

HOW WELL DOES YOUR BRAIN WORK?

Find out in 20 minutes
with 90% accuracy.



How Is My Brain Health?

Track eight essential components of brain health using scientifically proven methods.

Our tests measures 8 essential components of brain health: Speed, Focus, Fatigue, Accuracy, Sequencing, Timing Perception, Plasticity, and Connectivity. You'll also get a comprehensive mental fitness score that we call your **Corticalmetric**.

- Speed, Focus, & Fatigue
- Accuracy
- Sequencing
- Timing Perception
- Plasticity & Connectivity
- Corticalmetric

Your brain is sensitive. But it's not always easy to tell how it's changing.

The Brain Gauge can detect extremely subtle differences in cognitive function. We can tell when something affects your brain, even if you can't. From cough syrup and alcohol, to jumping jacks, meditation, and sleep. Your Brain Gauge scores will show the difference. No other methods in the world are this sensitive.

These methods have been validated by over 50 years of clinical studies. And that's not just our own research – the Brain Gauge has been used at more than 50 universities around the world.



Powerful analytics.

Clear results.

Keep tabs on conditions like Alzheimer's and ADHD, and see how your brain responds to new treatments, nutritional products or medications. Then generate a detailed brain health evaluation or export your entire testing history and run your own advanced analysis. And all your data is instantly accessible from anywhere in the world thanks to our secure, cloud-based storage.

How does the Brain Gauge work?



One of the underlying principles of the science behind the Brain Gauge is that the nerves in adjacent fingertips project to specific and unique adjacent regions in the brain. The Brain Gauge sends gentle vibrations to your fingertips to precisely activate these nerves and areas in the brain.

When adjacent regions are activated, they interact with each other in predictable patterns that affect your perception of how the vibrations feel. By changing the vibrations in specific ways and then asking questions about what you feel, we can measure the percept created by the interactions and predict how well the mechanisms behind these interactions are working.

Why is the Brain Gauge based on the sense of touch?

The somatosensory system is well suited for testing the central nervous system (CNS) because it is organized so that adjacent regions on the skin project to adjacent cortical regions. Tactile stimuli can be precisely controlled and delivered to these regions and it is easy to control for distractions (as compared to controlling for distracting visual or auditory input).

More than 50 years of neuroscience research have yielded a great deal of information about the nature of the interactions within and between the adjacent cortical regions as they are activated by tactile stimuli. This includes three decades of our own work, which has helped to build the foundation for understanding certain aspects of brain function and how to test for it.

While medical imaging is a useful tool for identifying whether relatively large areas of the brain are injured, cortical metrics are very good at identifying subtle changes in brain function. For example, the sedative that many people are given to reduce anxiety before being scanned would have a significant impact on cortical metrics but no impact on the medical image.

To schedule an appointment for your Brain Gauge test call 918-551-6600

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