CLSA Approved Project

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Project Title
Validity of interpretive algorithms for the neuropsychological batteries in the Tracking and Comprehensive databases: Foundation for research on cognition in the CLSA

Project Summary

Normative data were created for neuropsychological measures that accounted for language of administration, sex, advanced age and education. These normative data were novel in the use of weights to adjust for CLSA sampling procedures, but the validity of this approach is unclear. We will compare validity of the clinical algorithm based on normative data with and without adjustment for sampling weights. A second algorithmic approach will detail the lower order, intermediate and higher order relations between normatively corrected neuropsychological tests with measurement of cognitive domains, such as memory and executive function and overall cognition to create continuous cognitive summary scores. Finally we will explore validity of algorithms for the telephone-administered neuropsychological battery to support its use in remote testing.

Keywords
Neuropsychological battery, Normative data, Validity