

Cognitive Assessment for TBI Clinical Trials

CANTAB Connect TBI is a pharmacologically sensitive cloud-computing assessment system for use in pharmaceutical clinical trials investigating the cognitive profile and efficacy of treatments for traumatic brain injuries.

Product overview:

- ✓ Phases I-IV
- ✓ Under 35 minutes per subject
- ✓ Repeatable assessments
- ✓ Standardized testing
- ✓ Automatic scoring
- ✓ HIPAA compliant data

Measures include:

- Reaction time
- Planning
- Episodic memory
- Executive function
- Working memory
- Multitasking

Key features

Touchscreen tests increase precision and ease of use.

Sensitive to disease related cognitive impairment, drug effects and changes over time.

Objective and translational tests that are language-independent and culturally neutral, making them ideal for international studies.

Compliant with global GCP and regulatory standards.

The CANTAB Connect Cloud

Access secure real-time data from global sites anytime, anywhere via the cloud. Automatic scoring and monitoring improves data quality, facilitating more informed decision making and accelerating trial completion.

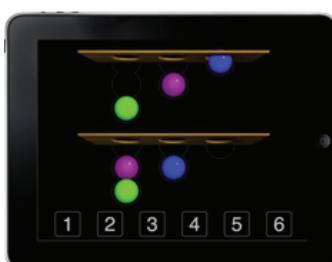


TBI test panel

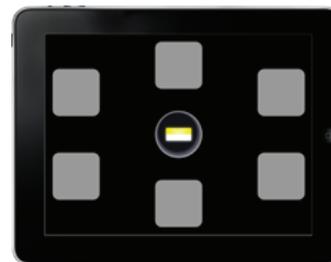
The CANTAB tests in CANTAB Connect TBI are sensitive to experimental manipulation of symptoms, including through pharmacological intervention, allowing researchers to measure behavioural improvements in performance:



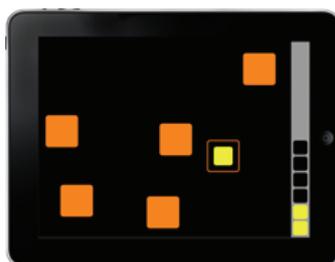
Processing and Psychomotor Speed
CANTAB Motor Screening Task (2 mins).



Planning
CANTAB One Touch Stockings of Cambridge Task (10 mins).



Visuospatial Episodic Memory
CANTAB Paired Associates Learning Task (8 mins).



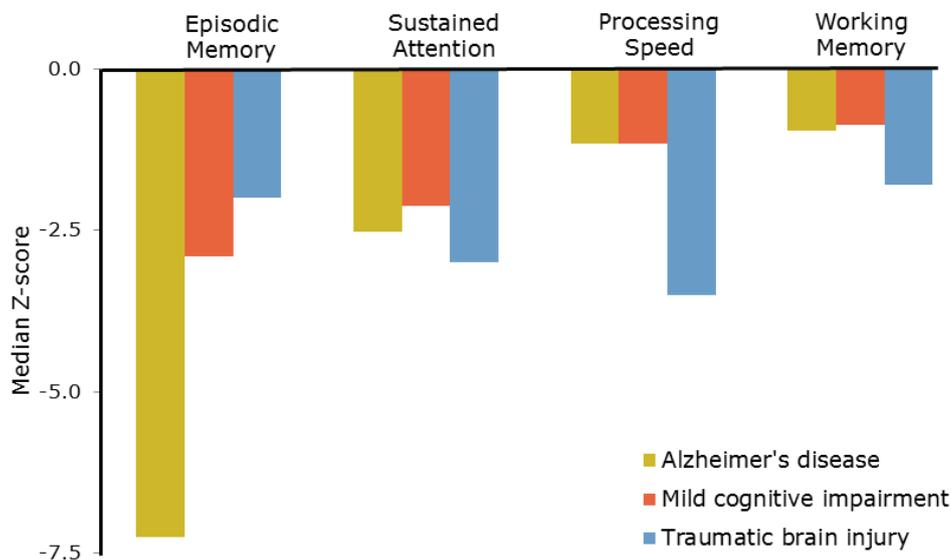
Working Memory
CANTAB Spatial Working Memory Task (4 mins).



Multitasking
CANTAB Multitasking Test (8 mins).

Sensitive to the key cognitive domains impaired in TBI

Patients who have suffered a traumatic brain injury show greater deficits in attention, processing speed and working memory than patients with mild cognitive impairment or Alzheimer's disease.^{1,2}



1. Egerhazi A, Berecz R, Bartok E, Degrell I. (2007). Automated Neuropsychological Test Battery (CANTAB) in mild cognitive impairment and in Alzheimer's disease. *Progress in Neuro Psychopharmacology and Biological Psychiatry* 31(3):746-51.

2. Salmund, C. H., Chatfield, D. A., Menon, D. K., Pickard, J. D., & Sahakian, B. J. (2005, January 1). Cognitive sequelae of head injury: Involvement of basal forebrain and associated structures. Retrieved September 11, 2015, from Brain

Discover the benefits

Increase your chances of success

CANTAB Connect assessments are highly sensitive to pharmacological manipulation, making it possible to demonstrate the cognitive effects of compounds to regulators. CANTAB Connect is also able to detect disease-related impairments and change over time, including early in the disease process, maximizing the likelihood of detecting cognitive efficacy.

Complete trials on time and on budget

CANTAB Connect studies can be set up rapidly and require minimal rater training due to the automated and consistent computerized test delivery. Data from remote sites is securely captured, scored and stored in a private cloud for real-time monitoring of study progress. Staff training, study management and data interpretation services are available to ensure successful trial completion.

Make informed decisions faster

CANTAB Connect automatically cleans captured data, flagging up any errors to increase study quality and data validity. The reliability of the data captured through the regulatory-approved CANTAB Connect software reduces risks, saves costs and accelerates informed decision making throughout clinical development.

Rely on CANTAB expertise

USED TO ASSESS
over 30
therapeutic areas

IN OVER
80
countries

TESTING IN
160
clinical trials



CANTAB customers report 100% satisfaction with our study management and clinical trial support services.

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