HONE-In

(Health Outcomes and Neuropsychology Efficacy Initiative)

Neuropsychologists are increasingly being asked to provide evidence of effectiveness to support reimbursement for neuropsychological services, yet this information is not always easily accessible to neuropsychology practitioners. In response to this challenge, the National Academy of Neuropsychology (NAN) authorized its Legislative Action and Advocacy Committee (LAAC) to launch an initiative that would help NAN membership respond to these practice challenges. The result was the Health Outcomes and Neuropsychology Efficacy Initiative (HONE-In).

The primary goal of HONE-In is to assist NAN membership in any effort to demonstrate the value of neuropsychological services through cost effectiveness and/or cost savings. The HONE-In project was planned in three distinct phases described below. We are proud the present the results of Phase I and we look forward to working with NAN membership as we begin Phase II.

Phase I

On March 15, 2012 an action alert and call to action was sent to NAN membership. The call to action requested that NAN members send articles and/or citations to articles that referenced outcome utility of neuropsychological services. The LAAC HONE-In team reviewed each article for conformance with the HONE-In objectives and, wherever possible, created a short summary of the articles and its outcome utility. These summaries have been grouped by patient population and are now available on the NAN LAAC web-page. These summaries and citations can be used by NAN members to provide evidence of the utility of NP services AND/OR as talking points in meetings or presentations about neuropsychological services. Phase I is now complete.

Phase II

Phase II of the project is now underway! In Phase II the NAN membership is asked to contribute questions regarding the utility of neuropsychological assessment rather than articles or citations. The questions will be conceptualized as an issue-focused literature review project. In response, the LAAC HONE-In team will provide a short narrative response, including a list of relevant citations. Accumulation of citations for the references lists will be ongoing. In addition, each citation will be reviewed and added to the article summaries created in Phase I.

Phase III

We are investigating the possibility of a data collective whereby researchers could mine existing datasets using new analyses that could support the utility and/or cost effectiveness of neuropsychological services. This Phase is also being discussed as a possible collaboration with the NAN Grants committee.
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BRAIN INJURY, CONCUSSION, REHABILITATION

The predictive validity of a brief inpatient neuropsychologic battery for persons with traumatic brain injury.
Population: Traumatic brain injury, Inpatient rehabilitation
Categories: Outcome prediction
Date: 2008
Title: The predictive validity of a brief inpatient neuropsychologic battery for persons with traumatic brain injury
Type: Journal article

Utility: Prospective study of predictive validity of NP assessment during subacute brain injury rehab, including pts in PTA, within ~ 1 month of injury. Brief NP assessment predicted handicap, functional outcome, supervision needs, employability in adults w/ TBI at 1 year. Adding NP increased predictive power over injury severity and early functional status (with exceptions – SWLS and FIM Motor). Including those w/ PTA did not diminish predictive validity. Findings important given trend toward shorter rehab stays, strengthens argument for role of NP testing during acute rehab.

EMPLOYMENT

Cognitive ability predicts objectively measured counterproductive work behaviors
Population: Job applicants, Police Officer applicants
Categories: Cost Effectiveness of NP, Diagnostic Utility, Outcomes, Prediction
Authors: Dilchert S, Ones DS, Davis RD, Rostow CD.
Date: 2007
Title: Cognitive ability predicts objectively measured counterproductive work behaviors.
Type: Journal article
Citation:

Utility: Cognitive assessment using the Shipley Institute Living Scale (SILS) was able to predict counterproductive work behaviors (CWB) in a sample of police officer applicants. Provides support for the use of cognitive ability tests during personnel section. Expands scope to include prediction of CWB.

Notes: Could potentially lead to cost savings for employers by aiding the selection process which might eventually lead to increased retention of employees overtime and a decrease in CWB. Most previous CWB studies explored personality variables. Notes: N = 3021.

**GENERAL/MISCELLANEOUS**

**Utility of the neuropsychological evaluation in an acute medical hospital**
Population: General Primary Care
Categories: Directs treatment planning and discharge
Authors: Bishop CL, Temple, RO, Tremont G, Westervelt HJ, Stern RA.
Date: 2003
Title: Utility of the neuropsychological evaluation in an acute medical hospital.
Type: Journal article
Citation

The study includes 100 patients being discharged from a medical hospital who had undergone neuropsychological evaluation. A chart review of those patients and examination of discharge summaries indicated that placements of patients post discharge were consistent with neuropsychological recommendations 80% of the time, often citing specifics from the neuropsychological report. C-L psychiatry and occupational therapy consultation recommendations were much less frequently mentioned in discharge summaries. The article underscores the value of neuropsychological services in appropriate discharge planning and the perceived value of those services to the medical team.