

2.1 TRAUMATIC BRAIN INJURY (TBI) DOMAINS OF FUNCTIONING SCALES

Directions for Use: It is recommended that the information required to complete each domain be collected from semi-structured interviews, observation and relevant medical information that typically is included in the medical facility "discharge summary". The tool is to be used to determine initial and ongoing functioning in various domains that may be impacted by a TBI and affect learning. It is recommended that a minimum of two raters complete the scale.

Level of Concern Rating Scale:

0 = Little or no impairment

1 = Mild Level of Impairment

2 = Moderate Level of Impairment

3 = High Level of Impairment

Name: _____ **DOB:** _____ **Age:** _____ **Age at TBI:** _____

Purpose of Rating **First Post TBI Rating** **Second Post TBI Rating** **Other** _____

Name of Person Completing Rating: _____ **Title** _____

Background Information Related to TBI:

Was there a period of unconsciousness (brief or otherwise) at time of accident? Yes No If yes, how long _____

Student Glasgow coma score immediately following accident: _____

Was the student in a Coma? Yes No If Yes, how long before considered "minimally conscious"? _____

If student was in a coma, approximate length of time before recovery of "full consciousness"? _____

Approximate time period of "Retrograde Amnesia" (period prior to accident where first memory is recalled)? _____

The order of the Domains:

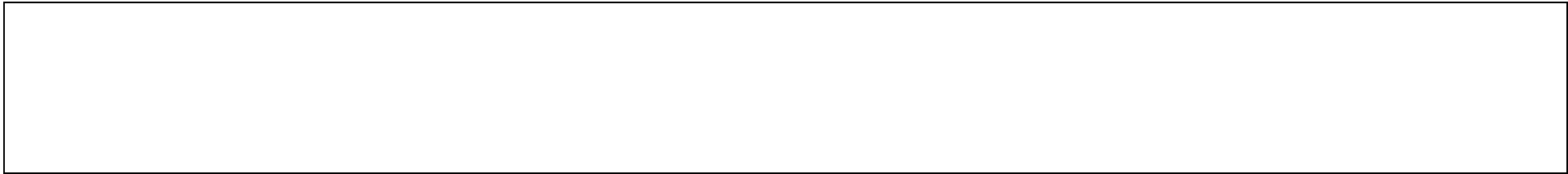
- 1) Memory
- 2) Attention
- 3) Psychosocial / Behavioral
- 4) Communication
- 5) Processing Speed
- 6) Spatial Reasoning
- 7) Conceptualization
- 8) Motor / Physical/Sensory
- 9) Sensory
- 10) Executive Functioning
- 11) Health / Medical
- 12) Academic

2.1 TRAUMATIC BRAIN INJURY (TBI) DOMAINS OF FUNCTIONING SCALES

I. MEMORY					
Domain/Description and Examples	Observed/Reported Behavior	Source <ul style="list-style-type: none"> ● (A) - Assessed ● (O) - Observed ● (RO) - Report Others ● (MR) - Medical Report 	Pre TBI Functioning <ul style="list-style-type: none"> ● (DK) - Don't Know ● (RN) - Reported Normal ● (ON) - Observed Normal ● (AN) - Assessed Normal 	Current Functioning <ul style="list-style-type: none"> ● (DK) - Don't Know ● (RN) - Reported Normal ● (ON) - Observed Normal ● (AN) - Assessed Normal 	Rating Level of Concern <ul style="list-style-type: none"> ● (0) - Little or none ● (1) - Mild ● (2) - Moderate ● (3) - High
Long Term Memory (previous facts/concepts)					
Short Term Memory (acquiring new information)					
Figural Memory (geometric designs, shapes figures, facial features, directional orientation)					
Lexical Memory (names, word lists, story details, oral directions)					
Concept/Semantic Memory					
Context/Episodic Memory (e.g. what ate for breakfast yesterday; who against Bush in 1988)					
Perseverations					
Encoding Deficits					
Storage Deficits (retaining information)					
Retrieval Functions (if recall is poor, or does prompting or providing a list of optional answers improve performance – recognition answer retrieval)					
Procedural Memory (Motor and Cognitive)					
Personally Relevant Memory (Events in Life)					

Overall Level of Concern for this students MEMORY

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II. ATTENTION CONTROL SYSTEM					
Domain/Description and Examples	Observed/Reported Behavior	Source	Pre TBI Functioning	Current Functioning	Rating Level of Concern
Mood Control (too happy/too sad/too angry)		<ul style="list-style-type: none"> ● (A) - Assessed ● (O) - Observed ● (RO) - Report Others ● (MR) - Medical Report 	<ul style="list-style-type: none"> ● (DK) - Don't Know ● (RN) - Reported Normal ● (ON) - Observed Normal ● (AN) - Assessed Normal 	<ul style="list-style-type: none"> ● (DK) - Don't Know ● (RN) - Reported Normal ● (ON) - Observed Normal ● (AN) - Assessed Normal 	<ul style="list-style-type: none"> ● (0) - Little or none ● (1) - Mild ● (2) - Moderate ● (3) - High
Behavior Control (think before doing)					
Motor/Verbal Control (not wasting movement and talking)					
Social Control (tuning out other people when needed)					
Appetite Control (spread of desires and delay gratification)					
Sensory Filtration (sight and sound)					
Internal Free Flight (daydream)					
Consistency Through Tasks					
Tempo Control (speed through the task)					
Motivation Control (for unexciting tasks)					
Arousal Control (staying awake while working or listening)					
Selective Focus (tuned into most important things)					

2.1 TRAUMATIC BRAIN INJURY (TBI) DOMAINS OF FUNCTIONING SCALES

Overall Level of Concern for this students ATTENTION CONTROL

III. PSYCHOSOCIAL/BEHAVIORAL

Domain/Description and Examples	Observed/Reported Behavior	Source <ul style="list-style-type: none"> ● (A) - Assessed ● (O) - Observed ● (RO) - Report Others ● (MR) - Medical Report 	Pre TBI Functioning <ul style="list-style-type: none"> ● (DK) - Don't Know ● (RN) - Reported Normal ● (ON) - Observed Normal ● (AN) - Assessed Normal 	Current Functioning <ul style="list-style-type: none"> ● (DK) - Don't Know ● (RN) - Reported Normal ● (ON) - Observed Normal ● (AN) - Assessed Normal 	Rating Level of Concern <ul style="list-style-type: none"> ● (0) - Little or none ● (1) - Mild ● (2) - Moderate ● (3) - High
Depression/Withdrawal					
Mental Flexibility Decline (Empathy decrease; Feed-back rejection; Dogmatic Single-minded personality; Responsibility not accepted; Blame projections)					
Denial of: (Personality differences; Physical disabilities; Cognitive deficits; Emotional differences; Social inadequacies)					
Frustration Tolerance/Anger (Overt actions-verbal or physical aggressive; Patience in taxing situation; Passive-aggressive responses)					
Irritability/Restlessness (Hopeless/helpless statements; Negativity/pessimism statements; Sleep deficits, pacing)					
Anxiety (Obsessive orderliness; Fear of social situations; Fear of unknown)					
Lability (abrupt mood changes; rapid and frequent)					
Impulsivity Social Judgment Disinhibitions (Social norm, law violations; Lack of consequence recognition)					

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Sexual Dysfunction (Hyper [interest & actions]; Hypo [interest & actions])					
Euphoria (Laugh, giddy; Inappropriate comments; Bantering)					
Apathy (Implementing actions once goal established)					
Decreased Hygiene (Lack of awareness; Lack of concern)					

Overall Level of Concern for this students PSYCHOSOCIAL/BEHAVIOR

IV. COMMUNICATION					
Domain/Description and Examples	Observed/Reported Behavior	Source	Pre TBI Functioning	Current Functioning	Rating Level of Concern
Content		<ul style="list-style-type: none"> ● (A) - Assessed ● (O) - Observed ● (RO) - Report Others ● (MR) - Medical Report 	<ul style="list-style-type: none"> ● (DK) - Don't Know ● (RN) - Reported Normal ● (ON) - Observed Normal ● (AN) - Assessed Normal 	<ul style="list-style-type: none"> ● (DK) - Don't Know ● (RN) - Reported Normal ● (ON) - Observed Normal ● (AN) - Assessed Normal 	<ul style="list-style-type: none"> ● (0) - Little or none ● (1) - Mild ● (2) - Moderate ● (3) - High
Listening					
Understanding/ Interpretation of Verbal/Non-Verbal Communication					
Semantics (words & word relationships)					
Inferences					
Form					
Speaking					

2.1 TRAUMATIC BRAIN INJURY (TBI) DOMAINS OF FUNCTIONING SCALES

Production of Verbal Communication -Work Finding					
Production of Non-Verbal Communication -Facial Expressions -Gestures					
Grammar (syntax and morphology)					
Phonology/Articulation					
Use					
Turn Taking					
Topic Elaboration (topic Maintenance)					
Disinhibition					
Proximity					
Output Message Matching Output Affect					
Opening Interactions					
Closing Interactions					

Overall Level of Concern for this students COMMUNICATION

V. SPEED OF INFORMATION PROCESSING

Domain/Description and Examples	Observed/Reported Behavior	Source <ul style="list-style-type: none"> ● (A) - Assessed ● (O) - Observed ● (RO) - Report Others ● (MR) - Medical Report 	Pre TBI Functioning <ul style="list-style-type: none"> ● (DK) - Don't Know ● (RN) - Reported Normal ● (ON) - Observed Normal ● (AN) - Assessed Normal 	Current Functioning <ul style="list-style-type: none"> ● (DK) - Don't Know ● (RN) - Reported Normal ● (ON) - Observed Normal ● (AN) - Assessed Normal 	Rating Level of Concern <ul style="list-style-type: none"> ● (0) - Little or none ● (1) - Mild ● (2) - Moderate ● (3) - High
Reaction Time					

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TRAUMATIC BRAIN INJURY (TBI)
DOMAINS OF FUNCTIONING SCALES

Speed of Response					
Data Integration Speed					
Output Quality					

Overall Level of Concern for this students SPEED OF INFORMATION PROCESSING

VI. SPATIAL REASONING

Domain/Description and Examples	Observed/Reported Behavior	Source	Pre TBI Functioning	Current Functioning	Rating Level of Concern
		<ul style="list-style-type: none"> ● (A) - Assessed ● (O) - Observed ● (RO) - Report Others ● (MR) - Medical Report 	<ul style="list-style-type: none"> ● (DK) - Don't Know ● (RN) - Reported Normal ● (ON) - Observed Normal ● (AN) - Assessed Normal 	<ul style="list-style-type: none"> ● (DK) - Don't Know ● (RN) - Reported Normal ● (ON) - Observed Normal ● (AN) - Assessed Normal 	<ul style="list-style-type: none"> ● (0) - Little or none ● (1) - Mild ● (2) - Moderate ● (3) - High
Judging Distances					
Navigating in Environment					
Map Reading					
Visualizing Images					
Mechanical Thinking Skills (how things fit together)					
Shape Recognition					

Overall Level of Concern for this students SPATIAL REASONING

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VII. CONCEPTUALIZATION

Domain/Description and Examples	Observed/Reported Behavior	Source	Pre TBI Functioning	Current Functioning	Rating Level of Concern
		<ul style="list-style-type: none"> • (A) - Assessed • (O) - Observed • (RO) - Report Others • (MR) - Medical Report 	<ul style="list-style-type: none"> • (DK) - Don't Know • (RN) - Reported Normal • (ON) - Observed Normal • (AN) - Assessed Normal 	<ul style="list-style-type: none"> • (DK) - Don't Know • (RN) - Reported Normal • (ON) - Observed Normal • (AN) - Assessed Normal 	<ul style="list-style-type: none"> • (0) - Little or none • (1) - Mild • (2) - Moderate • (3) - High
Categorize					
Sequence					
Abstract					
Prioritize					
Difficulty Going From Part to Whole					
Problem Solving: <u>Abstract Reasoning</u>					

Overall Level of Concern for this students CONCEPTUALIZATION

VIII. MOTOR/PHYSICAL/SENSORY

	Observed/Reported Behavior	Source	Pre TBI Functioning	Current Functioning	Rating Level of Concern
		<ul style="list-style-type: none"> • (A) - Assessed • (O) - Observed 	<ul style="list-style-type: none"> • (DK) - Don't Know 	<ul style="list-style-type: none"> • (DK) - Don't Know 	<ul style="list-style-type: none"> • (0) - Little or none

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		<ul style="list-style-type: none"> • (RO) - Report Others • (MR) - Medical Report 	<ul style="list-style-type: none"> • (RN) - Reported Normal • (ON) - Observed Normal • (AN) - Assessed Normal 	<ul style="list-style-type: none"> • (RN) - Reported Normal • (ON) - Observed Normal • (AN) - Assessed Normal 	<ul style="list-style-type: none"> • (1) - Mild • (2) - Moderate • (3) - High
<u>Movement</u>					
<i>Increased Muscle Tone</i>					
<i>Tremors/Overflow Movements</i>					
<i>Reflexes Limiting Voluntary Movement</i>					
<i>Apraxia</i> (perform organized sequential motor acts)					
<i>Decreased Cross mid-line/Bilateral Coordination</i>					
<i>Decreased Strength</i>					
<i>Decreased Endurance</i>					
<i>Dynamic Balance</i>					
<i>Static Balance</i>					
<u>Visual Impairment</u>					
<i>Cortical Visual Impairment</i> (i.e., black-outs)					
<i>Hemianopsia</i> (field loss in both eyes)					
<i>Visual Neglect of One Side</i>					
<i>Visual Perception Decrease</i>					
<i>Oculomotor Control</i>					
<i>Visual Motor Integration Deficits</i>					
<u>Hearing Impairment</u>					
<i>Equilibrium Vertigo Changes</i>					
<i>Auditory Imperceptions</i>					
<i>Auditory Loss</i>					
<u>Tactile Impairment/Loss</u>					
<i>Light Touch</i>					
<i>Deep Pressure Touch</i>					
<i>Two-point Discrimination</i>					
<i>Temperature</i>					

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<i>Pain/Sensitivity</i> (sharp/dull)					
<i>Body Position Awareness</i>					
<u>Taste/Smell Impairment</u>					
<u>Evidence of Hypersensitivity To Sensory Stimuli</u>					
<u>Evidence of Hyporesponsiveness To Sensory Stimuli</u>					
<u>Other Physical</u>					
<i>Bowl</i>					
<i>Bladder</i>					
<i>Regulate Appetite/Thirst</i>					
<i>Respiratory Complications</i>					
<i>Yawning</i>					

Overall Level of Concern for this students MOTOR/SENSORY PHYSICAL

IX. EXECUTIVE FUNCTIONS

Domain/Description and Examples	Observed/Reported Behavior	Source <ul style="list-style-type: none"> ● (A) - Assessed ● (O) - Observed ● (RO) - Report Others ● (MR) - Medical Report 	Pre TBI Functioning <ul style="list-style-type: none"> ● (DK) - Don't Know ● (RN) - Reported Normal ● (ON) - Observed Normal ● (AN) - Assessed Normal 	Current Functioning <ul style="list-style-type: none"> ● (DK) - Don't Know ● (RN) - Reported Normal ● (ON) - Observed Normal ● (AN) - Assessed Normal 	Rating Level of Concern <ul style="list-style-type: none"> ● (0) - Little or none ● (1) - Mild ● (2) - Moderate ● (3) - High
Goal Setting					
Planning					

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Flexibility					
Recognition of Conclusion					
Recognition of Problem To Solve					
Organizational Skills					

Overall Level of Concern for this students EXECUTIVE FUNCTIONS

X. HEALTH/ MEDICAL

Domain/Description and Examples	Observed/Reported Behavior	Source	Pre TBI Functioning	Current Functioning	Rating Level of Concern
		<ul style="list-style-type: none"> ● (A) - Assessed ● (O) - Observed ● (RO) - Report Others ● (MR) - Medical Report 	<ul style="list-style-type: none"> ● (DK) - Don't Know ● (RN) - Reported Normal ● (ON) - Observed Normal ● (AN) - Assessed Normal 	<ul style="list-style-type: none"> ● (DK) - Don't Know ● (RN) - Reported Normal ● (ON) - Observed Normal ● (AN) - Assessed Normal 	<ul style="list-style-type: none"> ● (0) - Little or none ● (1) - Mild ● (2) - Moderate ● (3) - High
Fatigue					
Headaches					
Seizures					
Other Chronic Pain					
Other					

Overall Level of Concern for this students HEALTH/MEDICAL
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2.1
TRAUMATIC BRAIN INJURY (TBI)
DOMAINS OF FUNCTIONING SCALES

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XI. ACADEMIC FUNCTIONS

Domain/Description and Examples	Observed/Reported Behavior	Source	Pre TBI Functioning	Current Functioning	Rating Level of Concern
		<ul style="list-style-type: none"> • (A) - Assessed • (O) - Observed • (RO) - Report Others • (MR) - Medical Report 	<ul style="list-style-type: none"> • (DK) - Don't Know • (RN) - Reported Normal • (ON) - Observed Normal • (AN) - Assessed Normal 	<ul style="list-style-type: none"> • (DK) - Don't Know • (RN) - Reported Normal • (ON) - Observed Normal • (AN) - Assessed Normal 	<ul style="list-style-type: none"> • (0) - Little or none • (1) - Mild • (2) - Moderate • (3) - High
Reading Decoding (basic) Skills					
Reading Comprehension					
Reading Fluency					
Written Expression					
Mathematics Calculation					
Mathematics Reasoning					

Overall Level of Concern for this students ACADEMIC FUNCTIONS

GLOBAL MEASURES OF FUNCTIONING

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