



Like other neurocognitive testing, the SportsBrain neurocognitive test is a series of puzzles and games for the student to complete as efficiently and accurately as possible. Scores are calculated based on a combination of efficiency and accuracy within multiple areas of the test. The test is also randomized so the effect of repeating the test is minimalized.

After a brief educational video and quiz – this is optional and can be turned on or off by the organization – the student is asked to complete a symptom checklist.

Symptom Checklist

I have been having headaches.

I have felt mentally foggy.

I have felt nervous.

I have had blurred vision.

I have been throwing or breaking things when I am mad.

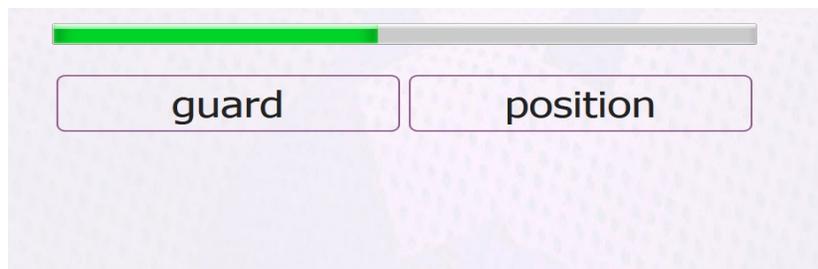
I have been having trouble staying focused.

I have been vomiting.

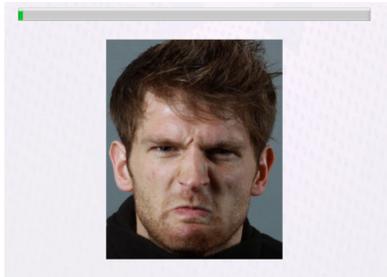
Never Sometimes Often Very Often

Previous Next

The first section of the test is Word Iteration where the student will be shown a list of words and asked to remember as many of them as possible. The student is then shown pairs of words and asked which word was on the list.



The second section focuses on Emotional Identification. Students will be shown a series of faces and asked to press the spacebar each time a new face appears that IS NOT the targeted emotion. There are 4 emotions used – happy, sad, afraid and neutral.



The third section is Time Estimation. Students will be asked to estimate a period of time between 10 and 30 seconds and tap the spacebar to begin and end the time.

Tap the spacebar once to begin.
Tap the spacebar again after 30 seconds.

Section four is tapping. Simply use your dominant hand and tap the spacebar for the allotted time. If testing in a group setting we suggest you talk about the difference between tapping and pounding, some students like to see how loud they can be.

Tapping

Tap the spacebar as quickly as you can continuously for 30 seconds.



Do not press and hold the spacebar. Use **ONLY** your **right** hand if you are right-handed, or your **left** hand if you are left-handed.

Tap the spacebar once to begin.



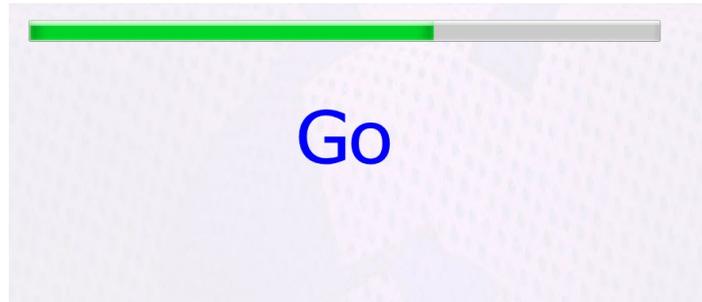
You will have 3 seconds to prepare.

3

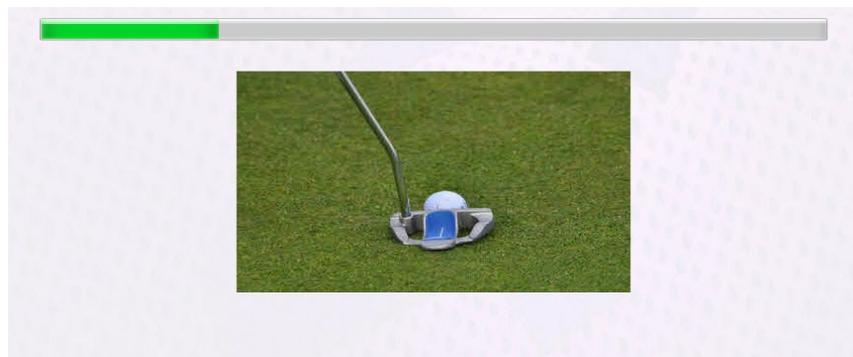
The next section is Sentences. A short, 5-word sentence will appear one word at a time. The final word will either complete the sentence or make it completely illogical. The first four words may be something like, "It is cold in..." and the next word that is logical would be "winter." Since it makes sense, the student would tap the right arrow key. If it is an illogical word like "dog" the student would tap the left arrow key.

winter.

Section 6 is called Stop or Go. Either the word "Stop" or the word "Go" will appear in and the student is directed to do nothing when the word Stop appears and tap when the word Go appears. The words will appear in different colors during this section, but the color does not matter. Part 2 of this section repeats the task, but the action is based on color instead of the word.



Section 7 of the test is One Back. In this section, a series of images will appear one image at a time. Every time a new image appears the student is supposed to hit the spacebar. However, sometimes the same picture will appear twice in a row, when that happens the student is told to do nothing. Sounds simple but it isn't.



The test concludes with two sections of longer term memory asking students if they can remember faces from the Emotional Identification words from the Word Iteration sections of the test.

