is titled "SITTING TO STANDING *". It includes instructions: "INSTRUCTIONS: Please stand up. Try not to use your hands for support." and five response options: able to stand without using hands and stabilize independently, able to stand independently using hands, able to stand using hands after several tries, needs minimal aid to stand or to stabilize, and needs moderate or maximal assist to stand.

Figure 72 – Berg Balance Scale

3.3.18. Disability Rating Scale (DRS)

The Disability Rating Scale (DRS) is commonly used by TBI rehabilitation facilities to assess a client's general level of functioning in terms of impairment, disability, and handicap. It is an assessment of current level of functioning among clients with traumatic brain injury (TBI) and often guides the establishment of realistic outcome goals for post-acute rehabilitation.

The screenshot shows the official seal of the United States Department of Veterans Affairs at the top left. To its right, the text "UNITED STATES DEPARTMENT OF VETERANS AFFAIRS" and "Traumatic Brain Injury Registry" are displayed. Below the seal, there are two navigation links: "Reporting" and "Help". A red header bar spans across the top, containing the text "TBI INSTRUMENTS > INSTRUMENT ASSOCIATIONS > DISABILITY RATING SCALE". Underneath this, a sub-header indicates "Patient" and provides the patient's information: "Patient: AAATBINEW,ONE SSN: 666-00-9901". A link "Disability Rating Scale - Click for Instructions" is present. The main form area starts with a section for "Date of Rating *". A date input field is followed by a calendar icon. Below it, "Type of Encounter *" is listed with three options: "Admission", "Interim", and "Discharge", with "Admission" being selected. A "Diagnosis *" section follows, listing various medical conditions with radio buttons: Stroke, Brain Dysfunction (TBI/ABI), Hearing Loss, Visual Impairment, SCI, Amputation, Pain, Orthopedic Conditions, Cardio-pulmonary, Multiple Trauma, Debility, and Other. The "Other Description:" field is empty. The next section, "A. EYE OPENING *", includes four options: (0) Spontaneous, (1) To Speech, (2) To Pain, and (3) None. To the right of these options, three definitions are provided in a box: "0-SPONTANEOUS: eyes open with sleep/wake rhythms indicating active arousal mechanisms, does not assume awareness.", "1-TO SPEECH AND/OR SENSORY STIMULATION: a response to any verbal approach, whether spoken or shouted, not necessarily the command to open the eyes. Also, response to touch, mild pressure.", and "2-TO PAIN: tested by a painful stimulus.".

Figure 73 – Disability Rating Scale (DRS)

3.3.19. Participation Assessment with Recombined Tools – Objectives (PART-O)

The Participation Assessment with Recombined Tools-Objective (PART-O, Whiteneck, Dijkers, Heinemann, et al., 2011) is an objective measure of participation, representing functioning at the societal level. The PART-O was developed to examine long-term outcomes and can also be used to evaluate the effectiveness of interventions to improve social/societal functioning. The z-scores can be used to provide the basis for an assessment of progress in post-acute rehabilitation, allowing for an assessment of intra-individual differences in change across domains as well as inter-individual comparisons with the normative groups.

UNITED STATES DEPARTMENT OF VETERANS AFFAIRS
Traumatic Brain Injury Registry

Reporting Help

TBI INSTRUMENTS > INSTRUMENT ASSOCIATIONS > PARTICIPATION ASSESSMENT WITH RECOMBINED TOOLS

Patient
Patient: AAATBINEW,ONE SSN: 666-00-9901

Participation Assessment with Recombined Tools - [Click for Instructions](#)

Diagnosis *

Stroke
 Brain Dysfunction (TBI/ABI)
 Hearing Loss
 Visual Impairment
 SCI
 Amputation
 Pain
 Orthopedic Conditions
 Cardio-pulmonary
 Multiple Trauma
 Debility
 Other

Other Description:

Date of assessment * 

1. In a typical week, how many hours do you spend working for money, whether in a job or self-employed? *

None
 1-4 hours
 5-9 hours
 10-19 hours
 20-34 hours
 35 or more hours

Figure 74– Participation Assessment with Recombined Tools (PART-O) – 1 of 3

6. In a typical week, how many times do you give emotional support to other people, that is, listen to their problems or help them with their troubles? *
- None
 - 1-4 times
 - 5-9 times
 - 10-19 times
 - 20-34 times
 - 35 or more times
 - Don't know/not sure/refused
7. In a typical week, how many times do you use the Internet for communication, such as for e-mail, visiting chat rooms, or instant messaging? *
- None
 - 1-4 times
 - 5-9 times
 - 10-19 times
 - 20-34 times
 - 35 or more times
 - Don't know/not sure/refused
8. In a typical week, how many days do you get out of your house and go somewhere? It could be anywhere - it doesn't have to be anyplace "special"? *
- None
 - 1-2 days
 - 3-4 days
 - 5-6 days
 - 7 days
 - Don't know/not sure/refused
9. In a typical month, how many times do you eat in a restaurant? *
- None
 - 1-4 times
 - 5-9 times
 - 10-19 times
 - 20-34 times
 - 35 or more times
 - Don't know/not sure/refused
10. In a typical month, how many times do you go shopping? Include grocery shopping, as well as shopping for household necessities, or just for fun. *
- None
 - 1-4 times
 - 5-9 times
 - 10-19 times
 - 20-34 times
 - 35 or more times
 - Don't know/not sure/refused
11. In a typical month, how many times do you engage in sports or exercise outside your home? Include activities like running, bowling, going to the gym, swimming, walking for exercise and the like. *
- None
 - 1-4 times
 - 5-9 times
 - 10-19 times
 - 20-34 times
 - 35 or more times
 - Don't know/not sure/refused
12. In a typical month, how many times do you go to the movies? *
- None
 - 1 time
 - 2 times
 - 3 times
 - 4 times
 - 5 or more times
 - Don't know/not sure/refused

Figure 75 – Participation Assessment with Recombined Tools (PART-O) – 2 of 3

13. In a typical month, how many times do you attend sports events in person, as a spectator? *

None
 1 time
 2 times
 3 times
 4 times
 5 or more times
 Don't know/not sure/refused

14. In a typical month, how many times do you attend religious or spiritual services? Include places like churches, temples and mosques. *

None
 1 time
 2 times
 3 times
 4 times
 5 or more times
 Don't know/not sure/refused

15. Do you live with your spouse or significant other? *

No
 Yes
 Don't know/not sure/refused

16. Are you currently involved in an ongoing intimate, that is, romantic or sexual, relationship? *

No
 Yes
 Don't know/not sure/refused

17. [Not including your spouse or significant other], do you have a close friend in whom you confide? *

No
 Yes
 Don't know/not sure/refused

Domain Scores
 Domain Score - Productivity: 5.33
 Domain Score - Social Relations: 4.71
 Domain Score - Out and About: 3.29
 Total Domain Score: 13.33
 PART-O Averaged Total: 4.44
 PART-O Balanced Total: 3.39

Current user: SHELLEY.BRATT

< >

Figure 76 – Participation Assessment with Recombined Tools (PART-O) – 3 of 3

3.3.20. JFK Coma Recovery Scale

The JFK Coma Recovery Scale was initially described by Giacino and colleagues in 1991. The scale was restructured by Giacino and Kalmar and republished in 2004 as the JFK Coma Recovery Scale-Revised (Giacino, Kalmar and Whyte, 2004). The purpose of the scale is to assist with differential diagnosis, prognostic assessment and treatment planning in patients with disorders of consciousness. The scale consists of 23 items that comprise six subscales addressing auditory, visual, motor, oromotor, communication and arousal functions. CRS-R subscales are comprised of hierarchically-arranged items associated with brain stem, subcortical and cortical processes. A recently-published review of behavioral assessment methods completed by European researchers recommended use of the CRS-R as a "new promising tool" for evaluation of consciousness after severe brain injury (Majerus, et al., 2005).

UNITED STATES DEPARTMENT OF VETERANS AFFAIRS
Traumatic Brain Injury Registry

Reporting Help

TBI INSTRUMENTS > INSTRUMENT ASSOCIATIONS > JFK COMA RECOVERY SCALE - REVISED

Patient
Patient: AAATBINEW,ONE **SSN:** 666-00-9901

JFK Coma Recovery Scale - Revised
 - This form should only be used in association with the "CRS-R ADMINISTRATION AND SCORING GUIDELINES" which provide instructions for standardized administration of the scale.

[Click for most recent surveys](#)

Diagnosis *

- Stroke
- Brain Dysfunction (TBI/ABI)
- Hearing Loss
- Visual Impairment
- SCI
- Amputation
- Pain
- Orthopedic Conditions
- Cardio-pulmonary
- Multiple Trauma
- Debility
- Other

Other Description:

Etiology *

Date of Onset *

Date of Admission *

Date *

Week *

AUDITORY FUNCTION SCALE *

- Consistent Movement to Command *
- Reproducible Movement to Command *
- Localization to Sound
- Auditory Startle
- None

VISUAL FUNCTION SCALE *

- Object Recognition *
- Object Localization: Reaching *
- Visual Pursuit *
- Fixation *
- Visual Startle
- None

MOTOR FUNCTION SCALE *

- Functional Object Use **
- Automatic Motor Response *
- Object Manipulation *
- Localization to Noxious Stimulation *
- Flexion Withdraw
- Abnormal Posturing
- None/Flaccid

OROMOTOR/VERBAL FUNCTION SCALE *

- Intelligible Verbalization *
- Vocalization/Oral Movement
- Oral Reflexive Movement
- None

COMMUNICATION SCALE *

- Functional: Accurate **
- Non-Functional: Intentional *
- None

AROUSAL SCALE *

- Attention
- Eye Opening w/o Stimulation
- Eye Opening with Stimulation
- Unarousable

Denotes emergence from MCS**
 Denotes MCS*

TOTAL SCORE: 0

Coma Recovery Scale- Revised (CRS-R)
 Giacino JT, Kalmar K, Whyte J. The JFK Coma Recovery Scale- Revised: Measurement characteristics and diagnostic utility. Arch Phys Med Rehabil 2004;85:2020-2029.
 Copyright © 2004 Used with permission.
 Current User: GREENACRE,JOHN

Figure 77 - JFK Coma Recovery Scale - Revised (CRS-R)

3.3.21. Oswestry Disability

The Oswestry Disability Index (also known as the Oswestry Low Back Pain Disability Questionnaire) is an extremely important tool that researchers and disability evaluators use to measure a patient's permanent functional disability. The test is considered the 'gold standard' of low back functional outcome tools.

 UNITED STATES DEPARTMENT OF VETERANS AFFAIRS
Traumatic Brain Injury Registry

Reporting [Help](#)

TBI INSTRUMENTS > INSTRUMENT ASSOCIATIONS > OSWESTRY LOW BACK PAIN DISABILITY QUESTIONNAIRE

Patient
Patient: AAATBINEW,ONE SSN: 666-00-9901

Oswestry Low Back Pain Disability Questionnaire - [Click for Instructions](#)

Diagnosis *

- Stroke
- Brain Dysfunction (TBI/ABI)
- Hearing Loss
- Visual Impairment
- SCI
- Amputation
- Pain
- Orthopedic Conditions
- Cardio-pulmonary
- Multiple Trauma
- Debility
- Other

Other Description:

Date of assessment * / /

Section 1 - Pain intensity

- I have no pain at the moment
- The pain is very mild at the moment
- The pain is moderate at the moment
- The pain is fairly severe at the moment
- The pain is very severe at the moment
- The pain is the worst imaginable at the moment

Section 2 - Personal care (washing, dressing etc)

- I can look after myself normally without causing extra pain
- I can look after myself normally but it causes extra pain
- It is painful to look after myself and I am slow and careful
- I need some help but manage most of my personal care
- I need help every day in most aspects of self-care
- I do not get dressed, I wash with difficulty and stay in bed

Section 3 - Lifting

- I can lift heavy weights without extra pain
- I can lift heavy weights but it gives extra pain
- Pain prevents me from lifting heavy weights off the floor, but I can manage if they are conveniently placed eg. on a table
- Pain prevents me from lifting heavy weights, but I can manage light to medium weights if they are conveniently positioned
- I can lift very light weights
- I cannot lift or carry anything at all

Section 4 - Walking

- Pain does not prevent me walking any distance
- Pain prevents me from walking more than 2 kilometers
- Pain prevents me from walking more than 1 kilometer
- Pain prevents me from walking more than 500 meters
- I can only walk using a stick or crutches
- I am in bed most of the time

Section 5 - Sitting

- I can sit in any chair as long as I like
- I can only sit in my favorite chair as long as I like
- Pain prevents me sitting more than one hour
- Pain prevents me from sitting more than 30 minutes
- Pain prevents me from sitting more than 10 minutes
- Pain prevents me from sitting at all

Section 6 - Standing

- I can stand as long as I want without extra pain
- I can stand as long as I want but it gives me extra pain
- Pain prevents me from standing for more than 1 hour
- Pain prevents me from standing for more than 30 minutes
- Pain prevents me from standing for more than 10 minutes
- Pain prevents me from standing at all

Section 7 - Sleeping

- My sleep is never disturbed by pain
- My sleep is occasionally disturbed by pain
- Because of pain I have less than 6 hours sleep
- Because of pain I have less than 4 hours sleep
- Because of pain I have less than 2 hours sleep
- Pain prevents me from sleeping at all

Section 8 - Sex life (if applicable)

- My sex life is normal and causes no extra pain
- My sex life is normal but causes some extra pain
- My sex life is nearly normal but is very painful
- My sex life is severely restricted by pain
- My sex life is nearly absent because of pain
- Pain prevents any sex life at all

Section 9 - Social life

- My social life is normal and gives me no extra pain
- My social life is normal but increases the degree of pain
- Pain has no significant effect on my social life apart from limiting my more energetic interests eg, sport
- Pain has restricted my social life and I do not go out as often
- Pain has restricted my social life to my home
- I have no social life because of pain

Section 10 - Travelling

- I can travel anywhere without pain
- I can travel anywhere but it gives me extra pain
- Pain is bad but I manage journeys over two hours
- Pain restricts me to journeys of less than one hour
- Pain restricts me to short necessary journeys under 30 minutes
- Pain prevents me from travelling except to receive treatment

Total Score: **0**
 Total Possible Score: **0**
 Total Calculated Score: **0**

Current User: GREENACRE,JOHN

Figure 78 - Oswestry Low Back Pain Disability Questionnaire – 1 of 2

Section 5 - Sitting

- I can sit in any chair as long as I like
- I can only sit in my favorite chair as long as I like
- Pain prevents me sitting more than one hour
- Pain prevents me from sitting more than 30 minutes
- Pain prevents me from sitting more than 10 minutes
- Pain prevents me from sitting at all

Section 6 - Standing

- I can stand as long as I want without extra pain
- I can stand as long as I want but it gives me extra pain
- Pain prevents me from standing for more than 1 hour
- Pain prevents me from standing for more than 3 minutes
- Pain prevents me from standing for more than 10 minutes
- Pain prevents me from standing at all

Section 7 - Sleeping

- My sleep is never disturbed by pain
- My sleep is occasionally disturbed by pain
- Because of pain I have less than 6 hours sleep
- Because of pain I have less than 4 hours sleep
- Because of pain I have less than 2 hours sleep
- Pain prevents me from sleeping at all

Section 8 - Sex life (if applicable)

- My sex life is normal and causes no extra pain
- My sex life is normal but causes some extra pain
- My sex life is nearly normal but is very painful
- My sex life is severely restricted by pain
- My sex life is nearly absent because of pain
- Pain prevents any sex life at all

Section 9 - Social life

- My social life is normal and gives me no extra pain
- My social life is normal but increases the degree of pain
- Pain has no significant effect on my social life apart from limiting my more energetic interests eg, sport
- Pain has restricted my social life and I do not go out as often
- Pain has restricted my social life to my home
- I have no social life because of pain

Section 10 - Travelling

- I can travel anywhere without pain
- I can travel anywhere but it gives me extra pain
- Pain is bad but I manage journeys over two hours
- Pain restricts me to journeys of less than one hour
- Pain restricts me to short necessary journeys under 30 minutes
- Pain prevents me from travelling except to receive treatment

Total Score: **29**
Total Possible Score: **40**
Total Calculated Score: **72.00%**

Current User: SHELLEY,BRETT < >

Figure 79 – Oswestry Low Back Pain Disability Questionnaire – 2 of 2

3.3.22. Timed Up and Go

Timed Up and Go Dual Task; Timed Up and Go (Cognitive); Timed Up and Go (Motor); Timed Up and Go (Manual). A dual-task dynamic measure for identifying individuals who are at risk for falls.

3.3.23. Generalized Anxiety Disorder Scale (GAD-7)

The 7-item Generalized Anxiety Disorder Scale (GAD-7) is a practical self-report anxiety questionnaire that has been proved valid as a measure of anxiety in the general population. Though designed primarily as a screening and severity measure for generalized anxiety disorder, the GAD-7 also has moderately

good operating characteristics for three other common anxiety disorders – panic disorder, social anxiety disorder, and post-traumatic stress disorder.

The screenshot shows the TBI Instruments > Instrument Associations > Generalized Anxiety Disorder Scale section of the website. It includes fields for Patient (AAATBINEW, ONE) and SSN (666-00-9901). The GAD-7 form displays a list of 10 symptoms for diagnosis, a text input field for other descriptions, a date assessment field, and a section asking about problems over the last 2 weeks. A scroll bar is visible on the right side of the page.

Generalized Anxiety Disorder Scale

Diagnosis *

Stroke
 Brain Dysfunction (TBI/ABI)
 Hearing Loss
 Visual Impairment
 SCI
 Amputation
 Pain
 Orthopedic Conditions
 Cardio-pulmonary
 Multiple Trauma
 Debility
 Other

Other Description:

Date of assessment *

Over the last 2 weeks how often you been bothered by the following problems?

Feeling nervous, anxious or on edge *

Not at all
 Several days
 More than half the days
 Nearly every day

Figure 80 - Generalized Anxiety Disorder Scale (GAD-7)

3.3.24. Post Traumatic Stress Disorder (PTSD) Checklist – Civilian Version (PCL-C)

The PCL-5 is a 20-item self-report measure that assesses the 20 DSM-5 symptoms of PTSD. The PCL-5 has a variety of purposes, including:

- Monitoring symptom change during and after treatment
- Screening individuals for PTSD
- Making a provisional PTSD diagnosis
- The gold standard for diagnosing PTSD is a structured clinical interview such as the Clinician-Administered PTSD Scale (CAPS-5). When necessary, the PCL-5 can be scored to provide a provisional PTSD diagnosis.
- The PCL-5 can be administered in one of three formats:
 - without Criterion A (brief instructions and items only), which is appropriate when trauma exposure is measured by some other method
 - with a brief Criterion A assessment

- with the revised Life Events Checklist for DSM-5 (LEC-5) and extended Criterion A assessment

The screenshot shows a web application for the Traumatic Brain Injury Registry. At the top, there's a navigation bar with the U.S. Department of Veterans Affairs logo, the text "UNITED STATES DEPARTMENT OF VETERANS AFFAIRS", and "Traumatic Brain Injury Registry". Below the logo are links for "Reporting" and "Help". The main title "TBI INSTRUMENTS > INSTRUMENT ASSOCIATIONS > POST TRAUMATIC STRESS DISORDER (PTSD) CHECKLIST - CIVILIAN VERSION" is displayed in a dark header. Underneath, a "Patient" section shows "Patient: AAATBINEW,ONE SSN: 666-00-9901". The main content area is titled "Post Traumatic Stress Disorder (PTSD) Checklist - Civilian Version - [Click for Instructions](#)". It includes a "Diagnosis" section with various medical conditions as options (Stroke, Brain Dysfunction, Hearing Loss, Visual Impairment, SCI, Amputation, Pain, Orthopedic Conditions, Cardio-pulmonary, Multiple Trauma, Debility, Other), each preceded by an empty radio button. Below this is a "Other Description:" input field with a placeholder box. A "Date of assessment" field is shown with a date input box and a calendar icon. The next section, "Over the last 2 weeks how often you been bothered by the following problems?", contains a numbered list item 1: "Repeated, disturbing memories, thoughts, or images of a stressful experience from the past? *", followed by five response options: "Not at all", "A little bit", "Moderately", "Quite a bit", and "Extremely", each with an empty radio button.

Patient
Patient: AAATBINEW,ONE SSN: 666-00-9901

Post Traumatic Stress Disorder (PTSD) Checklist - Civilian Version - [Click for Instructions](#)

Diagnosis *

Stroke

Brain Dysfunction (TBI/ABI)

Hearing Loss

Visual Impairment

SCI

Amputation

Pain

Orthopedic Conditions

Cardio-pulmonary

Multiple Trauma

Debility

Other

Other Description:

Date of assessment *

Over the last 2 weeks how often you been bothered by the following problems?

1. Repeated, disturbing memories, thoughts, or images of a stressful experience from the past? *

Not at all

A little bit

Moderately

Quite a bit

Extremely

Figure 81 – Post Traumatic Stress Disorder (PTSD) Checklist – Civilian Version (PCL-C) – 1 of 3

UNITED STATES DEPARTMENT OF VETERANS AFFAIRS
Traumatic Brain Injury Registry

[Help](#)

TBI INSTRUMENTS > INSTRUMENT ASSOCIATIONS > POST TRAUMATIC STRESS DISORDER (PTSD) CHECKLIST - CIVILIAN VERSION

Patient

Patient: AARSVOLD, FAITH K SSN: 101-01-2294

Post Traumatic Stress Disorder (PTSD) Checklist - Civilian Version - [Click for Instructions](#)

Diagnosis *

- Stroke
- Brain Dysfunction (TBI/ABI)
- Hearing Loss
- Visual Impairment
- SCI
- Amputation
- Pain
- Orthopedic Conditions
- Cardio-pulmonary
- Multiple Trauma
- Debility
- Other

Other Description: Ryan

Date of assessment * [Calendar](#)

Over the last 2 weeks how often you been bothered by the following problems?

1. Repeated, disturbing memories, thoughts, or images of a stressful experience from the past? *

- Not at all
- A little bit
- Moderately
- Quite a bit
- Extremely

2. Repeated, disturbing dreams of a stressful experience from the past? *

- Not at all
- A little bit
- Moderately
- Quite a bit
- Extremely

3. Suddenly acting or feeling as if a stressful experience were happening again (as if you were reliving it)? *

- Not at all
- A little bit
- Moderately
- Quite a bit
- Extremely

Figure 82 – Post Traumatic Stress Disorder (PTSD) Checklist – Civilian Version (PCL-C) – 2 of 3

4. Feeling very upset when something reminded you of a stressful experience from the past? *

Not at all
 A little bit
 Moderately
 Quite a bit
 Extremely

5. Having physical reactions (e.g., heart pounding, trouble breathing, or sweating) when something reminded you of a stressful experience from the past? *

Not at all
 A little bit
 Moderately
 Quite a bit
 Extremely

6. Avoid thinking about or talking about a stressful experience from the past or avoid having feelings related to it? *

Not at all
 A little bit
 Moderately
 Quite a bit
 Extremely

7. Avoid activities or situations because they remind you of a stressful experience from the past? *

Not at all
 A little bit
 Moderately
 Quite a bit
 Extremely

8. Trouble remembering important parts of a stressful experience from the past? *

Not at all
 A little bit
 Moderately
 Quite a bit
 Extremely

9. Loss of interest in things that you used to enjoy? *

Not at all
 A little bit
 Moderately
 Quite a bit
 Extremely

10. Feeling distant or cut off from other people? *

Not at all
 A little bit
 Moderately
 Quite a bit
 Extremely

11. Feeling emotionally numb or being unable to have loving feelings for those close to you? *

Not at all
 A little bit
 Moderately
 Quite a bit
 Extremely

Figure 83 – Post Traumatic Stress Disorder (PTSD) Checklist – Civilian Version (PCL-C) – 3 of 3

12. Feeling as if your future will somehow be cut short? *

Not at all
 A little bit
 Moderately
 Quite a bit
 Extremely

13. Trouble falling or staying asleep? *

Not at all
 A little bit
 Moderately
 Quite a bit
 Extremely

14. Feeling irritable or having angry outbursts? *

Not at all
 A little bit
 Moderately
 Quite a bit
 Extremely

15. Having difficulty concentrating? *

Not at all
 A little bit
 Moderately
 Quite a bit
 Extremely

16. Being "super alert" or watchful on guard? *

Not at all
 A little bit
 Moderately
 Quite a bit
 Extremely

17. Feeling jumpy or easily startled? *

Not at all
 A little bit
 Moderately
 Quite a bit
 Extremely

Total Severity Score: 47

PCL-N for DSM-IV (11/1/94) Weathers, Litz, Huska & Keane National Center for PTSD - Behavioral Science Division.
Current User: SHELLEY.BRETT

Figure 84 – Post Traumatic Stress Disorder (PTSD) Checklist – Civilian Version (PCL-C) – 3 of 3

3.3.25. Patient Health Questionnaire – 9 (PHQ-9)

The Patient Health Questionnaire (PHQ) is a self-administered version of the PRIME-MD diagnostic instrument for common mental disorders. The PHQ-9 is the depression module, which scores each of the 9 DSM-IV criteria as “0” (not at all) to “3” (nearly every day). The PHQ-9 is a nine item depression scale based directly on the diagnostic criteria for major depressive disorder in the Diagnostic and Statistical Manual Fourth Edition (DSM-IV). The PHQ-9 is a powerful tool for assisting primary care clinicians in diagnosing depression as well as selecting and monitoring treatment.

UNITED STATES DEPARTMENT OF VETERANS AFFAIRS
Traumatic Brain Injury Registry

Reporting Help

TBI INSTRUMENTS > INSTRUMENT ASSOCIATIONS > PATIENT HEALTH QUESTIONNAIRE - 9

Patient

Patient: AAATBINEW,ONE SSN: 666-00-9901

Patient Health Questionnaire - 9

Diagnosis *

Stroke
 Brain Dysfunction (TBI/ABI)
 Hearing Loss
 Visual Impairment
 SCI
 Amputation
 Pain
 Orthopedic Conditions
 Cardio-pulmonary
 Multiple Trauma
 Debility
 Other

Other Description:

Date of assessment * 

Over the last 2 weeks how often have you been bothered by any of the following problems?

1. Little interest or pleasure in doing things *

Not at all
 Several days
 More than half the days
 Nearly every day

Figure 85 – Patient Health Questionnaire – 9 (PHQ-9) – 1 of 2

6. Feeling bad about yourself - or that you are a failure or have let yourself or your family down *

Not at all
 Several days
 More than half the days
 Nearly every day

7. Trouble concentrating on things, such as reading the newspaper or watching television *

Not at all
 Several days
 More than half the days
 Nearly every day

8. Moving or speaking so slowly that other people could have noticed? Or the opposite - being so fidgety or restless that you have been moving around a lot more than usual *

Not at all
 Several days
 More than half the days
 Nearly every day

9. Thoughts that you would be better off dead or of hurting yourself in some way *

Not at all
 Several days
 More than half the days
 Nearly every day

Total Score: 18

If you checked off any problems, how difficult have these problems made it for you to do your work, take care of things at home, or get along with other people?

Not difficult at all
 Somewhat difficult
 Very difficult
 Extremely difficult

Developed by Drs. Robert L. Spitzer, Janet B.W. Williams, Kurt Kroenke and colleagues, with an educational grants from Pfizer Inc. No permission required to reproduce, translate, display or distribute.

Current User: SHELLEY/BRETT

Figure 86 – Patient Health Questionnaire - 9 (PHQ-9) - 2 of 2

3.3.26. Supervision Rating Scale (SRS)

The Supervision Rating (SRS) measures the level of supervision that a patient/subject receives from caregivers. The SRS rates level of supervision on a 13-point ordinal scale that can optionally be grouped into five ranked categories (Independent, Overnight Supervision, Part-Time Supervision, Full-Time Indirect Supervision, and Full-Time Direct Supervision). The SRS was designed to be rated by a clinician based on interviews with the subject and an informant who has observed at first hand the level of supervision received by the subject. Scoring is a one-step procedure in which the clinician assigns the rating that is closest to the subject's level. Ratings are based on the level of supervision received, not on how much supervision a subject is judged or predicted to need.

3.3.27. Insomnia Severity Index (ISI)

Seven item questionnaire that is designed to assess the nature, severity, and impact of insomnia and monitor treatment response in adults. It measures severity of sleep onset, sleep maintenance and early morning wakening problems, sleep dissatisfaction, interference of sleep difficulties with daytime functioning, noticeability of sleep problems by others, and distress caused by the sleep difficulties.

UNITED STATES DEPARTMENT OF VETERANS AFFAIRS
Traumatic Brain Injury Registry

Reporting Help

TBI INSTRUMENTS > INSTRUMENT ASSOCIATIONS > INSOMNIA SEVERITY INDEX

Patient
Patient: AAATBINEW,ONE SSN: 666-00-9901

Insomnia Severity Index - [Click for Instructions](#)

Diagnosis *

Stroke
 Brain Dysfunction (TBI/ABI)
 Hearing Loss
 Visual Impairment
 SCI
 Amputation
 Pain
 Orthopedic Conditions
 Cardio-pulmonary
 Multiple Trauma
 Debility
 Other

Other Description:

Date of assessment *

Over the last 2 weeks how often have you been bothered by any of the following problems?

1. Difficulty falling asleep *

None
 Mild
 Moderate
 Severe
 Very Severe

Figure 87 – Insomnia Severity Index (ISI) – 1 of 2

4. How SATISFIED/DISSATISFIED are you with your CURRENT sleep patterns? *

Very Satisfied
 Satisfied
 Moderately Satisfied
 Dissatisfied
 Very Dissatisfied

5. How NOTICEABLE to others do you think your sleep problem is in terms of impairing the quality of your life? *

Not at all Noticeable
 A Little
 Somewhat
 Much
 Very Much Noticeable

6. How WORRIED/DISTRESSED are you about your current sleep problem? *

Not at all Worried
 A Little
 Somewhat
 Much
 Very Much Worried

7. To what extent do you consider your sleep problem to INTERFERE with your daily functioning (e.g. daytime fatigue, mood, ability to function at work/daily chores, concentration, memory, mood, etc.) CURRENTLY? *

Not at all Interfering
 A Little
 Somewhat
 Much
 Very Much Interfering

Total Score: 17

Used via courtesy of www.myhealth.va.gov with permission from Charles M. Morin, Ph.D., Université Laval

Current User: SHELLEY.BRETT < >

Figure 88 – Insomnia Severity Index (ISI) - 2 of 2

3.3.28. Pain Outcomes Questionnaire VA Long Form – Intake

The development of effective pain treatment strategies requires the availability of precise and practical measures of treatment outcomes. The Pain Outcomes Questionnaire (POQ) is a multidimensional treatment outcomes measure consisting of 20 questions that assess specific aspects of pain syndromes. The POQ also provides six functional subcategories which may be of interest to clinicians: Pain, Mobility, Self-Care, Vitality (Energy), Negative Affect (Mood), and Fear of Re-injury. The POQ is an outcomes package consisting of intake, post-treatment, and follow-up questionnaires that was developed to assess several key domains of pain treatment outcomes. The POQ contains six core subscales that assess pain intensity, pain-interference in an activities of daily living (ADLs) and mobility, negative affect, activity diminishment, and pain-related fear.

NOTE: POQ is administered at intake, discharge, and follow up.

The screenshot shows the homepage of the United States Department of Veterans Affairs Traumatic Brain Injury Registry. The top navigation bar includes the Department of Veterans Affairs seal, links for Reporting and Help, and the title "Traumatic Brain Injury Registry". Below this, a red header bar displays the path "TBI INSTRUMENTS > INSTRUMENT ASSOCIATIONS > PAIN OUTCOMES QUESTIONNAIRE VA LONG FORM - INTAKE". A sidebar on the left indicates the user is a "Patient" with ID "AAATBINEW,ONE" and SSN "666-00-9901". The main content area is titled "Pain Outcomes Questionnaire VA Long Form - Intake". It contains a section for "Diagnosis *", listing various medical conditions with radio buttons: Stroke, Brain Dysfunction (TBI/ABI), Hearing Loss, Visual Impairment, SCI, Amputation, Pain, Orthopedic Conditions, Cardio-pulmonary, Multiple Trauma, Debility, and Other. Below this is a text input field for "Other Description". Further down, there are three numbered questions: 1. "Enter today's date *", with a date input field and a calendar icon. 2. "What is your age? *", with a numeric input field followed by "years". 3. "Please indicate your sex *", with radio buttons for male and female.

Pain Outcomes Questionnaire VA Long Form - Intake

Diagnosis *

Stroke
 Brain Dysfunction (TBI/ABI)
 Hearing Loss
 Visual Impairment
 SCI
 Amputation
 Pain
 Orthopedic Conditions
 Cardio-pulmonary
 Multiple Trauma
 Debility
 Other

Other Description:

1 Enter today's date *

2 What is your age? * years

3 Please indicate your sex *
 male
 female

Figure 89 – Pain Outcomes Questionnaire VA Long Form – Intake – 1 of 3

17 Please indicate any other physical illnesses or conditions you may have other than pain (indicate all that apply) *

<input type="radio"/> diabetes	<input type="radio"/> thyroid disease
<input type="radio"/> lung disease	<input type="radio"/> liver disease
<input type="radio"/> kidney disease	<input type="radio"/> seizures
<input type="radio"/> heart disease	<input type="radio"/> other
<input checked="" type="radio"/> high blood pressure	<input type="radio"/> none
<input type="radio"/> cancer	

18 Does your pain interfere with your ability to walk? *

0 1 2 3 4 5 6 7 8 9 10

19 Does your pain interfere with your ability to carry/handle everyday objects such as a bag of groceries or books? *

0 1 2 3 4 5 6 7 8 9 10

20 Does your pain interfere with your ability to climb stairs? *

0 1 2 3 4 5 6 7 8 9 10

21 Does your pain require you to use a cane, walker, wheelchair or other devices? *

0 1 2 3 4 5 6 7 8 9 10

22 Does your pain interfere with your ability to bathe yourself? *

0 1 2 3 4 5 6 7 8 9 10

23 Does your pain interfere with your ability to dress yourself? *

0 1 2 3 4 5 6 7 8 9 10

24 Does your pain interfere with your ability to use the bathroom? *

0 1 2 3 4 5 6 7 8 9 10

25 Does your pain interfere with your ability to manage your personal grooming (for example, combing your hair, brushing your teeth, etc.)? *

0 1 2 3 4 5 6 7 8 9 10

26 Does your pain affect your self-esteem or self-worth? *

0 1 2 3 4 5 6 7 8 9 10

27 How would you rate your physical activity? *

0 1 2 3 4 5 6 7 8 9 10

Figure 90 – Pain Outcomes Questionnaire VA Long Form – Intake – 2 of 3

- 28 How would you rate your overall energy? *
- 0 1 2 3 4 5 6 7 8 9 10
- 29 How would you rate your strength and endurance TODAY? *
- 0 1 2 3 4 5 6 7 8 9 10
- 30 How would you rate your feelings of depression TODAY? *
- 0 1 2 3 4 5 6 7 8 9 10

Figure 91 – Pain Outcomes Questionnaire VA Long Form – Intake – 3 of 3

3.3.29. Pain Outcomes Questionnaire VA Long Form – Discharge

Refer to POQ Intake description above.

3.3.30. Pain Outcomes Questionnaire VA Long Form – Follow-Up

Refer to POQ Intake description above.

3.3.31. World Health Organization - Disability Assessment Schedule (WHODAS 2.0) Interview

The WHO Disability Assessment Schedule (WHODAS 2.0) is a unique practical instrument, based on the International Classification of Functioning, Disability and Health (ICF), that can be used to measure general health and disability levels, including mental and neurological disorders, both at the population level or in clinical practice, in a wide range of cultural settings.

- Generic assessment instrument for health and disability
- Used across all diseases, including mental, neurological and addictive disorders
- Short, simple and easy to administer (5 to 20 minutes)
- Applicable in both clinical and general population settings
- Produces standardized disability levels and profiles
- Applicable across cultures, in all adult populations
- Direct conceptual link to the International Classification of Functioning, Disability and Health (ICF)
- WHODAS 2.0 covers 6 domains:
 - Cognition – understanding & communicating
 - Mobility– moving & getting around
 - Self-care– hygiene, dressing, eating & staying alone
 - Getting along– interacting with other people
 - Life activities– domestic responsibilities, leisure, work & school
 - Participation– joining in community activities

NOTE: WHODAS 2.0 may be administered by interview, self, and proxy.

3.3.32. World Health Organization - Disability Assessment Schedule (WHODAS 2.0) Self

Refer to WHODAS 2.0 Interview description above.

3.3.33. World Health Organization - Disability Assessment Schedule (WHODAS 2.0) PROXY

Refer to WHODAS 2.0 Interview description above.

3.4. Reporting

3.4.1. Rehabilitation and Reintegration Care Plan Report

The Rehabilitation and Reintegration Care Plan Report allows users to generate a report containing the number of Rehabilitation and Reintegration Care Plan surveys that were created for their VHA/District/VISN/Facility based on a specific date range.

NOTE: Date for this report can be obtained for dates beginning from FY 2012 to the present date.

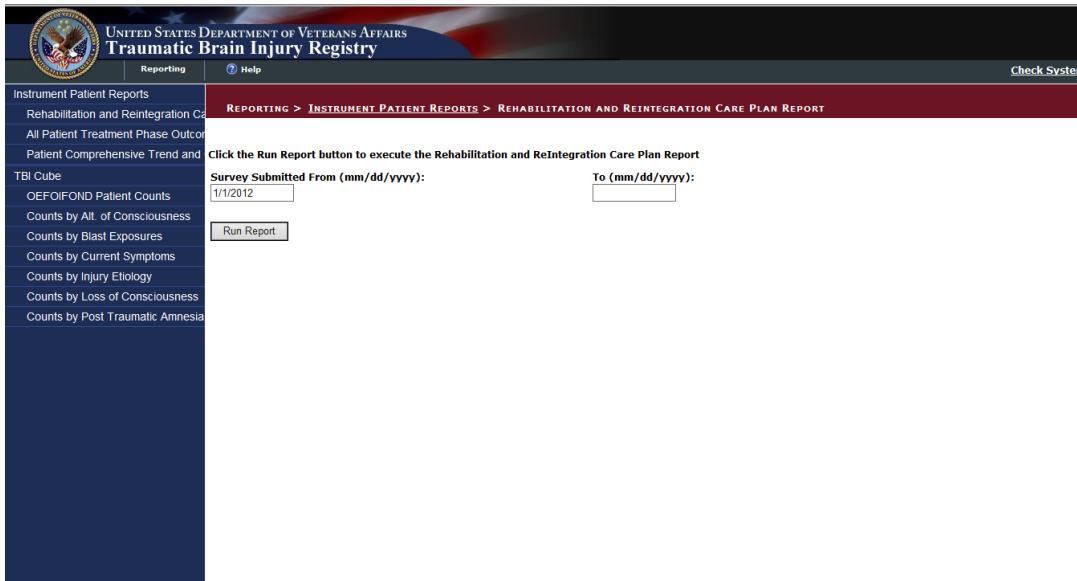


Figure 92 - Rehabilitation and Reintegration Care Plan (Initial Screen)

After specifying the date range, users click the **View Report** button. The report page refreshes to display a summary of the survey information based on their level of access.

Reporting > INSTRUMENT PATIENT REPORTS > REHABILITATION AND REINTEGRATION CARE PLAN REPORT																																											
Click a value in the TOTAL NUMBER OF COMPLETED SURVEYS column to run the Rehabilitation and ReIntegration Care Plan Report																																											
Survey Submitted From (mm/dd/yyyy): 1/1/2012	To (mm/dd/yyyy): 03/17/2018																																										
Rehabilitation and ReIntegration Care Plan Report (Summary Page)																																											
<table border="1"> <thead> <tr> <th>Area of Treatment</th><th>TOTAL NUMBER OF COMPLETED SURVEYS</th></tr> </thead> <tbody> <tr><td>ALASKA VAHSRO</td><td>6</td></tr> <tr><td>ALEDA E. LUTZ VA MEDICAL CENTER</td><td>1</td></tr> <tr><td>ALEXANDRIA VAMC</td><td>67</td></tr> <tr><td>ANN ARBOR VAMC</td><td>2</td></tr> <tr><td>ASHEVILLE VAMC</td><td>1</td></tr> <tr><td>ATLANTA VAMC</td><td>96</td></tr> <tr><td>AUGUSTA VAMC</td><td>29</td></tr> <tr><td>BALTIMORE MD VAMC</td><td>16</td></tr> <tr><td>BATTLE CREEK VA MEDICAL CENTER</td><td>2</td></tr> <tr><td>BAY PINES VA HCS</td><td>18</td></tr> <tr><td>BEDFORD VAMC</td><td>14</td></tr> <tr><td>BIRMINGHAM VAMC</td><td>8</td></tr> <tr><td>BLACK HILLS HEALTH CARE SYSTEM - FT. MEADE DIVISION</td><td>3</td></tr> <tr><td>BOISE VAMC</td><td>4</td></tr> <tr><td>BRONX VA HOSPITAL</td><td>5</td></tr> <tr><td>BUTLER VETERANS AFFAIRS MEDICAL CENTER</td><td>1</td></tr> <tr><td>CENTRAL ALABAMA HEALTH CARE SYSTEM - MONTGOMERY DIVISION</td><td>12</td></tr> <tr><td>CENTRAL ARKANSAS HEALTH CARE SYSTEM - LITTLE ROCK</td><td>5</td></tr> <tr><td>CENTRAL CALIFORNIA HEALTH CARE SYSTEM - FRESNO DIVISION</td><td>1</td></tr> <tr><td>CENTRAL TEXAS HEALTH CARE SYSTEM - TEMPLE DIVISION</td><td>26</td></tr> </tbody> </table>		Area of Treatment	TOTAL NUMBER OF COMPLETED SURVEYS	ALASKA VAHSRO	6	ALEDA E. LUTZ VA MEDICAL CENTER	1	ALEXANDRIA VAMC	67	ANN ARBOR VAMC	2	ASHEVILLE VAMC	1	ATLANTA VAMC	96	AUGUSTA VAMC	29	BALTIMORE MD VAMC	16	BATTLE CREEK VA MEDICAL CENTER	2	BAY PINES VA HCS	18	BEDFORD VAMC	14	BIRMINGHAM VAMC	8	BLACK HILLS HEALTH CARE SYSTEM - FT. MEADE DIVISION	3	BOISE VAMC	4	BRONX VA HOSPITAL	5	BUTLER VETERANS AFFAIRS MEDICAL CENTER	1	CENTRAL ALABAMA HEALTH CARE SYSTEM - MONTGOMERY DIVISION	12	CENTRAL ARKANSAS HEALTH CARE SYSTEM - LITTLE ROCK	5	CENTRAL CALIFORNIA HEALTH CARE SYSTEM - FRESNO DIVISION	1	CENTRAL TEXAS HEALTH CARE SYSTEM - TEMPLE DIVISION	26
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CENTRAL TEXAS HEALTH CARE SYSTEM - TEMPLE DIVISION	26																																										

Figure 93 - Rehabilitation and Reintegration Care Plan Summary

To drill down to the next layer of information, click the number listed in the TOTAL NUMBER OF SURVEYS column. The page refreshes to display the survey information for that District/Facility/VISN.

The screenshot shows a web-based application for the Traumatic Brain Injury Registry. At the top, there's a navigation bar with the U.S. Department of Veterans Affairs logo and the title 'Traumatic Brain Injury Registry'. Below the navigation, a sidebar on the left lists various reporting categories such as 'Instrument Patient Reports', 'TBI Cube', 'OEF/OIF/OND Patient Counts', and 'Counts by All. of Consciousness'. The main content area is titled 'REPORTING > INSTRUMENT PATIENT REPORTS > REHABILITATION AND REINTEGRATION CARE PLAN REPORT'. It includes a note: 'Click a value in the TOTAL NUMBER OF COMPLETED SURVEYS column to run the Rehabilitation and ReIntegration Care Plan Report'. A search bar at the top right has 'Survey Submitted From (mm/dd/yyyy):' set to '1/1/2012' and 'To (mm/dd/yyyy):' set to '03/17/2018'. The main table, titled 'Rehabilitation and ReIntegration Care Plan Report', contains several rows of data. Each row includes columns for Survey ID, Survey Date, Patient First Name, Patient Last Name, Area of Treatment, Note ID, Question Text, and Question Answer. The 'Question Answer' column contains detailed narrative text for each survey entry.

Figure 94 - Rehabilitation and Reintegration Care Plan List of Patients

3.4.2. All Patient Treatment Phase Outcome Report

The All Patient Treatment Phase Outcome Report allows users to generate a report containing M2PI (t score) and all PROMIS forms (total scores).

Users can specify the following report filter criteria:

- Note Submission Date Range—Specify the date range for which you want to generate the report.

NOTE: Date for this report can be obtained for dates beginning from FY 2012 to the present date.

- Survey Type—Select the surveys for which you want to generate the report. The available options include: **Select All**, **MPAI-4 Participaton Index (M2PI)**, **PROMIS – Pain Interference Short – Form 6a**, **PROMIS – Physical Function with Mobility Aid**, and **PROMIS – Upper Extremity – Short Form 7a**
- Note Type—Select the Note types for which you want to generate the report. The available options include: **Select All**, **Initial**, **Interim**, **Discharge**, and **FollowUp**.
- Patient Facility—Select the facilities for which you want to generate the report.

Figure 95 - Patient Treatment Phase Outcome Report (Initial Screen)

After specifying the report filter criteria, users click the **View Report** button. The report page refreshes to display the report results.

Survey ID	Patient First Name	Patient Last Name	Area of Treatment	Survey Date	Note Type	Survey Name	Question Text	Question Answer - Score
111700	ONE	AAATB1NEW	CHEYENNE VAMC	3/29/2017 12:00:00 AM	Discharge	MPAI-4 Participation Index (M2PI)	Raw Score	9
111700	ONE	AAATB1NEW	CHEYENNE VAMC	3/29/2017 12:00:00 AM	Followup	MPAI-4 Participation Index (M2PI)	Raw Score	9
111700	ONE	AAATB1NEW	CHEYENNE VAMC	3/29/2017 12:00:00 AM	Initial	MPAI-4 Participation Index (M2PI)	Raw Score	9
111700	ONE	AAATB1NEW	CHEYENNE VAMC	3/29/2017 12:00:00 AM	Interim	MPAI-4 Participation Index (M2PI)	Raw Score	9
111700	ONE	AAATB1NEW	CHEYENNE VAMC	3/29/2017 12:00:00 AM	Discharge	MPAI-4 Participation Index (M2PI)	T Score	38

Figure 96 - Patient Treatment Phase Outcome Report Results

3.4.3. Patient Comprehensive Trend and Outcomes Report

The Patient Comprehensive Trend and Outcomes Report allows users to generate a report that provides the average change in score related to M2PI (t score) and all PROMIS forms (total scores), since the last reported score based on the report filter options.

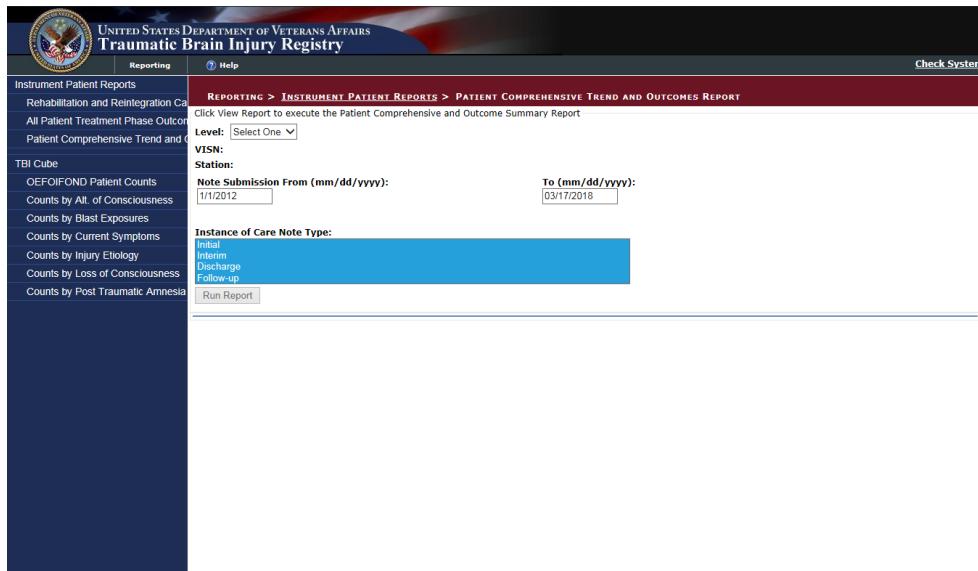


Figure 97 - Patient Comprehensive Trend and Outcomes Report (Initial Screen)

Users can specify the following report filter criteria:

- Note Submitted Date Range—Specify the date range for which you want to generate the report.

NOTE: Date for this report can be obtained for dates beginning from 2012 to the present date.

- Note Type—Select the Note types for which you want to generate the report. The available options include: **Select All**, **Initial**, **Interim**, **Discharge**, and **FollowUp**.
- Select Facility ID—Select the facilities for which you want to generate the report.

After specifying the report filter criteria, users click the **View Report** button. The report page refreshes to display the report results.

Survey ID	Survey Date	Patient First Name	Patient Last Name	Area of Treatment	Note Type	Survey Name	Score Result	Avg Change in Score	Avg Discharge Score per Episode
111700	3/29/2017 12:00:00 AM	ONE	AAATB1NEW	CHEYENNE VAMC	Discharge	MAPI-4 Participation Index (M29)	38	0	23
111700	3/29/2017 12:00:00 AM	ONE	AAATB1NEW	CHEYENNE VAMC	Discharge	MAPI-4 Participation Index (M29)	38	9	23
111700	3/29/2017 12:00:00 AM	ONE	AAATB1NEW	CHEYENNE VAMC	Discharge	MAPI-4 Participation Index (M29)	38	38	23
111700	3/29/2017 12:00:00 AM	ONE	AAATB1NEW	CHEYENNE VAMC	FollowUp	MAPI-4 Participation Index (M29)	38	0	23
111700	3/29/2017 12:00:00 AM	ONE	AAATB1NEW	CHEYENNE VAMC	FollowUp	MAPI-4 Participation Index (M29)	38	9	23

Figure 98 - Patient Comprehensive Trend and Outcome Summary Report Results

3.4.4. Individual Instrument Reports

The questionnaire answers are summarized and displayed on the screen as shown below. Each report will maintain the same format, however, the questions contained in the report will be specific to each summary. The MAPI Summary is used in this example.

Role Type	Initial
Person Reporting	Single Professional
1. Occupation: Problems getting started on activities without prompting	0 None
2. Social contact with friends, work associates, and other people who are not family, significant others, or professionals	0 Normal involvement with others
3. Leisure and recreational activities	0 Normal participation in leisure activities for age
4. Self-care: Eating, dressing, bathing, hygiene	0 Independent completion of self-care activities
5. Residence: Responsibilities of independent living and homemaking (such as meal preparation, home repairs and maintenance, personal health/maintenance beyond basic hygiene including medical management) but not including managing money (see # 6)	0 Independent; living without supervision or concern from others
6. Transportation	0 Independent in all modes of transportation including independent ability to operate a personal motor vehicle
7A. Paid Employment: Rate either item 7A or 7B to reflect the primary desired social role. Do not rate both. Rate 7A if the primary social role is paid employment. If another social role is primary, only 7B. For both 7A and 7B, "support" means special help from another person with responsibilities (such as a job coach or shadow, tutor, helper) or reduced responsibilities. Modifications to the physical environment that facilitate employment are not considered as support.	0 Full-time (more than 20 hrs/wk) without support
7B. Managing Money and Finances-Shopping: Keeping a check book or other bank account, managing personal income and investments	0 Independent; manages money without supervision or concern from others
Standard T-score: 0	

Please review the content. If you need to make changes, click the Cancel button and edit the answers. If the content is correct, click the Submit Note button.

Note: Once the note is submitted, it will no longer be editable in this tool and update will need to be done using CMS.

Figure 99 – Sample Report

If the user wants to make changes to the material, the user should click [**Cancel**] button and re-enter the answers. If the content is correct, the user clicks the [**Submit Note**] button.

Be aware that once the note is submitted, it is no longer editable within the TBI Instruments application and any updates will have to be made within CPRS.

The clinician must sign the note in CPRS.

3.4.5. Analytics Reporting

Analytics reporting for TBI instruments is accessed by clicking the ‘Reporting’ link at the top of the page, clicking this link will take the user to the Traumatic Brain Injury Reporting Dashboard. From there the user will see categories listed on the first level and tabbed reports on the second.



Figure 100 - TBI Reporting Dashboard

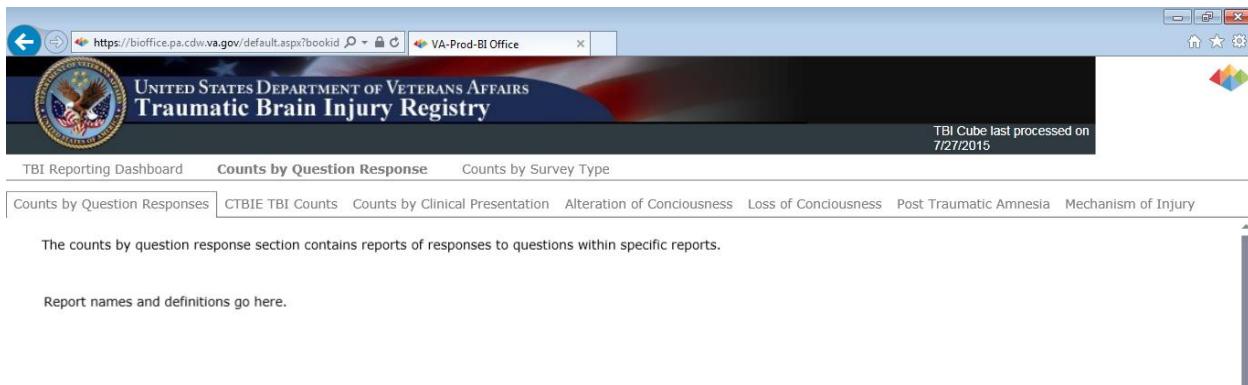


Figure 101 – Counts by Question Response Report Definitions

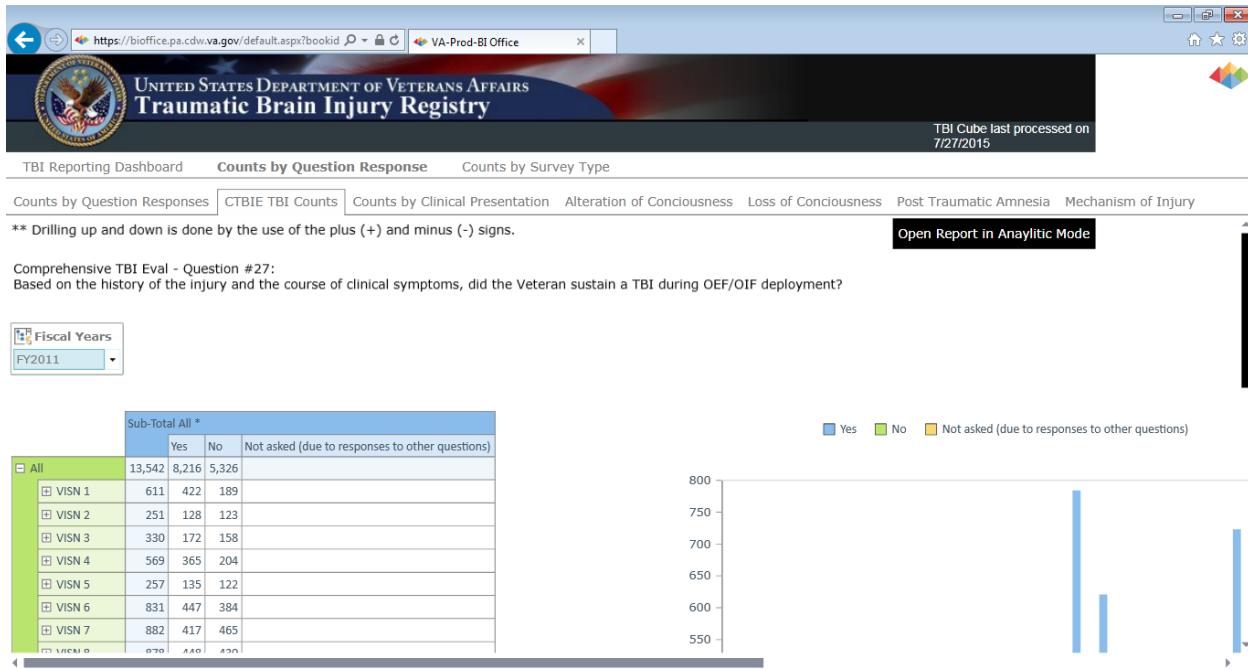


Figure 102 – Comprehensive TBI Exam Counts 1



Figure 103 – Comprehensive TBI Exam Counts 2

TBI Cube last processed on 7/27/2015

TBI Reporting Dashboard Counts by Question Response Counts by Survey Type

Counts by Question Responses CTBIE TBI Counts Counts by Clinical Presentation Alteration of Consciousness Loss of Consciousness Post Traumatic Amnesia Mechanism of Injury

** Drilling up and down is done by the use of the plus (+) and minus (-) signs.

Comprehensive TBI Eval - Question #28:
In your clinical judgment the current clinical symptom presentation is most consistent with:

Institutions	All					
	Sub-Total All *					
	1. Symptom resolution (patient is currently not reporting symptoms)	2. An OEF/OIF deployment related Traumatic Brain Injury (TBI) residual problems.	3. Behavioral Health Conditions (e.g. PTSD, depression, etc.)	4. Other combination of OEF/OIF deployment related TBI and Behavioral Health condition(s)	5. Other condition not related to OEF/OIF deployment related TBI or Behavioral Health condition(s)	Not asked (due to responses to other questions)
All	9,008	626	677	6,475	1,230	
VISN 1	338	19	62	217	40	
VISN 2	156	18	5	116	17	
VISN 3	217	9	42	129	37	

Figure 104 – Counts by Clinical Presentation

The screenshot shows a web-based reporting dashboard for the VA Traumatic Brain Injury Registry. At the top, there's a navigation bar with links for 'TBI Reporting Dashboard', 'Counts by Question Response' (which is selected), and 'Counts by Survey Type'. Below the navigation is a sub-navigation bar with links for 'Counts by Question Responses', 'CTBIE TBI Counts', 'Counts by Clinical Presentation' (selected), 'Alteration of Consciousness', 'Loss of Consciousness', 'Post Traumatic Amnesia', and 'Mechanism of Injury'. A note at the top right says 'TBI Cube last processed on 7/27/2015'. Below the sub-navigation, a message states '** Drilling up and down is done by the use of the plus (+) and minus (-) signs.' and 'Open Report in Analytic Mode'. The main content area displays a table titled 'Counts by Clinical Presentation' for 'ALTERATION OF CONSCIOUSNESS'. The table has columns for 'All' and 'Institutions' (VISN 1, VISN 2, VISN 3, VISN 4). The rows show counts for different levels of alteration: 0 No, 1 Yes, one episode, 2 Yes, two episode, 3 Yes, three episode, 4 Yes, four episode, 5 Yes, five or more episode, Not asked (due to responses to other questions), and Uncertain. The table also includes a 'Fiscal Years' dropdown menu with options for FY2009, FY2010, and FY2011.

		ALTERATION OF CONSCIOUSNESS							
		0 No	1 Yes, one episode	2 Yes, two episode	3 Yes, three episode	4 Yes, four episode	5 Yes, five or more episode	Not asked (due to responses to other questions)	Uncertain
<input type="checkbox"/> All		9,878		6,020	1,960	796	268	834	
<input type="checkbox"/> VISN 1		456		263	100	40	13	40	
<input type="checkbox"/> VISN 2		184		129	33	9	3	10	
<input type="checkbox"/> VISN 3		244		150	36	21	8	29	
<input type="checkbox"/> VISN 4		401		220	99	33	14	35	

Figure 105 – Alteration of Consciousness Counts

This screenshot shows the same reporting dashboard as Figure 104, but the 'Counts by Clinical Presentation' tab is not selected; instead, the 'Loss of Consciousness' tab is selected. The sub-navigation bar and the 'ALTERATION OF CONSCIOUSNESS' table are identical to Figure 104. The main content area now displays a table titled 'Counts by Clinical Presentation' for 'LOSS OF CONSCIOUSNESS'. The table structure is the same as the one in Figure 104, with columns for 'All' and 'Institutions' (VISN 1, VISN 2, VISN 3, VISN 4) and rows for different levels of loss of consciousness. The table also includes a 'Fiscal Years' dropdown menu with options for FY2009, FY2010, and FY2011.

		LOSS OF CONSCIOUSNESS							
		0 No	1 Yes, one episode	2 Yes, two episode	3 Yes, three episode	4 Yes, four episode	5 Yes, five or more episode	6 Uncertain	Missing
<input type="checkbox"/> All		5,237		4,068	778	219	50	122	
<input type="checkbox"/> VISN 1		237		187	33	9	2	6	
<input type="checkbox"/> VISN 2		119		90	18	9	1	1	
<input type="checkbox"/> VISN 3		114		86	18	6	1	3	
<input type="checkbox"/> VISN 4		241		185	38	10	2	6	

Figure 106 – Loss of Consciousness Counts

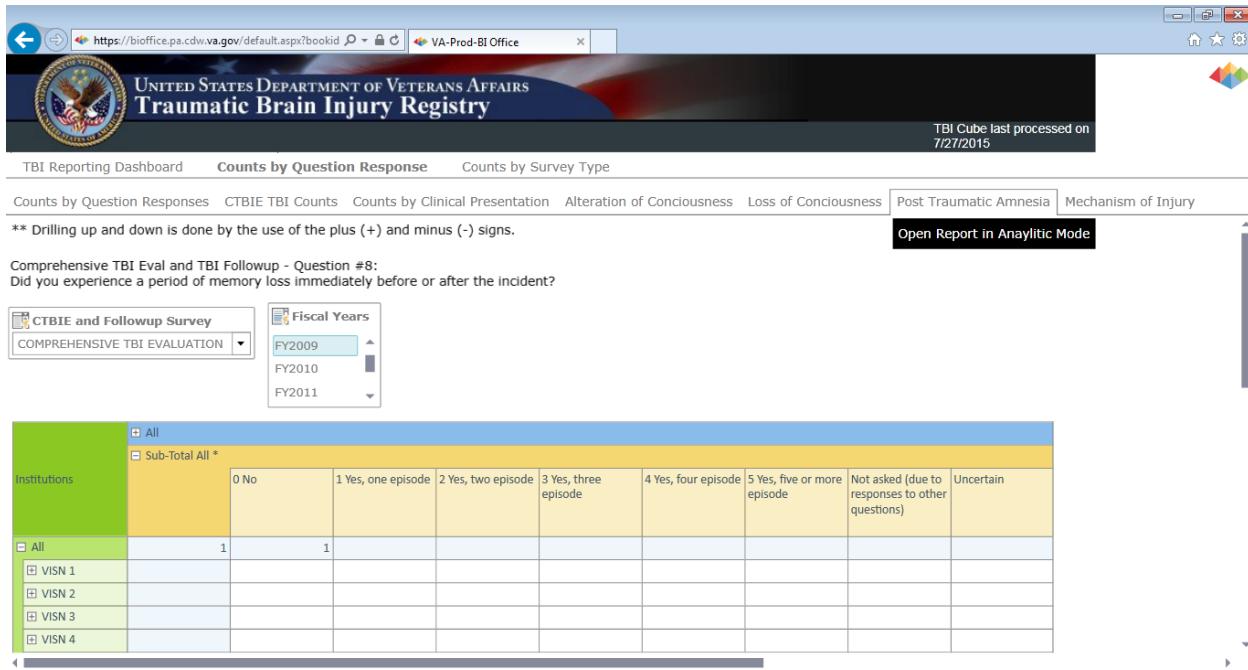


Figure 107 – Post Traumatic Amnesia Counts

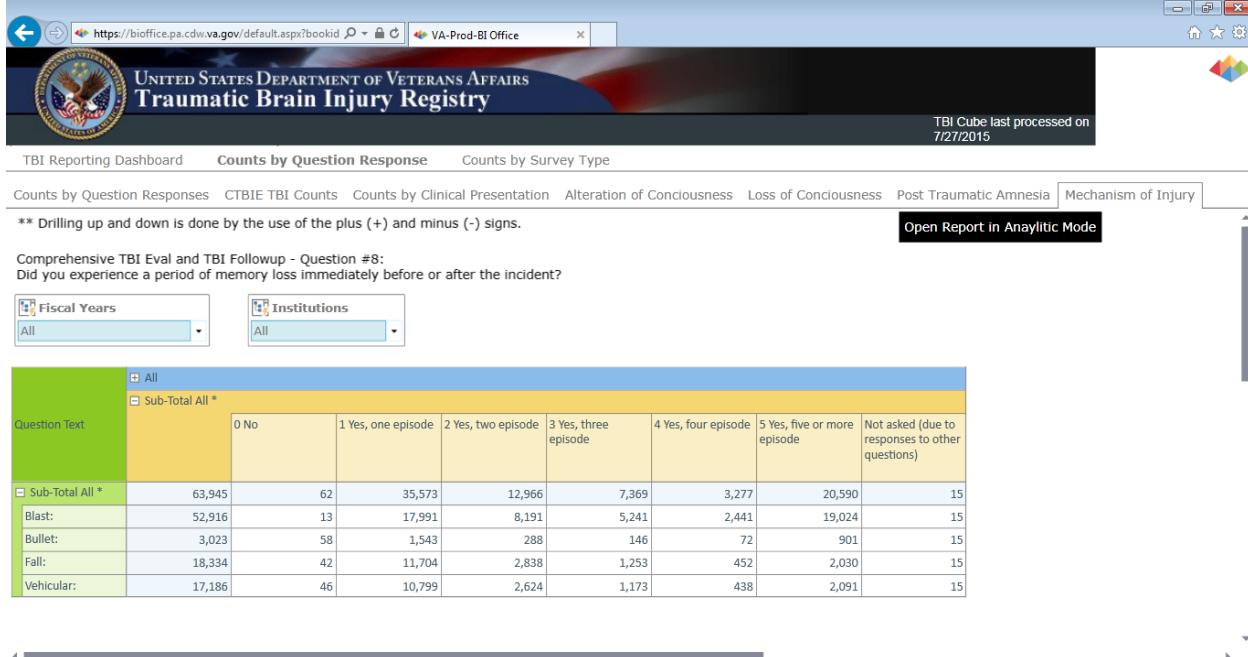


Figure 108 – Mechanism of Injury Counts

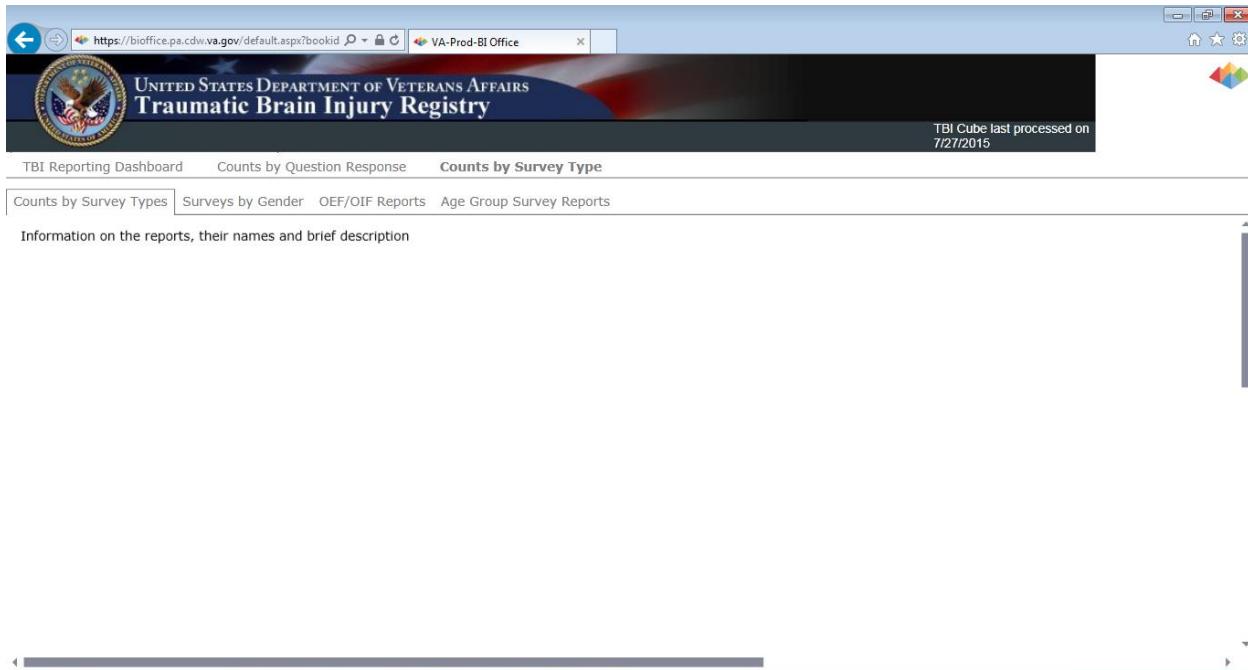


Figure 109 – Counts by Survey Type Report Definitions

A screenshot of a web browser displaying the same TBI Registry website. The title bar and header are identical to Figure 109. The main content area now displays a table titled 'Surveys by Gender'. The table has three columns: 'Survey Name' (dropdown menu showing 'COMPREHENSIVE TBI EVALUATION'), 'Fiscal Years' (dropdown menu showing 'All'), and 'Gender' (columns for 'All', 'Female', 'Male', and 'Unknown'). The 'All' row shows totals: 73,794 (All), 4,258 (Female), 69,535 (Male), and 1 (Unknown). Below this are rows for VISN 1 through VISN 10, each with its own count for each gender category. A note at the top left says '** Drilling up and down is done by the use of the plus (+) and minus (-) signs.' A button at the top right says 'Open Report in Analytic Mode'.

Figure 110 – Surveys by Gender Counts

https://bioffice.pa.cdw.va.gov/default.aspx?bookid=0 < VA-Prod-BI Office X

UNITED STATES DEPARTMENT OF VETERANS AFFAIRS
Traumatic Brain Injury Registry

TBI Cube last processed on 7/27/2015

TBI Reporting Dashboard Counts by Question Response Counts by Survey Type

Counts by Survey Types Surveys by Gender OEF/OIF Reports Age Group Survey Reports

** Drilling up and down is done by the use of the plus (+) and minus (-) signs.

Open Report in Analytic Mode

Survey Name: COMPREHENSIVE TBI EVALUATION

Fiscal Years: FY2008

Sub-Total All *							
	FY2008 Q1		FY2008 Q2		FY2008 Q3		
All	All	All	All	All	All		
All	14,419			150	3,668	178	4,065
Sub-Total VISN 1 *	274			1	49	5	110
(V01) (650) PROVIDENCE VAMC	71			1	27	2	18
(V01) (523) BOSTON HCS (523)	95				13		35
(V01) (689) CONNECTICUT HCS (689)	108				9	3	57
VISN 2	266			1	32	3	90
VISN 3	603			10	181	16	169
VISN 4	783			5	279	7	221
VISN 5	248			2	18	7	64

Figure 111 – OEF/OIF Counts

https://bioffice.pa.cdw.va.gov/default.aspx?bookid=0 < VA-Prod-BI Office X

UNITED STATES DEPARTMENT OF VETERANS AFFAIRS
Traumatic Brain Injury Registry

TBI Cube last processed on 7/27/2015

TBI Reporting Dashboard Counts by Question Response Counts by Survey Type

Counts by Survey Types Surveys by Gender OEF/OIF Reports Age Group Survey Reports

** Drilling up and down is done by the use of the plus (+) and minus (-) signs.

Open Report in Analytic Mode

Survey Name: COMPREHENSIVE TBI EVALUATION

Fiscal Years: All

All															
<25	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-84	85+		
All	73,794	14,632	25,846	11,380	7,182	6,825	4,413	2,051	915	460	68	13	2	3	4
VISN 1	2,716	593	915	383	250	252	157	102	42	19	2	1			
VISN 2	1,634	413	600	239	132	123	76	25	14	12					
VISN 3	2,325	543	828	370	183	167	115	60	28	28	3				
VISN 4	3,251	746	1,130	471	334	258	165	82	39	18	3	1		2	2
VISN 5	1,495	246	503	246	129	168	119	55	18	9	2				
VISN 6	3,919	670	1,189	597	445	511	328	121	44	14					
VISN 7	4,437	586	1,238	713	516	641	444	183	83	27	4	2			
VISN 8	4,478	681	1,367	708	449	466	406	227	116	50	8				
VISN 9	4,874	879	1,534	779	562	558	352	126	57	24	1	1		1	
VISN 10	2,332	608	925	330	184	132	91	30	23	8	1				

Figure 112 – Surveys by Age Group Counts

A. Business Rules

Certain answer to certain questions, or combination of questions, in the questionnaire skip questions and “jump” to other sections of the evaluation. This section details those questions and their effects on the Comprehensive TBI Evaluation and TBI Follow-up Evaluation Instrument.

A.1. Comprehensive TBI Evaluation Business Rules

[Table 3](#) lists the effect each answer on the Comprehensive TBI Evaluation.

Table 3 – Comprehensive TBI Evaluation Business Rules

Rule	Description	Related Rules
CTE BR#1	Answering Yes to Question A skips all questions until question #27. Then answering No to question #27 produces no error messages and any other data entered for this instrument is presented in the draft note.	<ol style="list-style-type: none">For Question A: Was this evaluation furnished by a non-VA provider, e.g., fee basis? Answer Yes.Question #27: Are the history of the injury and the course of clinical symptoms consistent with a diagnosis of TBI sustained during OEF/OIF deployment? Answer No.
CTE BR#2	Answering Yes to Question A skips all questions until #27. Then answering Yes to Question #27 produces no error messages and any other data entered for this instrument is presented in the draft note.	<ol style="list-style-type: none">For Question A: Was this evaluation furnished by a non-VA provider, e.g., fee basis? Answer Yes.Question #27. Are the history of the injury and the course of clinical symptoms consistent with a diagnosis of TBI sustained during OEF/OIF deployment?Enter Yes for Question #27.
CTE BR#3	Answering No to Question A and selecting None for Question #4 will skip questions: 4-A-1, 4-A-2, 4-B-1, 4-B-2, 4-C-1, 4-C-2, 5-A, 5-B, 5-C, 5-D, 5-D-1, 5-D-1-a, 5-D-2, 5-D-3, 5-D-4, 5-D-5, 5-E, 6, 6-A, 7, 7-A, 8, 8-A, 9, 10, 11, 12, 12-A, 13.	<ol style="list-style-type: none">For Question A: Was this evaluation furnished by a non-VA provider, e.g., fee basis? Answer No.For Question #4: How many serious OEF/OIF deployment related injuries have occurred? Answer None.The system skips questions: 4-A-1, 4-A-2, 4-B-1, 4-B-2, 4-C-1, 4-C-2, 5-A, 5-B, 5-C, 5-D, 5-D-1, 5-D-1-a, 5-D-2, 5-D-3, 5-D-4, 5-D-5, 5-E, 6, 6-A, 7, 7-A, 8, 8-A, 9, 10, 11, 12, 12-A, 13Answering Yes in this scenario produces the following message: In question #4, your response indicates this patient did not experience an OEF/OIF deployment related injury. Based on this response, this patient would not have suffered an OEF/OIF deployment related TBI. If your response to question #4 is not correct, and this patient did experience an OEF/OIF deployment related injury, please make the appropriate correction to question #4, and you will then be permitted to indicate the patient suffered a TBI during OEF/OIF

Rule	Description	Related Rules
CTE BR#4	Answering No to Question A and selecting One for Question #4 will skip questions 4-B-1, 4-B-2, 4-C-1, 4-C-2.	<p>deployment.</p> <p>8. For question A: Was this evaluation furnished by a non-VA provider, e.g., fee basis? Answer No.</p> <p>9. For Question #4: How many serious OEF/OIF deployment related injuries have occurred? Answer One.</p> <p>10. The result is:</p> <ul style="list-style-type: none"> a. The Year allowed is 2001 to current. b. The system skips questions: 4-B-1, 4-B-2, 4-C-1, 4-C-2
CTE BR#5	Answering No to question A and selecting One for question #4 will skip questions 4-C-1, 4-C-2.	<p>11. For Question A: Was this evaluation furnished by a non-VA provider, e.g., fee basis? Answer No.</p> <p>12. For Question #4: How many serious OEF/OIF deployment related injuries have occurred? Answer Two.</p> <p>13. The result is:</p> <ul style="list-style-type: none"> a. The Year allowed is 2001 to current. b. The system skips questions: 4-C-1, 4-C-2 c. If you answered Question #4 with Three, you will be allowed to go to 4-C-1 and 4-C-2 and the Year allowed is 2001 to current.
CTE BR#6	Answering No to Question A and Enter/confirm there is something other than 0.No. Then answering No for question 4, and No for question 5-D will skip questions 5-D-1, 5-D-1-a, 5-D-2, 5-D-3, 5-D-4, 5-D-5.	<p>14. For Question A: Was this evaluation furnished by a non-VA provider, e.g., fee basis? Answer No.</p> <p>15. Enter or confirm the answer for Question for is something other than "0. No".</p> <p>16. For question #5-D. Blast: Answer No.</p> <p>17. The result is:</p> <ul style="list-style-type: none"> a. The system skips questions: 5-D-1, 5-D-1-a, 5-D-2, 5-D-3, 5-D-4, 5-D-5. b. Answering No on 5-D moves you to question 5-E.
CTE BR#7	Answering No to Question A and Question #6, will skip question 6-A.	<p>18. For Question A: Was this evaluation furnished by a non-VA provider, e.g., fee basis? Answer No.</p> <p>19. For Question #6: Did you lose consciousness immediately after any of these experiences? Answer No.</p> <p>20. The system will skip 6-A</p>
CTE BR#8	Answering No to Question A and answering Uncertain to Question #6, will skip Question 6-A.	<p>21. For Question A: Was this evaluation furnished by a non-VA provider, e.g., fee basis? Answer No.</p> <p>22. For Question #6: Did you lose</p>

Rule	Description	Related Rules
		consciousness immediately after any of these experiences? Answer Uncertain. 23. The system will skip question 6-A.
CTE BR#9	Answering No to Question A and Question #7 will skip question 7-A.	24. For Question A: Was this evaluation furnished by a non-VA provider, e.g., fee basis? Answer No. 25. For Question #7: Did you have a period of disorientation or confusion immediately following the incident? Answer No. 26. The system will skip question 7-A.
CTE BR#10	Answering No to Question A and answering Uncertain to Question #6, will skip Question 7-A.	27. For question A: Was this evaluation furnished by a non-VA provider, e.g., fee basis? Answer No. 28. For Question #7: Did you have a period of disorientation or confusion immediately following the incident? Answer Uncertain. 29. The system will skip question 7-A.
CTE BR#12	Answering No to Question A and answering Uncertain to Question #8, will skip Question 8-A.	30. For question A: Was this evaluation furnished by a non-VA provider, e.g., fee basis? Answer No. 31. For Question #8: Did you experience a period of memory loss immediately before or after the incident? Answer Uncertain. 32. The system will skip Question 8-A.
CTE BR#13	Answering No to Question A and Question #12, will skip question 12-A.	33. For Question A: Was this evaluation furnished by a non-VA provider, e.g., fee basis? Answer No. 34. For Question #12: Prior to this evaluation, had you received any professional treatment (including medications) for your deployment related TBI symptoms? Answer No. 35. The system will skip question 12-A.
CTE BR#14	Answering No to question A and Not at all to Question #17, will skip question 17-A.	36. For Question A: Was this evaluation furnished by a non-VA provider, e.g., fee basis? Answer No. 37. For Question 17: Overall, in the last 30 days how much did these difficulties (symptoms) interfere with your life? Answer Not at all. 38. The system will skip question 17-A.
CTE BR#15	Answering No to Questions A and #18, will skip questions 18-A, 18-B, 18-C.	39. For Question A: Was this evaluation furnished by a non-VA provider, e.g., fee basis? Answer No. 40. For Question 18. In the last 30 days, have you had any problems with pain? Answer No. 41. The system will skip questions 18-A, 18-B, 18-C.

Rule	Description	Related Rules
CTE BR#16	Answering No to Question A and Not at all to Question #18-B, will skip question 18-C.	<p>42. For question A: Was this evaluation furnished by a non-VA provider, e.g., fee basis? Answer No.</p> <p>43. For Question 18-B. In the last 30 days, how much did pain interfere with your life? Answer Not at all.</p> <p>44. The system will skip question 18-C</p>
CTE BR#17	Answering No to Question A and Not at all to Question #23, will skip Question 23-A.	<p>45. For question A: Was this evaluation furnished by a non-VA provider, e.g., fee basis? Answer No.</p> <p>46. For question 23. Psychiatric Symptoms: Answer Not at all.</p> <p>47. The system will skip question 23-A.</p>
CTE BR#18	Answering No to Question A and select something that does not equal Other condition not related to OEF/OIF deployment related TBI or Behavioral Health conditions(s) for Question #28, will skip Question 28-A.	<p>48. For question A: Was this evaluation furnished by a non-VA provider, e.g., fee basis? Answer No.</p> <p>49. For Question 28: In your clinical judgment the current clinical symptom presentation is most consistent with: Answer anything other than Other condition not related to OEF/OIF deployment related TBI or Behavioral Health conditions(s).</p> <p>50. The system will skip question 28-A.</p>
CTE BR#19	Answering No to Question A and Services will be provided outside VA. to Question #29, will skip questions 29-A, 29-B, 29-C, 29-D, 29-D-1, 29-E, 29-F, 29-G, 29-H, 29-I, 29-I-1, 30.	<p>51. For question A. Was this evaluation furnished by a non-VA provider, e.g., fee basis? Answer No.</p> <p>52. For Question 29. Follow up plan: Answer Services will be provided outside VA.</p> <p>53. The system will skip questions 29-A, 29-B, 29-C, 29-D, 29-D-1, 29-E, 29-F, 29-G, 29-H, 29-I, 29-I-1, 30.</p>
CTE BR#20	Answering No to Question A No services needed to question #29, will skip questions 29-A, 29-B, 29-C, 29-D, 29-D-1, 29-E, 29-F, 29-G, 29-H, 29-I, 29-I-1, 30.	<p>54. For Question A: Was this evaluation furnished by a non-VA provider, e.g., fee basis? Answer No.</p> <p>55. For Question 29. Follow up plan: Answer No services needed.</p> <p>56. The system will skip questions 29-A, 29-B, 29-C, 29-D, 29-D-1, 29-E, 29-F, 29-G, 29-H, 29-I, 29-I-1, 30.</p>
CTE BR#21	Answering No to Question A and Patient refused or not interested in further services to question #29, will skip questions 29-A, 29-B, 29-C, 29-D, 29-D-1, 29-E, 29-F, 29-G, 29-H, 29-I, 29-I-1, 30.	<p>57. For Question A: Was this evaluation furnished by a non-VA provider, e.g., fee basis? Answer No.</p> <p>58. For Question 29. Follow up plan: Answer Patient refused or not interested in further services.</p> <p>59. The system will skip question 29-A, 29-B, 29-C, 29-D, 29-D-1, 29-E, 29-F, 29-G, 29-H, 29-I, 29-I-1, 30.</p>

Rule	Description	Related Rules
CTE BR#22	Answering No to Question A and answering something other than Other for Question #29-I, will skip question 29-I-1.	<p>60. For Question A. Was this evaluation furnished by a non-VA provider, e.g., fee basis? Answer No.</p> <p>61. For Question 29-I. New medication trial or change in dose of existing medication to address the following symptoms: Answer something other than Other.</p> <p>62. The system will skip question 29-I-1.</p>

A.2. TBI Follow-up Evaluation Instrument Business Rules

[Table 4](#) lists the effect each answer on the TBI Follow-up Evaluation Instrument

Table 4 – TBI Evaluation Instrument Business Rules

Rule	Description	Related Rules
TFA BR#1	Answering No to Question #4 will skip Questions 4-A, 4-B, 5-A, 5-B, 5-C, 5-D, 5-D-1, 5-D-1-A, 5-D-2, 5-D-3, 5-D-4, 5-D-5, 5-E, 6, 6-A, 7, 7-A, 8, 8-A, 9, 10, 10-A.	63. For Question 4: Experienced head injury since prior evaluation? Answer No. 64. The system will skip questions 4-A, 4-B, 5-A, 5-B, 5-C, 5-D, 5-D-1, 5-D-1-A, 5-D-2, 5-D-3, 5-D-4, 5-D-5, 5-E, 6, 6-A, 7, 7-A, 8, 8-A, 9, 10, 10-A
TFA BR#2	Answering No to Question #5-D will skip Questions 5-D-1, 5-D-1-A, 5-D-2, 5-D-3, 5-D-4, 5-D-5	65. For question 5-D. "Blast:" Answer No. 66. The system will skip of questions 5-D-1, 5-D-1-A, 5-D-2, 5-D-3, 5-D-4, 5-D-5.
TFA BR#3	Answering No to Question #6 will skip questions 6-A.	67. For question 6: Did you lose consciousness immediately after any of these experiences? Answer No. 68. The system will skip Question 6-A
TFA BR#4	Answering Uncertain to Question #6 will skip Question 6-A.	69. For question 6: Did you lose consciousness immediately after any of these experiences? Answer Uncertain. 70. The system will skip Question 6-A
TFA BR#5	Answering No to Question #7 will skip Question 7-A.	71. For question 7: Did you have a period of disorientation or confusion immediately following the incident? Answer No. 72. The system will skip question 7-A.
TFA BR#6	Answering Uncertain to Question #7 will skip Question 7-A.	73. For question 7: Did you have a period of disorientation or confusion immediately following the incident? Answer Uncertain. 74. The system will skip question 7-A
TFA BR#7	Answering No to Question #8 will skip Question 8-A.	75. For question 8: Did you experience a period of memory loss immediately before or after the incident? Answer No. 76. The system will skip question 8-A
TFA BR#8	Answering Uncertain to Question #8 will skip Question 8-A.	77. For question 8: Did you experience a period of memory loss immediately before or after the incident? Answer Uncertain. 78. The system will skip question 8-A.
TFA BR#9	Answering No to Question #10 will skip Questions 10-A.	79. For question 10: If you have had a new injury, have you seen any health care providers (doctors/therapists) as a result of the new head injury? Answer No. 80. The system will skip question 10-A

Rule	Description	Related Rules
TFA BR#10	Answering Uncertain to Question #8 will skip Question 8-A.	<p>81. For question 8: Did you experience a period of memory loss immediately before or after the incident? Answer Uncertain.</p> <p>82. The system will skip question 8-A</p>
TFA BR#11	<p>Answering anything other than Other to Question #20-A will skip Question 20-A-1.</p> <p>Answer Other on Question #20-A, Question 20-A-1 will appear.</p>	<p>83. For Question 20-A, answer anything other than "Other". The system will skip Question 20-A-1.</p> <p>84. For Question 20-A, answer "Other". Question 20-A-1 appears.</p>
TFA BR#12	Answering No to Question #13 will skip Questions 13-A, 13-B	<p>85. For Question 13: In the last 30 days, have you had any problems with pain? Answer No.</p> <p>86. The system will skip questions 13-A, 13-B</p>

B. Glossary

Glossary

A	B	C	D	E	F	G	H	I	J	K	L	M
N	O	P	Q	R	S	T	U	V	W	X		
0-9												

Control-click character to see entries; missing character means no entries for that character.

Term or Acronym	Description
0 - 9	
508	See Section 508

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Term or Acronym	Description
A	
ABI	Acquired Brain Injury

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Term or Acronym	Description
B	
browser	A program which allows a person to read hypertext . The browser provides some means of viewing the contents of nodes (or "pages") and of navigating from one node to another. A browser is required in order to access the TBI software application. Microsoft® Internet Explorer® and Firefox® are examples for browsers for the World-Wide Web. They act as clients to remote web servers.

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Term or Acronym	Description
C	
Case	The collection of information maintained on patients that have been included in a registry.
Computerized Patient Record System (CPRS)	A Computerized Patient Record (CPR) is a comprehensive database system used to store and access patients' healthcare information. CPRS is the Department of Veterans Affairs electronic health record software. The CPRS organizes and presents all relevant data on a patient in a way that directly supports clinical decision making. This data includes medical history and conditions, problems and diagnoses, diagnostic and therapeutic procedures and interventions. Both a graphic user interface version and a character-based interface version are available. CPRS

Term or Acronym	Description
	provides a single interface for health care providers to review and update a patient's medical record, and to place orders, including medications, special procedures, x-rays, patient care nursing orders, diets, and laboratory tests. CPRS is flexible enough to be implemented in a wide variety of settings for a broad spectrum of health care workers, and provides a consistent, event-driven, Windows-style interface.
CPRS	See Computerized Patient Record System
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Term or Acronym	Description
	D
Department of Defense (DoD)	A department of the U.S. Federal government, charged with ensuring that the military capacity of the U.S. is adequate to safeguard the national security.
DoD	See Department of Defense
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Term or Acronym	Description
	E
BACK	to Glossary Contents

Term or Acronym	Description
	F
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Term or Acronym	Description
	G
Global War On Terror (GWOT)	<i>Obsolete term</i> ; see Overseas Contingency Operation
GWOT	Global War On Terror (<i>obsolete term</i> ; see Overseas Contingency Operation).
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Term or Acronym	Description
	H
BACK	to Glossary Contents

Term or Acronym	Description
	I
BACK	to Glossary Contents

Term or Acronym	Description
	J
BACK	to Glossary Contents

Term or Acronym	Description
	K
BACK	to Glossary Contents

Term or Acronym	Description
	L
BACK	to Glossary Contents

Term or Acronym	Description
	M
MAPI	Mayo-Portland Adaptability Inventory
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Term or Acronym	Description
	N
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Term or Acronym	Description
	O
OCO	See Overseas Contingency Operation
OEF/OIF	Operation Enduring Freedom/Operation Iraqi Freedom
OPCS	See Patient Care Services
OIT	Office of Information Technology

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Term or Acronym	Description
	P
Patient Care Services (PCS), Office of	OPCS oversees VHA's clinical programs that support and improve Veterans' health care. The VA's broad approach to Veteran care incorporates expert knowledge, clinical practice and patient care guidelines in all aspects of care.

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Term or Acronym	Description
	Q

Term or Acronym	Description
	R

Registry

The VHA Registries Program supports the population-specific data needs of the enterprise including (but not limited to) the Defense/Veterans Eye Injury Registry, Oncology Tumor Registry, Traumatic Brain Injury Registry, Embedded Fragment Registry and Eye Trauma Registry.

Also, a database containing a collection of data relating to a disease or condition.

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Term or Acronym	Description
	S
Section 508	Section 508 of the Rehabilitation Act as amended, 29 U.S.C. Section 794(d) , requires that when Federal agencies develop, procure, maintain, or use electronic and information technology, they shall ensure that this technology is accessible to people with disabilities. Agencies must ensure that this technology is accessible to employees and members of the public with disabilities to the extent it does not pose an "undue burden." Section 508 speaks to various means for disseminating information, including computers, software, and electronic office equipment. The TBI must be 508 compliant, able to extract data as needed including SNOMED codes.
Surveillance	Systematic collection, analysis, and interpretation of health data about a disease or condition.
Systematized Nomenclature of Medicine (SNOMED)	SNOMED is a terminology that originated as the systematized nomenclature of pathology (SNOP) in the early 1960s under the guidance of the College of American Pathologists. In the late 1970s, the concept was expanded to include most medical domains and renamed SNOMED. The core content includes text files such as the concepts, Descriptions, relationships, ICD-9 mappings, and history tables. SNOMED represents a terminological resource that can be implemented in software applications to represent clinically relevant information comprehensive (>350,000 concepts) multi-disciplinary coverage but discipline neutral structured to support

Term or Acronym	Description
	data entry, retrieval, maps, etc.
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Term or Acronym	Description
	T
TBI	See Traumatic Brain Injuries
Traumatic Brain Injuries (TBI)	The Traumatic Brain Injuries (TBI) Registry software application allows case managers to identify those Veterans who participated in Operation Enduring Freedom (OEF) or Operation Iraqi Freedom (OIF) and who sustained a head injury and thus are potential traumatic brain injury (TBI) patients. The TBI application permits the case manager to oversee and track the comprehensive evaluation of those patients. It also provides 17 types of reports used for tracking the evaluation and care of individuals identified as possible TBI candidates.
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Term or Acronym	Description
	U
Uniform Resource Locator (URL)	(Formerly <u>Universal</u> Resource Locator). A standard way of specifying the location of an object, typically a web page, on the Internet. URLs are the form of address used on the World-Wide Web. In TBI the URL is typically a Web page which displays another application screen.
URL	See Uniform Resource Locator
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Term or Acronym	Description
	V
VA	See Veterans Affairs
Veterans Affairs, Department of (VA)	The VA mission is to serve America's Veterans and their families with dignity and compassion and to be their principal advocate in ensuring that they receive medical care, benefits, social support, and lasting memorials promoting the health, welfare, and dignity of all Veterans in recognition of their service to this Nation. VA is the second largest Federal department and has over 278,000 employees. Among the many professions represented in the vast VA workforce are physicians, nurses, counselors, statisticians, architects, computer specialists, and attorneys. As advocates for Veterans and their families, the VA community is committed to providing the very best services with an attitude of caring and courtesy.
Veterans Health Administration (VHA)	VHA administers the United States Veterans Healthcare System, whose mission is to serve the needs of America's Veterans by providing primary care, specialized care, and related medical and social support services.
Veterans Health Information Systems and Technology	VistA is a comprehensive, integrated health care information system composed of numerous software modules. See http://www.va.gov/VistA_monograph/docs/2008VistAHealthVet_Monograph.pdf

Term or Acronym	Description
Architecture (VistA)	and http://www.virec.research.va.gov/DataSourcesName/VISTA/VISTA.htm .
Veterans Integrated Service Network (VISN)	VHA organizes its local facilities into networks called VISNS (VA Integrated Service Networks). At the VISN level, VistA data from multiple local facilities may be combined into a data warehouse.
VHA	See Veterans Health Administration
VistA	See Veterans Health Information Systems and Technology Architecture

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Term or Acronym	Description
	W
WBA	See Web-Based Application
Web-based Application (WBA)	In software engineering, a web application is an application that is accessed via a web browser over a network such as the Internet or an intranet. The term may also mean a computer software application that is hosted in a browser-controlled environment (e.g. a Java applet) or coded in a browser-supported language (such as JavaScript, possibly combined with a browser-rendered markup language like HTML) and reliant on a common Web browser to render the application executable. Web applications are popular due to the ready availability of web browsers, and the convenience of using a web browser as a client, sometimes called a thin client. The ability to update and maintain web applications without distributing and installing software on potentially thousands of client computers is a key reason for their popularity, as is the inherent support for cross-platform compatibility. Common web applications include webmail, online retail sales, online auctions, wikis and many other functions. The TBI is a WBA. See also User Interface

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Term or Acronym	Description
	X

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C. Web Based Application Elements

The following sections describe typical WBA elements.

Text Box

The appearance of the text boxes change from a plain line border (**SAMPLE 1**) to an almost three-dimensional, pale yellow-highlighted field when you tab to it or click in it (**SAMPLE 2**).



Figure 113 - Text Box Sample 1



Figure 114 - Text Box Sample 2

Type your entry into the text box. The entry will not be saved until you tab away from or otherwise exit from the text box. In cases where the format of your entry is important, a sample will appear near the box. The relative width of these boxes is usually a reflection of the number of characters you are allowed to enter. Sometimes (as with date fields) there may also be a “date picker” next to the field.

You should see a “tool tip” pop up when you hover your mouse pointer over the text box.

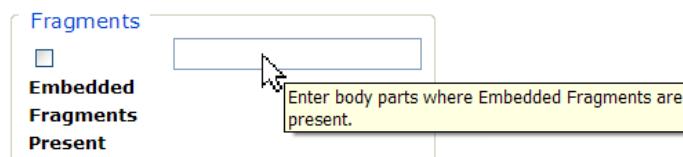


Figure 115 – Tool Tip for Text Box

Checkbox

SAMPLE: Work Related

A checkbox “toggles” (changes) between a YES / NO, ON / OFF setting. It is typically a square box which can contain a check mark or an “X” and is usually accompanied by text. Clicking the box or tabbing to the field and pressing the spacebar toggles the checkbox setting. In some instances, checkboxes may be used to provide more than one choice; in such cases, more than one box can be selected. Sometimes, a pre-determined “default” entry will be made for you in a checkbox; you can change the default if needed.

Radio Button

Living
Arrangement: Alone Family Friend Facility Other

SAMPLE:

A radio button, also known as an option button, is a small, hollow circle adjacent to text. Radio buttons usually appear in sets, with each button representing a single choice; normally, only one button in the set may be selected at any one time. Clicking on the radio button places a solid dot in the circle, selecting the option. Clicking a selected radio button de-selects it, removing the dot. As one radio button is selected, others within the category switch off. For example, Male or Female may be offered as choices through two radio buttons, but you can only select one of the choices.

Command Buttons

Command Buttons	Description
 	A command button initiates an action. It is a rectangular “3-dimensional” shape with a label that specifies what action will be performed when the button is clicked. Common examples are shown at left. Command buttons that end with three dots indicate that selecting the command may evoke a subsidiary window. In the text of this document, command button names appear inside square brackets. <i>Examples: [Search], [Save].</i>
	The [Cancel] command allows you to cancel the action about to be taken, or to discard changes made on a form. For example, when closing an application, you may be prompted to validate the action to close. If you click the [Cancel] button, the application will not close and you will resume from the point at which the close action was initiated. Or, on a data screen, you may use the [Cancel] button to discard any changes you may have made to the data and close the tab.
	The [Select] command is used to select records for editing.
	The [Search] command is used to find one or more records. When at least one character is typed in a lookup dialog box, clicking the [Search] button will bring up matching entries. In many cases, leaving the lookup box blank will find all such records. Enter the search string and click [Search]. Searches are case-insensitive and use “contains” logic.
	The [OK] command is used to accept a default choice, or to agree with performing an action.

Drop-down List

A drop-down list (sometimes called a “pull-down” list) is displayed as a box with an arrow button on the right side (**SAMPLE 1**). Such a list allows you to select one item from the list. The current choice (or a prompt) is visible in a small rectangle; when you click on the arrow, a list of items is revealed (**SAMPLE 2**). Click on one of the entries to make it your choice; the list disappears.

Facility Name: =====Please select institution=====

Figure 116 - Dropdown Sample 1

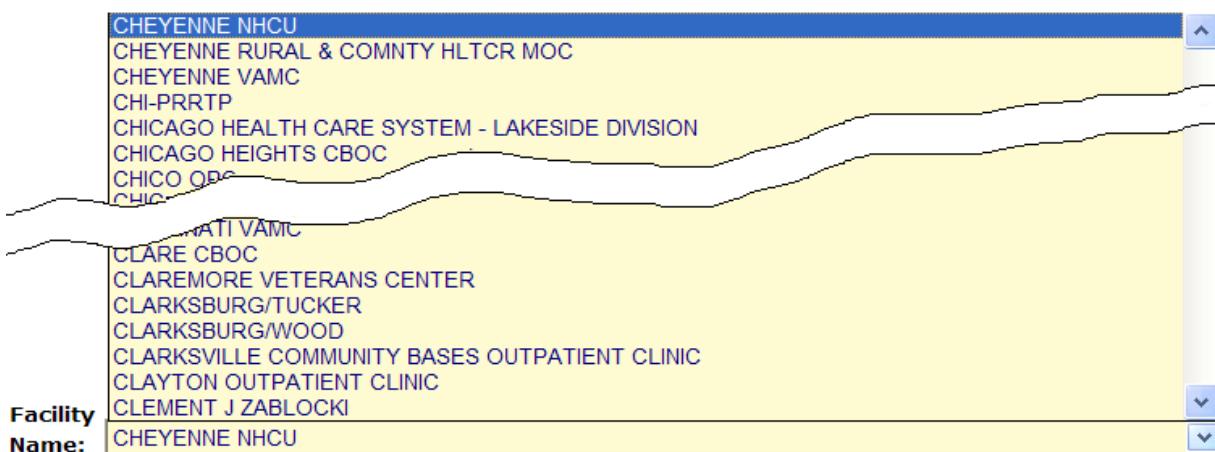


Figure 117 - Dropdown Sample 2