Assessment powered by NovoPsych

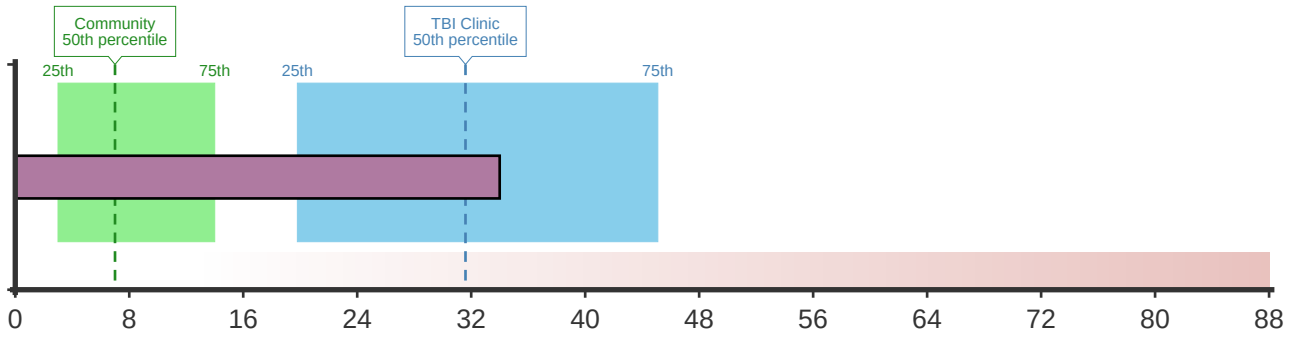
Neurobehavioral Symptom Inventory (NSI)

Client Name	Generic Client	*Date administered*	21 Aug 2026
Date of birth (age)	6 Nov 2000 (26)	*Time taken*	34s
Assessor	Dr David Hegarty		

Total Score

	Raw Score (0 - 88)	Community Percentile	Clinical Percentile
Total Score	34	98.7	55

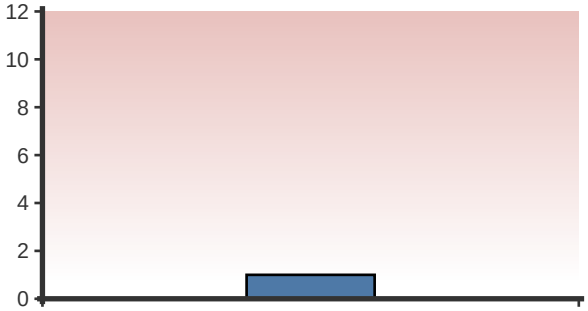
NSI Total Score Compared with Healthy Community Adults and Military TBI Clinic Patients



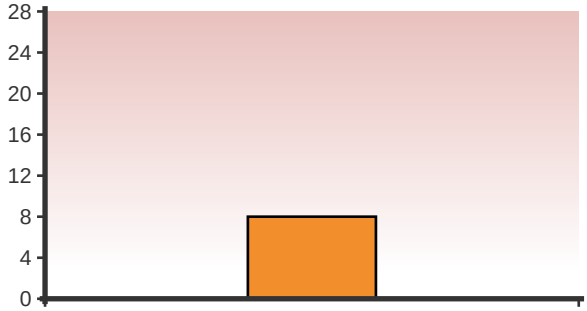
Subscales

	Raw Score	Community Percentile
Vestibular (0 - 12)	1	75
Somatosensory (0 - 28)	8	98.6
Cognitive (0 - 16)	10	99.2
Affective (0 - 24)	13	97

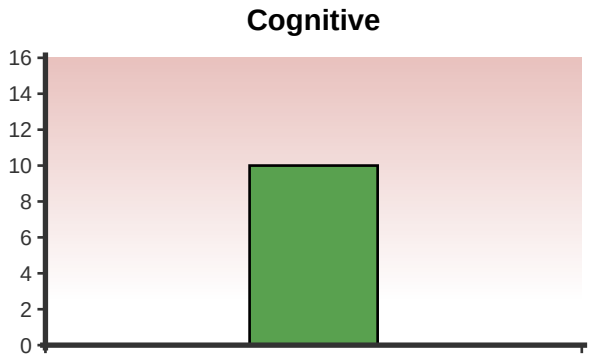
Vestibular

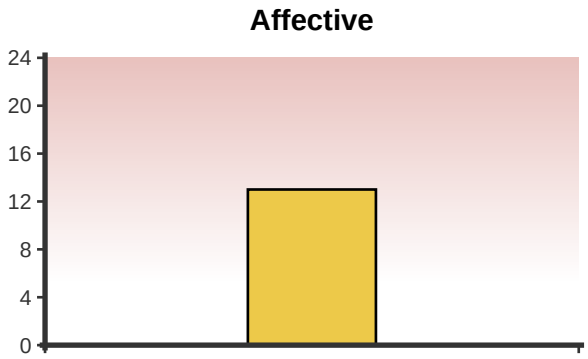


Somatosensory



Client Name	Generic Client





Interpretation

The Neurobehavioral Symptom Inventory (NSI) was administered on 21 August 2026, with a total score of 34 out of 88. This is at the 98.7th percentile compared with healthy community adults and at the 55th percentile compared with military traumatic brain injury (TBI) clinic patients.

Vestibular symptoms scored 1 out of 12 (at the 75th percentile compared with healthy community adults).

Somatosensory symptoms scored 8 out of 28 (at the 98.6th percentile compared with healthy community adults). Items rated Moderate or higher:
- *4. Headaches (Severe)*
- *7. Sensitivity to light (Moderate)*
- *9. Sensitivity to noise (Moderate)*

Cognitive symptoms scored 10 out of 16 (above the 99th percentile compared with healthy community adults). Items rated Moderate or higher:
- *13. Poor concentration, can't pay attention, easily distracted (Severe)*
- *14. Forgetfulness, can't remember things (Severe)*
- *15. Difficulty making decisions (Moderate)*
- *16. Slowed thinking, difficulty getting organized, can't finish things (Moderate)*

Affective symptoms scored 13 out of 24 (at the 97th percentile compared with healthy community adults). Items rated Moderate or higher:
- *17. Fatigue, loss of energy, getting tired easily (Severe)*
- *18. Difficulty falling or staying asleep (Severe)*
- *19. Feeling anxious or tense (Moderate)*
- *21. Irritability, easily annoyed (Moderate)*
- *22. Poor frustration tolerance, feeling easily overwhelmed by things (Moderate)*

No items in the **Vestibular** subscale were rated Moderate or higher.

Two items are not part of any subscale. Change in appetite was rated Moderate.

Note. Items rated Moderate (2) or higher are listed under their subscale, highest rating first, with ties in item order.

Client Name	Generic Client

Scoring and Interpretation Information

For comprehensive information on the NSI, see here.

NSI Scoring
The total score is the sum of all 22 items (range 0 to 88), and each subscale score is the sum of its items. Higher scores indicate more, or more severe, post-concussive symptoms. Hearing difficulty (item 8) and change in appetite (item 12) count only in the total score.

- Vestibular (3 items; items 1–3; range 0 to 12): dizziness and balance
- Somatosensory (7 items; items 4–7 and 9–11; range 0 to 28): headache, nausea, and sensory symptoms
- Cognitive (4 items; items 13–16; range 0 to 16): concentration, memory, and thinking speed
- Affective (6 items; items 17–22; range 0 to 24): mood, sleep, and fatigue

NSI Percentiles
The results table shows the total score (out of 88) with a community percentile, comparing the client with healthy community adults (Meyers et al., 2015), and a clinical percentile, comparing the client with individuals seeking care at US military TBI clinics (Llop et al., 2023). A community percentile of 90 means the client reported more symptoms than 90 percent of healthy adults.

NSI Subscale Interpretation
A second table shows each subscale score with a community percentile. Healthy adults report few of these symptoms, so a low raw score can give a high percentile. A score of 0 is at the 50th percentile on Vestibular, the 25th on Somatosensory and Cognitive, and the 10th on Affective (Meyers et al., 2015). The subscales have different maximums, so the percentiles, not the raw scores, show which subscales are high. On the first administration, the report lists the items rated Moderate or higher under each subscale. Moderate is the level at which symptoms affect daily functioning, and the listed items can help guide treatment (Silva, 2021).

NSI Change Score Interpretation
From the second administration, the report compares the total score with the most recent and initial administrations. A change of 8 or more points is reliable, based on 2-week retest data in 37 healthy adults (Meyers et al., 2015). The report describes it as a significant increase or decrease. It describes a smaller change as a possible slight reduction or increase in post-concussive symptoms, below the threshold for a significant change. The subscale plots can be read alongside the item ratings and the total score. The report also lists items that improved from Severe or Very Severe to None or Mild (Scarlett et al., 2023) or that worsened the other way.

NSI Validity-10 Score
The Validity-10 score (items 1–3, 5, 6, 8, 9, 11, 15, and 16; range 0 to 40) appears in a clinician review section on the last page. A score of 23 or above (Vanderploeg et al., 2014) suggests possible overreporting and warrants a closer look using other information. A high score alone does not establish overreporting (Silva, 2021). It does not change any other score or the interpretation.

NSI Graphs
On first administration, a comparison chart marks the client's total score against the interquartile

Client Name	Generic Client

range and median of the two comparison groups. Each subscale has its own bar chart and raw-score axis. Shading deepens towards the high end and is a visual guide, not a cutoff. From the second administration, line plots replace both charts: one for the total score and a 2 by 2 grid of subscale plots. The subscale plots show how each symptom area is changing over time.

Client Responses

Vestibular

		None	Mild	Moderate	Severe	Very Severe
1	Feeling Dizzy	**0**	1	2	3	4
2	Loss of balance	0	**1**	2	3	4
3	Poor coordination, clumsy	**0**	1	2	3	4

Somatosensory

		None	Mild	Moderate	Severe	Very Severe
4	Headaches	0	1	2	**3**	4
5	Nausea	**0**	1	2	3	4
6	Vision problems, blurring, trouble seeing	0	**1**	2	3	4
7	Sensitivity to light	0	1	**2**	3	4
9	Sensitivity to noise	0	1	**2**	3	4
10	Numbness or tingling on parts of my body	**0**	1	2	3	4
11	Change in taste and/or smell	**0**	1	2	3	4

Cognitive

		None	Mild	Moderate	Severe	Very Severe
13	Poor concentration, can’t pay attention, easily distracted	0	1	2	**3**	4
14	Forgetfulness, can’t remember things	0	1	2	**3**	4

Client Name	Generic Client

Client Responses (cont.)

		None	Mild	Moderate	Severe	Very Severe
15	Difficulty making decisions	0	1	**2**	3	4
16	Slowed thinking, difficulty getting organized, can't finish things	0	1	**2**	3	4

Affective

		None	Mild	Moderate	Severe	Very Severe
17	Fatigue, loss of energy, getting tired easily	0	1	2	**3**	4
18	Difficulty falling or staying asleep	0	1	2	**3**	4
19	Feeling anxious or tense	0	1	**2**	3	4
20	Feeling depressed or sad	0	**1**	2	3	4
21	Irritability, easily annoyed	0	1	**2**	3	4
22	Poor frustration tolerance, feeling easily overwhelmed by things	0	1	**2**	3	4

Items Not in a Subscale

		None	Mild	Moderate	Severe	Very Severe
8	Hearing difficulty	**0**	1	2	3	4
12	Loss of appetite or increased appetite	0	1	**2**	3	4

Assessment powered by NovoPsych

Client Name	Generic Client

Validity-10 (clinician review)

	Score (0 - 40)
Validity-10 Score	8

For the Validity-10, the developers' cutoff is 23 or above (Vanderploeg et al., 2014). A score of 23 or above suggests possible overreporting and warrants a closer look using other information. A high score alone does not establish overreporting (Silva, 2021).