



Key Points Summary

Brearily, T. W., Rowland, J. A., Martindale, S. L., Shura, R. D., Curry, D., & Taber, K. H. (2019). Comparability of iPad and web-based NIH Toolbox cognitive battery administration in veterans. *Archives of Clinical Neuropsychology: The Official Journal of the National Academy of Neuropsychologists*, 34(4), 524–530. <https://doi.org/10.1093/arclin/acy070>

Primary Question this Study Addresses

Are iPad and web-based test scores on the National Institutes of Health Toolbox Cognitive Battery comparable in combat-exposed, post-deployment Veterans?

Study Findings That Add to Our Knowledge

Score differences between platforms were found on the Flanker Inhibitory Control and Attention Test. Scores were moderately correlated across tests, with the exception of low correlations for the Pattern Comparison Processing Speed Test.

There were no differences in test scores between platforms for the Card Sort, List Sorting, or Pattern Comparison tests.

Most participants preferred iPad to web administration, regardless of administration order.

How Study Evidence Might Be Used in Practice

Users should use caution when interpreting iPad-acquired scores, particularly for the Flanker Inhibitory Control and Attention Test.

iPad-based testing offers valuable improvements; however, the development of iPad-specific norms may be necessary to ensure valid interpretation of acquired data.

For more information on TBI and cognitive testing, visit:

 [Resource](#)

To access the study abstract, click here:

 [Abstract](#)

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