Cognigram™

The **Cognigram™** system is a **simple and scientifically valid computerized test**, intended to aid healthcare professionals with **rapid assessment of cognition** in individuals aged 6 – 99 years old, is HIPAA compliant, and FDA reviewed.

Fast   **Informative**   **Convenient**   **Reliable**

Alzheimer's

1 in 10 people aged 65 years or older has Alzheimer's disease.

The Cognigram™ solution detects very subtle changes in cognition that could signify the early stages of dementia. Because neurological changes begin 20 or more years before disease symptoms become apparent, early detection of cognitive impairment is critical.

Surgery

Post-surgical delirium affects up to 50% of surgical patients, costing $164 billion per year.

In the perioperative setting, delirium and postoperative cognitive dysfunction (POCD) occurs in up to 53% of patients over 65 years of age and in patients with moderate to severe cases, decline in cognitive function can be substantial and long term.

Concussion

42 million people globally suffer from concussion each year.

The Cognigram™ system offers unique value as a sensitive and reliable tool for baseline testing and post-injury evaluation. Sport organizations ranging from secondary education to professional and elite groups around the world depend upon its test battery for decision support in their concussion management programs.

Cogstate

Cognigram™

Key Features

Fast and Easy

- Provides rapid assessment of cognitive function in 10-15 minutes with immediate results available to clinicians
- Supports flexible administration with in-clinic or at-home testing on PCs (Windows/Mac OS) and iPads/Tablets

Informative

- Measures cognition on a single occasion and change over time
- Detects subtle changes in cognition that may not be apparent on traditional instruments

Reliable and Validated

- Facilitates accurate testing unaffected by language, education, culture or practice effects
- Allows for repeat administration with high test-retest validity at 10 minutes, 1 week, and 1 month

Cost Effective

- Unsupervised testing requires fewer staffing resources
- Much cheaper than conventional imaging or laboratory testing

Cogstate Brief Battery

The Cognigram™ system utilizes the Cogstate Brief Battery™, which has been used in over 1,000 research studies around the world and cited in hundreds of peer-reviewed journal publications. The Battery (see below) consists of four tests, where a single playing card stimulus is presented in the center of the device screen. At the presentation of each playing card stimulus, the patient is required to respond either "YES" or "NO".

Detection Test
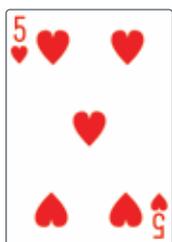
"Has the card turned over?"

Main Domain Measured
Psychomotor Function

Identification Test

"Is the card red?"

Main Domain Measured
Attention

One Card Learning Test

"Have you seen this card before?"

Main Domain Measured
Learning

One Back Test

"Is the card the same as the previous card?"

Main Domain Measured
Working Memory