

Supplement B – Participant Language and Cognitive Profiles

Subtest	Max	Participants																	
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
<b>Expressive Language</b>																			
<b>Naming</b>																			
Nouns (SydBat <sup>a</sup> )	30	29	28	18*	26	5*	23	28	19*	4*	27	18*	7*	10*	29	18*	23	7*	19*
Actions (CAT <sup>c</sup> )	10	9	10	4**	9	2**	10	10	8	0**	10	7**	0**	4**	10	8	8	0**	10
<b>Repetition</b>																			
Objects (SydBat)	30	29*	27*	30	29*	29*	26*	10*	30	29*	29*	26*	11*	26*	29*	29*	29*	29*	28*
Non-Words (CAT)	10	6	8	10	10	8	10	8	10	10	6	9	10	8	10	8	10	10	8
Sentences (MAE <sup>b</sup> )	14	8*	8*	7*	6*	4*	7*	9	7*	5*	8*	3*	0*	4*	12	2*	6*	9	8*
<b>Picture Descriptions</b>																			
Spoken (CAT)	65+	46	42	28**	27**	15**	30**	36	33**	14**	53	30**	9**	22**	49	22**	19**	47	42
Written (CAT)	35+	16**	20	NA	14**	8**	22	25	28	11**	35	14**	0**	0**	24	4**	24	15**	33
<b>Receptive Language</b>																			
<b>Single words</b>																			
Word-Pic Match (SydBat)	30	30	29	24*	25*	21*	28	29	28	1*	30	30	25*	25*	30	25*	26*	14*	28
Semantic Assoc (SydBat)	30	29	28	17*	26	22*	26	29	24*	5*	29	28	15*	24*	30	23*	21*	11*	29
Reading (CAT)	70	68	64	70	67	53**	69	68	66	52**	66	NA	39**	56**	69	60	69	60	61
<b>Sentences</b>																			
Spoken (CAT)	32	29	30	19**	29	22**	25**	32	30	24**	32	25**	17**	20**	32	25**	23**	32	25**
Written (CAT)	32	31	31	15**	30	28	28	28	30	30	32	16**	12**	23**	32	24	20**	32	27
Paragraphs (CAT)	4	4	4	3.5	4	4	4	4	3.5	4	4	4	2.5**	2.5**	4	4	2.5**	3	2**
<b>Cognitive Screen (ACE-III)</b>																			
Memory	26	26	25	24	23	5	25	24	20	7	21	16	0	5	25	15	20	13	18
Attention	18	18	18	14	15	8	14	17	18	13	18	13	1	4	17	14	12	13	17
Fluency	14	8	12	2	5	1	11	9	12	4	9	7	0	3	12	1	1	10	9
Language	26	25	24	21	22	13	24	25	24	8	26	18	7	13	25	21	16	10	23
Visuospatial	16	16	16	13	12	9	15	15	16	11	16	15	11	6	15	9	12	14	14
Total	100	93	95	74#	77#	36#	89	90	90	43#	90	69#	19#	31#	94	60#	61#	60#	81#
<b>Cognition (WAIS-IV)</b>																			
Forward Digit Span	20	7	13	9	8	6	8	9	10	16	8	3*	1*	4	9	5	6	8	8
Backward Digit Span	20	8	11	6	8	5	10	10	10	16	6	6	1*	2*	11	3*	5	7	11
Coding	20	NA	NA	NA	NA	NA	16	NA	13	NA	NA	2*	NA	1*	14	7	4	7	10
Matrix Reasoning	20	15	12	7	9	8	10	12	14	11	14	11	3*	2*	13	6	7	14	5

\* >2SD from the mean for healthy controls

\*\* <cut-off point for healthy controls on the CAT

# Scores below 88 are indicative of dementia as per Hsieh, Schubert, Hoon, Mioshi and Hodges (2013)

a Normative data are derived from Savage et al. (2013)

b Normative data are derived from Leyton et al. (2014)

c Normative data are derived from Swinburn, Porter and Howard (2004)

d Normative data are derived from Wechsler (2008). Standard scores have a mean of 10 and SD of 3.

NA: The Coding subtest was not administered to 9 participants due to inability to administer this test via telehealth. Other NA cells are due to the test being discontinued or not administered due to significant participant distress.

Note: Across all tests, higher numbers indicate better performance. All scores are raw scores except for subtest from the WAIS, which are scaled scores. For scaled scores, scores range from 1-20 where the mean=5 and SD=3.