

Working memory training in children with traumatic brain injury

Thank you for supporting our Randomised Controlled Trial (RCT) evaluating working memory training in children (aged 8 - 16 years) with traumatic brain injury (TBI). The study is actively recruiting participants from East Anglia and the South West of England.

Study updates

- Based on feedback from clinical services, we are currently processing various amendments to the study protocol through ethics. We are developing a poster to advertise the study at participant identification sites and seeking ethical approval to contact families who have previously been seen in clinics. In addition, due to feedback from families, we are planning a reduced assessment battery in the study. We will let you know as soon as the above amendments have been approved.
- Anna Adlam (study PI) presented her research on neuropsychological interventions for children, including the current research protocol at the Andalucía Neuropsychology Society Conference, Cadiz, Spain this month. The research study was well-received and the conference provided an opportunity to discuss developments in paediatric neuropsychology research and clinical practice in the UK and Spain.

Study aims

A TBI in childhood can lead to problems with working memory; this can cause further difficulties with learning, academic achievement, behaviour, and social functioning. The current study is evaluating a computerised working memory training programme with young people who have survived a TBI. We are interested in finding out what young people and their families think about the computerised training programme and whether the training programme helps with memory, attention, numeracy, and literacy.

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Who is eligible?

Study Inclusion Criteria:

- Survivors of moderate-severe paediatric TBI
- Medically stable
- At least 6-months post-injury
- Aged 8 yrs – 16 yrs: 11months at time of assessment
- Proficient English fluency
- Access to Internet

Study Exclusion Criteria:

- Evidence of visual/motor impairment preventing use of computer
- Medication affecting memory
- Premorbid diagnosis of learning disability
- Previous direct, repeated practice, working memory training
- Lack capacity to assent/consent

Contact details

If you have any questions related to this study, or experience any problems, please do not hesitate to contact us via, Anna Adlam (a.adlam@uea.ac.uk or a.r.adlam@exeter.ac.uk) or Darren Dunning (d.dunning@uea.ac.uk). We can also be contacted via our research team telephone number: 01603 59 1507.