

ILAE survey of neuropsychology practice in pediatric epilepsy surgery evaluation

Madison M. Berl^{1,2}, Mary Lou Smith^{3,4}, Christine Bulteau^{5,6}
and the Task Force for Pediatric Epilepsy Surgery for the ILAE
Commissions of Pediatrics, Surgical Therapies

¹ Children's National Health System, Division of Pediatric Neuropsychology,
Washington, DC

² George Washington University, Washington, DC, USA

³ Department of Psychology, University of Toronto Mississauga, Mississauga

⁴ Neurosciences and Mental Health Program, the Hospital for Sick Children, Toronto,
Canada

⁵ INSERM U1129 "Infantile Epilepsies and Brain Plasticity", Paris ; Université Paris
Descartes, Sorbonne Paris Cité; CEA, Gif sur Yvette

⁶ Rothschild Foundation Hospital, Pediatric Neurosurgery Department, Paris, France

Received September 15, 2016; Accepted March 05, 2017

- A survey was conducted on the use of neuropsychological tests in the pre-surgical assessment of children with epilepsy.
- 78 clinicians from 19 countries responded.
- Results indicated that there are 19 measures commonly used.
- 11 of 19 of the measures are also recommended by the NINDS Common Data Elements Working Group ([https://www.commondataelements.ninds.nih.gov/Epilepsy.aspx#tab=Data Standards](https://www.commondataelements.ninds.nih.gov/Epilepsy.aspx#tab=Data_Standards)).

- Those measures commonly in use may form the basis for:
 - developing multi-site collaborations through a common data repository.
 - assessing the sensitivity of tests to the effects of epilepsy and surgical outcome.
- However, consistency in the use of measures is lower among respondents from non-English-speaking countries which will be a barrier to collaboration.