



Neuropsychological Assessment Battery™

Psychometric and Technical Manual

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Appendix D
Descriptive Statistics for Raw Scores
in the Special Group Studies

Table D.1
Descriptive Statistics for Screening Module Secondary and Descriptive Raw Scores in the Special Group Studies

Test	Acronym	Dementia group score ^a		Aphasia group score ^b		TBI group score ^c		HIV/AIDS group score ^d		MS group score ^e		Rehab group score ^f		Adult ADHD group score ^g	
		M	SD	M	SD	M	SD	M	SD	M	SD	M	SD	M	SD
Secondary score															
Screening Orientation	S-ORN	22.85	4.46	24.15	5.49	24.84	0.72	28.21	1.65	28.68	0.75	27.77	1.81	28.83	0.59
Screening Digits Forward Longest Span	S-DGF-spn	6.05	1.10	3.91	2.99	6.84	1.32	6.37	1.38	6.32	1.40	5.85	1.16	6.70	1.47
Screening Digits Backward Longest Span	S-DGB-spn	3.75	1.07	2.30	2.11	5.44	1.58	4.16	1.38	4.74	1.65	3.31	1.36	4.87	1.70
Screening Shape Learning Percent Retention	S-SHL-%rt	93.30	72.43	85.78	51.93	94.41	47.72	95.63	60.85	75.29	60.57	65.49	56.53	107.10	48.72
Screening Story Learning Percent Retention	S-STL-%rt	26.70	30.10	73.30	50.48	82.25	19.51	80.79	17.47	80.90	16.30	61.41	33.21	88.23	17.36
Screening Word Generation Perseverations	S-WGN-psv	0.62	0.77	0.15	0.46	0.09	0.30	0.32	0.67	0.19	0.40	0.36	0.54	0.10	0.31
Descriptive score															
Screening Orientation to Self	S-ORN-slf	11.50	2.86	11.78	3.06	14.00	0.00	13.79	0.42	13.90	0.30	13.82	0.64	14.00	0.00
Screening Orientation to Time	S-ORN-tim	9.80	2.98	11.15	3.32	9.91	0.53	9.63	0.96	9.97	0.18	9.18	1.32	10.00	0.00
Screening Orientation to Place	S-ORN-plc	8.20	4.41	10.63	3.86	3.94	0.25	3.84	0.50	3.81	0.54	3.79	0.57	3.87	0.43
Screening Orientation to Situation	S-ORN-sit	0.85	0.37	0.67	0.48	1.00	0.00	0.95	0.23	1.00	0.00	0.97	0.16	0.97	0.18
Screening Auditory Comprehension Colors	S-AUD-col	12.90	0.45	11.78	2.08	12.97	0.18	13.00	0.00	13.00	0.00	12.97	0.16	13.00	0.00
Screening Auditory Comprehension Shapes	S-AUD-shp	21.50	0.89	17.44	4.14	22.00	0.00	21.53	1.31	21.94	0.36	21.28	1.28	21.87	0.43
Screening Auditory Comprehension Colors/Shapes/Numbers	S-AUD-csn	19.65	1.69	16.70	4.08	20.91	0.39	20.47	1.47	20.97	0.18	20.26	1.25	20.93	0.25
Screening Naming Percent Correct After Semantic Cuing	S-NAM-sem%	21.11	25.84	9.00	20.47	20.78	37.09	25.00	46.29	18.18	40.45	18.18	33.19	41.67	49.16
Screening Naming Percent Correct After Phonemic Cuing	S-NAM-pho%	64.06	34.47	25.15	31.45	84.38	64.00	83.33	40.82	72.22	36.32	52.07	43.79	100.00	0.00

Note. TBI = traumatic brain injury; HIV = human immunodeficiency virus; AIDS = acquired immune deficiency syndrome; MS = multiple sclerosis; Rehab = inpatient rehabilitation; ADHD = attention-deficit/hyperactivity disorder.

^a*N* = 20. ^b*N* = 27. ^c*N* = 31. ^d*N* = 19. ^e*N* = 31. ^f*N* = 39. ^g*N* = 30.

Table D.2
Descriptive Statistics for Attention Module Secondary
and Descriptive Raw Scores in the Special Group Studies

Test	Acronym	TBI group score ^a		HIV/AIDS group score ^b		MS group score ^c		Adult ADHD group score ^d	
		<i>M</i>	<i>SD</i>	<i>M</i>	<i>SD</i>	<i>M</i>	<i>SD</i>	<i>M</i>	<i>SD</i>
Secondary score									
Orientation	ORN	28.84	0.72	28.21	1.65	28.68	0.75	28.83	0.59
Digits Forward Longest Span	DGF–spn	6.84	1.32	6.37	1.38	6.32	1.40	6.70	1.47
Digits Backward Longest Span	DGB–spn	5.44	1.58	4.16	1.38	4.74	1.65	4.87	1.70
Descriptive score									
Orientation to Self	ORN–slf	14.00	0.00	13.79	0.42	13.90	0.30	14.00	0.00
Orientation to Time	ORN–tim	9.91	0.53	9.63	0.96	9.97	0.18	10.00	0.00
Orientation to Place	ORN–plc	3.94	0.25	3.84	0.50	3.81	0.54	3.87	0.43
Orientation to Situation	ORN–sit	1.00	0.00	0.95	0.23	1.00	0.00	0.97	0.18

Note. TBI = traumatic brain injury; HIV = human immunodeficiency virus; AIDS = acquired immune deficiency syndrome; MS = multiple sclerosis; ADHD = attention-deficit/hyperactivity disorder.

^a*N* = 31. ^b*N* = 19. ^c*N* = 31. ^d*N* = 30.

Table D.3
Descriptive Statistics for Language Module Secondary
and Descriptive Raw Scores in the Special Group Studies

Test	Acronym	Aphasia group score ^a		TBI group score ^b		HIV/AIDS group score ^c		MS group score ^d		Adult ADHD group score ^e	
		<i>M</i>	<i>SD</i>	<i>M</i>	<i>SD</i>	<i>M</i>	<i>SD</i>	<i>M</i>	<i>SD</i>	<i>M</i>	<i>SD</i>
Secondary score											
Reading Comprehension	RCN	11.93	1.77	12.97	0.18	13.00	0.00	13.00	0.00	12.97	0.18
Writing Legibility	WRT–leg	1.33	0.88	1.87	0.34	1.79	0.42	1.84	0.37	1.90	0.31
Writing Spelling	WRT–spl	1.85	1.26	2.58	0.50	2.58	0.51	2.58	0.50	2.53	0.51
Writing Syntax	WRT–syn	1.56	1.25	2.94	0.25	3.00	0.00	2.97	0.18	3.00	0.00
Writing Conveyance	WRT–cnv	1.07	1.04	2.61	0.56	2.16	0.69	2.48	0.57	2.67	0.66
Descriptive score											
Auditory Comprehension Colors	AUD–col	11.78	2.08	12.97	0.18	13.00	0.00	13.00	0.00	13.00	0.00
Auditory Comprehension Shapes	AUD–shp	17.44	4.14	22.00	0.00	21.53	1.31	21.94	0.36	21.87	0.43
Auditory Comprehension Colors/Shapes/Numbers	AUD–csn	16.70	4.08	20.91	0.39	20.47	1.47	20.97	0.18	20.93	0.25
Auditory Comprehension Pointing	AUD–pnt	5.74	0.59	6.00	0.00	6.00	0.00	6.00	0.00	6.00	0.00
Auditory Comprehension Yes/No	AUD–y/n	6.67	2.60	9.68	0.91	9.16	1.54	9.42	1.29	9.67	0.92
Auditory Comprehension Paper Folding	AUD–fld	11.59	3.43	16.67	0.76	15.42	2.09	15.97	1.25	16.30	1.15
Naming Percent Correct After Semantic Cuing	NAM–sem%	12.63	23.29	46.33	46.99	43.33	45.59	47.73	45.35	37.50	48.95
Naming Percent Correct After Phonemic Cuing	NAM–pho%	40.30	32.02	83.33	40.82	66.63	38.87	73.86	38.31	85.71	37.80
Reading Comprehension Words	RCN–wrđ	5.70	0.72	6.00	0.00	6.00	0.00	6.00	0.00	6.00	0.00
Reading Comprehension Sentences	RCN–sen	6.22	1.28	6.97	0.18	7.00	0.00	7.00	0.00	6.97	0.18

Note. TBI = traumatic brain injury; HIV = human immunodeficiency virus; AIDS = acquired immune deficiency syndrome; MS = multiple sclerosis; ADHD = attention-deficit/hyperactivity disorder.

^a*N* = 27. ^b*N* = 31. ^c*N* = 19. ^d*N* = 31. ^e*N* = 30.

Table D.4
Descriptive Statistics for Memory Module Secondary
and Descriptive Raw Scores in the Special Group Studies

Test	Acronym	Aphasia group score ^a		TBI group score ^b		HIV/AIDS group score ^c		MS group score ^d		Adult ADHD group score ^e	
		<i>M</i>	<i>SD</i>	<i>M</i>	<i>SD</i>	<i>M</i>	<i>SD</i>	<i>M</i>	<i>SD</i>	<i>M</i>	<i>SD</i>
Secondary score											
List Learning List A Trial 1 Immediate Recall	LLA1–irc	2.85	1.57	5.28	1.65	4.58	1.17	5.45	1.95	5.40	1.52
List Learning List A Trial 2 Immediate Recall	LLA2–irc	4.40	1.90	8.31	2.22	7.16	2.01	7.65	2.35	8.30	1.90
List Learning List A Trial 3 Immediate Recall	LLA3–irc	4.95	2.04	9.72	2.26	8.21	1.81	9.00	2.24	9.70	1.70
List Learning List A Percent Retention	LLA–%rt	19.40	51.41	97.66	21.40	80.47	41.78	93.39	26.69	97.57	21.80
List Learning List A Long Delayed Forced-Choice Recognition	LLA–dfc	8.25	2.38	10.97	1.28	10.58	1.22	10.55	1.52	10.83	1.32
List Learning List A Long Delayed Forced-Choice Recognition False Alarms	LLA–fa	8.95	4.35	3.31	3.68	4.39	3.76	1.71	2.19	1.77	2.88
List Learning List A Discriminability Index	LLA–dis	1.10	1.68	7.78	3.75	6.39	4.00	8.84	2.96	9.10	3.08
List Learning List A Recall vs. Recognition	LLA–rvr	8.80	23.29	69.47	25.71	49.58	29.42	62.97	21.91	74.00	22.16
Shape Learning Trial 1 Immediate Recognition	SHL1–irg	2.80	1.51	4.47	1.29	3.95	1.58	4.16	2.03	4.90	1.47
Shape Learning Trial 2 Immediate Recognition	SHL2–irg	3.35	2.08	5.84	1.71	4.37	1.77	5.19	1.78	6.57	1.50
Shape Learning Trial 3 Immediate Recognition	SHL3–irg	3.15	1.14	6.81	1.49	5.21	2.23	5.29	1.68	6.70	1.70
Shape Learning Percent Retention	SHL–%rt	94.40	49.77	92.78	19.40	106.68	37.79	106.00	31.78	100.37	23.62
Shape Learning Delayed Forced-Choice Recognition	SHL–dfc	5.35	2.06	7.56	1.61	7.58	1.39	7.29	1.44	8.00	1.05
Shape Learning Delayed Forced-Choice Recognition False Alarms	SHL–fa	3.60	2.21	0.34	0.94	1.05	1.39	0.55	1.34	0.53	1.59
Shape Learning Discriminability Index	SHL–dis	1.95	2.44	7.22	1.98	6.53	2.32	6.74	2.08	7.47	1.70
Story Learning Trial 1 Phrase Unit	STL1–irc:phu	14.60	6.59	28.63	6.11	23.79	7.44	25.71	7.22	28.50	5.25
Story Learning Trial 2 Phrase Unit	STL2–irc:phu	19.75	8.69	35.03	4.41	29.79	7.25	34.65	6.17	35.60	3.78
Story Learning Thematic Unit Immediate Recall	STL–irc:thu	10.10	3.84	16.63	2.38	14.53	3.85	16.87	4.77	17.53	1.76
Story Learning Trial 1 Thematic Unit	STL1–irc:thu	4.35	1.66	7.56	1.63	6.68	2.11	7.03	1.96	8.10	1.24
Story Learning Trial 2 Thematic Unit	STL2–irc:thu	5.75	2.36	9.06	1.24	7.84	1.95	9.84	3.77	9.43	0.86
Story Learning Thematic Unit Delayed Recall	STL–drc:thu	3.15	3.47	8.72	1.67	7.37	2.54	8.68	1.96	9.30	1.02
Story Learning Phrase Unit Percent Retention	STL–%rt	43.85	39.54	94.38	10.85	85.95	27.30	88.19	11.50	96.07	12.40

(continued)

Table D.4 (continued)
Descriptive Statistics for Memory Module Secondary
and Descriptive Raw Scores in the Special Group Studies

Test	Acronym	Aphasia group score ^a		TBI group score ^b		HIV/AIDS group score ^c		MS group score ^d		Adult ADHD group score ^e	
		<i>M</i>	<i>SD</i>	<i>M</i>	<i>SD</i>	<i>M</i>	<i>SD</i>	<i>M</i>	<i>SD</i>	<i>M</i>	<i>SD</i>
Daily Living Memory Retention	DLM-rt	28.68	33.74	89.66	10.85	80.11	23.11	83.10	18.11	92.93	8.91
Daily Living Memory Delayed Recognition	DLM-drg	5.35	2.08	9.47	0.80	8.42	1.95	8.68	1.66	9.30	0.84
Daily Living Memory Recall vs. Recognition	DLM-rvr	53.47	57.89	152.75	21.78	150.58	33.12	151.06	25.49	163.10	13.39
Medication Instructions Immediate Recall	MED-irc	15.00	4.95	24.34	3.87	23.11	3.05	23.65	2.98	24.83	2.38
Medication Instructions Delayed Recall	MED-drc	2.05	2.48	8.22	1.34	7.37	1.57	7.65	1.58	8.30	0.95
Medication Instructions Delayed Recognition	MED-drg	0.60	0.60	1.72	0.52	1.21	0.98	1.42	0.81	1.63	0.56
Name/Address/Phone Immediate Recall	NAP-irc	9.45	4.71	20.09	3.00	17.63	4.13	17.68	4.14	19.27	2.46
Name/Address/Phone Delayed Recall	NAP-drc	1.26	2.47	6.28	1.90	5.42	2.95	5.52	2.17	6.83	1.37
Name/Address/Phone Delayed Recognition	NAP-drg	4.75	1.94	7.75	0.51	7.21	1.23	7.26	1.26	7.67	0.55
Descriptive score											
List Learning Semantic Clusters	LL-sem	2.80	2.38	15.34	8.52	9.47	5.31	13.06	8.77	13.40	7.33
List Learning Perseverations	LL-psv	0.80	1.20	1.56	2.90	1.58	1.54	2.13	2.49	1.73	1.44
List Learning Intrusions	LL-int	3.25	2.73	1.56	1.85	1.74	1.69	1.23	1.45	1.40	1.43

Note. TBI = traumatic brain injury; HIV = human immunodeficiency virus; AIDS = acquired immune deficiency syndrome; MS = multiple sclerosis; ADHD = attention-deficit/hyperactivity disorder.

^a*N* = 27. ^b*N* = 31. ^c*N* = 19. ^d*N* = 31. ^e*N* = 30.

Table D.5
Descriptive Statistics for Spatial Module Secondary Raw Scores in the Special Group Studies

Test	Acronym	TBI group score ^a		HIV/AIDS group score ^b		MS group score ^c		Adult ADHD group score ^d	
		<i>M</i>	<i>SD</i>	<i>M</i>	<i>SD</i>	<i>M</i>	<i>SD</i>	<i>M</i>	<i>SD</i>
Secondary score									
Figure Drawing Copy Fragmentation	FGD–cpy:frg	3.84	1.44	4.21	0.98	4.03	1.27	3.97	1.18
Figure Drawing Copy Planning	FGD–cpy:pln	3.16	0.78	3.05	0.91	3.30	1.06	3.48	0.78
Figure Drawing Immediate Recall Organization	FGD–irc:org	6.00	2.10	6.32	2.11	6.57	2.57	6.55	2.52
Figure Drawing Immediate Recall Fragmentation	FGD–irc:frg	3.50	1.41	3.95	1.03	3.77	1.50	3.52	1.60
Figure Drawing Immediate Recall Planning	FGD–irc:pln	2.45	0.96	2.37	1.26	2.80	1.35	3.03	1.15
Figure Drawing Percent Retention	FGD–%rt	79.13	16.87	75.16	17.17	71.87	19.93	78.80	19.28

Note. TBI = traumatic brain injury; HIV = human immunodeficiency virus; AIDS = acquired immune deficiency syndrome; MS = multiple sclerosis; ADHD = attention-deficit/hyperactivity disorder.

^a*N* = 31. ^b*N* = 19. ^c*N* = 31. ^d*N* = 30.

Table D.6
Descriptive Statistics for Executive Functions Module Secondary Raw Scores in the Special Group Studies

Score	Acronym	TBI group score ^a		HIV/AIDS group score ^b		MS group score ^c		Adult ADHD group score ^d	
		<i>M</i>	<i>SD</i>	<i>M</i>	<i>SD</i>	<i>M</i>	<i>SD</i>	<i>M</i>	<i>SD</i>
		Secondary score							
Word Generation Perseverations	WGN-psv	0.31	0.82	0.21	0.42	0.77	1.23	0.48	0.74

Note. TBI = traumatic brain injury; HIV = human immunodeficiency virus; AIDS = acquired immune deficiency syndrome; MS = multiple sclerosis; ADHD = attention-deficit/hyperactivity disorder.

^a*N* = 31. ^b*N* = 19. ^c*N* = 31. ^d*N* = 30.