

**CDE Notice of Copyright
NIH Toolbox Cognitive Battery**

Availability	<p>Please visit this website for more information about the instrument: NIH ToolBox Website.</p> <p>Information regarding iPad administration: NIH Toolbox and PROMIS iPad App</p> <p>Information regarding cost: Pricing for Tools</p>
Classification	<p>Supplemental – Highly Recommended: Sickle Cell Disease (SCD)</p>
Short Description of Instrument	<p>The battery contains 7 new, validated measures designed to assess unique domains of cognitive functioning (Episodic Memory, Reading, Vocabulary, Processing Speed, Working Memory, Executive Function, and Attention).</p> <p>The battery is administered on an iPad with the assistance of an examiner (e.g., research assistant, technician). The examiner will read instructions and administer measures. The iPad will record responses and compute normative scores based on age and other demographic categories. Administration time for the cognitive domain is = 30 minutes.</p> <p>Background/Purpose: The National Institutes of Health Toolbox is part of the NIH Blueprint initiative. It seeks to assemble brief, comprehensive assessment tools that will be useful in a variety of settings with an emphasis on measuring outcomes in epidemiologic studies and clinical trials over time and across the lifespan.</p> <p>NIH Toolbox Overview: The goal is to help improve communication within and between fields of biomedical research and advance knowledge by using common data elements. The battery will examine various cognitive (episodic memory, language, processing speed, working memory, executive functions, attention), emotional (negative affect, positive affect, stress and coping, social relationships), sensory (vestibular, audition, olfaction, taste, vision) and motor functions (dexterity, strength, locomotion, endurance, balance).</p>
Scoring and Psychometric Properties	<p>Psychometric Properties: The battery has gone through extensive work to identify and pre-test the constructs to be measured. All measures were validated and normed on a very large, nationally representative sample. Information on validation, norming, and measure development, as well as publications on the NIH Toolbox, are available on the NIH Toolbox Website</p> <p>Other Important Notes:</p>

The battery is designed to measure these domains in ages 3 through 85. All measures are available and normed in both English and Spanish.

References

NIH Toolbox Executive Summary. [NIH ToolBox](#) (accessed October 20, 2016).
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