

## List of Computerized Tests Provided by CogState ClinicalTrials



### Computerized Cognitive Tests

CogState ClinicalTrials tests provide rapid, sensitive and valid measurement of distinct cognitive functions. The tests use novel visual and verbal stimuli to ensure assessment is culture-neutral and not limited by a subject's level of education or socio-economic background.

Our tests are used to determine the effect of drugs, devices and other interventions in cognition in many different conditions, diseases and disorders, and also in healthy volunteers.

All CogState ClinicalTrials tests are designed for repeated administration with minimal practice or learning effects, making them ideal for use in clinical research trials. All CogState tests have at least 20 alternate forms.

The tests target a wide range of cognitive domains including simple reaction time, attention, executive function and social-emotional cognition.

Data describing the sensitivity and reliability of CogState tests have been published in over 100 peer-reviewed research articles.

### Customized Test Systems

For your research trial, you can select any combination of CogState ClinicalTrials tests in any order of presentation. Our scientific experts can assist with test selection and the design of an appropriate 'test battery'. CogState test batteries are always customized to suit your testing needs.

In addition to our proprietary cognitive tests, CogState can integrate other relevant scales and assessments. For example, we recently integrated a visual analogue scale (VAS) of sedation and fatigue in a test battery used during a Phase I pharmaceutical trial.

Test instructions are currently available in a variety of different languages and other languages are available on request.



**Figure 1**

Screenshot of the Groton Maze Learning Task. In this task, subjects are required to find their way through a hidden maze located under the grid of tiles. Responses are made via a touch screen or a mouse.



**Figure 2**

Screenshot of the Social-Emotional Cognition Task. In this task, subjects are required to 'tap the odd one out' as quickly and as accurately as they can. Responses are made via a touch screen or a mouse.

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Task Name	Administration Time* (minutes)	Cognitive Domain**
Detection	2	Psychomotor Function / Speed of Processing
Identification	2	Visual Attention / Vigilance
One Card: Learn	5	Visual Learning & Memory
One Word: Learn	5	Verbal Learning & Memory
One Back	2	Attention / Working Memory
Two Back	2	Attention / Working Memory
Monitoring	2	Attention
International Shopping List: Learn	5	Verbal Learning & Memory
International Shopping List: Recall	2	Verbal Learning & Memory
Chase The Target	0.5	Visual Motor Function
Groton Maze Learning Task	5	Executive Function / Spatial Problem Solving
Groton Maze Learning Task: Recall	1	Visual Learning & Memory
Groton Maze Learning Task: Reverse	2	Visual Learning & Memory
Social-Emotional Cognition	7	Social Cognition
Set Shifting	5	Executive Function
Visual Paired Associate Learning Task	5	Visual Learning and Memory
Visual Paired Associate Learning Task: Recall	2	Long Term Memory

\* In Healthy Volunteers

\*\* This is a guide only. The cognitive domain(s) measured by a task can vary according to testing application.

For further information on any of the tests listed here, please visit [www.cogstate.com](http://www.cogstate.com), or use the details provided below to contact us.



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