

SUPPLEMENTAL MATERIAL

Table S1. Neuropsychological measures listed within the derived factor used in analyses.

Memory Factor

Test	Description	Reference
Newspaper Story: Immediate	Modification of the Logical Memory subtest from the Wechsler Memory Scale. Participants hear brief story and then recall it.	¹
Newspaper Story: Delayed	Recall after 30 minute delay	¹
Digit Symbol Substitution recall	Participants recall number-symbol pairs that were used during completion of WAIS-R Digit Symbol Substitution Test	^{2,3}
Rey Auditory Verbal Learning: Immediate	Participants hear a list of 15 unrelated words and then recall them. After 5 study/test trials, they hear a second, list, recall that list, and then recall the first list	⁴
Rey Auditory Verbal Learning: Delayed	Recall of first list after a 30 minute delay	⁴

Working Memory Factor

Test	Description	Reference
Rey Complex Figure: Immediate	Participants copy a complex geometric design; they then reproduce it from memory immediately after copying it	⁴
Rey Complex Figure: Delayed	Reproduce design after ~ 30 minute delay	⁴
Trails Making: Trails B error (inverted)	Number of errors made in completing Part B of the Trail Making Test	⁵
Letter-Number Sequencing	Participants hear a string of numbers and letters and then repeat them, with numbers first in ascending order, followed by letters in alphabetical order.	⁶
4 Word Short Term Memory	Participants hear 4 simple words, then hear a number from which they count backwards for 5, 15, or 30 second, and then recall the words.	⁷

Executive Function Factor

Test	Description	Reference
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Stroop Color-Word Interference	Participants see names of colors (e.g., 'red') printed in a different color ink and have to inhibit the highly learned reading response to name the color of the ink as quickly as possible	8
Verbal Fluency	Participants are asked to name all the words they can think of in 60 seconds that begin with a particular letter of the alphabet. Three trials are administered (letters F, A, S). Also are asked to name animals in 60 second trial	

Mental Inefficiency Factor

Test	Description	Reference
Digit Vigilance times	Participants rapidly scan rows of numbers and cross out all targets (number '6') quickly and accurately. Total time to complete both pages is recorded.	9
Trails Making: Trails A	Participants are presented with a page	5

time	of lettered dots and connect them in alphabetical order as quickly as possible.	
Digit Symbol time	This WAIS-R subtest requires participants to review a page of numbers (1-9) and substitute symbols below them, according to a fixed code as rapidly as possible.	²
Grooved Pegboard time	Rapidly place notched pegs into a board of 25 keyholes. Two trials (dominant and non-dominant hand) are administered.	¹⁰

Attention Factor

Test	Description	Reference
Digit Vigilance omissions	Number of targets missed during Digit Vigilance Test	⁹

Supplemental References:

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2. Wechsler D. *WAIS-R Manual*. New York: The Psychological Corporation; 1981.
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4. Lezak MD. Neuropsychological assessment (3rd ed.). (1995) *Neuropsychological assessment (3rd ed) xviii, 1026 pp New York, NY, US: Oxford University Press; US*. 1995.
5. Reitan R. Validity of the Trail Making Test as an indicator of organic brain damage. *Perceptual and Motor Skills*. 1958;8:271-276.
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