

Peak Achievement Centre uses Brain Resource reports in cases where objective evidence about cognition is needed to establish a brain health baseline and monitor treatment decisions.

What is cognition?

Everyday Thinking Skills:

MEMORY

ATTENTION

REACTION TIME

LANGUAGE

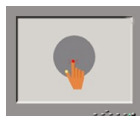
PROBLEM-SOLVING

EMOTION

Brain Resource WebNeuro is..

- A fully automated series of tests that reflect an individualised Personalised Cognitive Profile (including sensory-motor, memory, attention, verbal fluency, impulsivity and executive functions and well as emotion recognition and recall)
- Delivered on your PC with all task instructions provided through the Internet. Requires no real computer skills and can be used with young, elderly and impaired populations (6-90 years across a wide variety of applications, such as sport, recruitment, wellness etc)
- Precise performance analysis empowered by the world's first total quality controlled international database with over 300 journal articles demonstrating its validity.
- Upon completion of the tests, participant data is transmitted via a secure website to the Brain Resource Central Analysis Facility for individual assessment. Reports are provided within about 10 mins on a cost effective fee-per-report basis.
- Quick (about 30-40 minutes to complete)
- Evidence-based (see the research at Brain Dynamics Centre-Millennium Institute)
- Sensitive and private (your name is never revealed, only a code is received)

Well-known tests of Cognition



Motor tapping



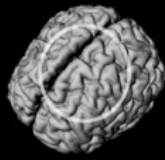
Switching of attention



Memory recognition



Executive maze



How will a Brain Resource Report help?

A Brain Resource Report helps us answer some key questions: Is there a problem? How significant is the problem? What is the best treatment strategy for that individual? And then the monitoring of improvement with treatment will demonstrate the efficacy of that intervention)

An evidence-based report may inform and support clinical decision making in:

- *ADHD - diagnosis and treatment decisions are evidence based*
- *Mild Cognitive Impairment and early detection of Alzheimer's Dementia facilitated*
- *Sleep Apnoea – assessing the effectiveness of treatment on Cognition*
- *Medico-legal decisions involving PTSD and Traumatic Brain Injury resource decisions in schools which depend on identification of student strengths and weaknesses*
- *Management of risk in the workplace – reports inform recruitment decisions and monitor consistency of vigilance skills*
- *Evidence-based Screening for Depression in the workplace and wider community.*

Why use this test?

A Brain Resource report helps your clinician to determine your particular cognitive strengths and weaknesses, design a treatment strategy tailored to meet your needs, objectively assess the effect of a treatment or incident on your cognitive skills.

Assessment helps the Psychologist to make informed decisions about client's psychological health.

What can I expect?

Your assessment includes:

2. An initial interview with the clinicians.
3. A comprehensive Cognitive assessment to measure everyday thinking skills" like memory, attention, language, reaction time and problem-solving. This is undertaken on a PC computer with Internet connection. The test takes around 30-40 minutes.
3. A series of tasks is presented. For each one you will be provided with simple instructions and an example. Some tasks are easy and some are hard, there is no pass or fail. A Web-based personal history questionnaire may also be undertaken.
4. The results are compared to others (the same age, sex and years of education) who have completed exactly the same tests, and a report is generated for the clinic.
5. The referring clinician will use the objective evidence from the Brain Resource report, along with other clinical tools, to inform diagnosis and treatment options.



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