

### Cognitive assessment results by task

			CT		AC	
TASK	Group x Time Interaction		Pre	Post	Pre	Post
Overall Cognitive Composite	$p = .010$	mean	-0.11	0.21	-0.09	0.04
		SD	0.45	0.36	0.43	0.46
		count	29	28	30	29
Processing Speed Composite	$p = .011$	mean	-0.14	0.40	-0.12	-0.02
		SD	0.72	0.72	0.66	0.78
		count	29	20	30	20
DSST	$p = .014$	mean	67.86	77.10	67.90	69.10
		SD	11.15	12.22	10.56	14.88
		count	29	20	30	20
Pattern Comparison	$p = .180$	mean	15.10	16.33	15.50	15.95
		SD	2.10	2.54	2.08	2.17
		count	29	20	30	20
Letter Comparison	$p = .246$	mean	10.52	11.08	10.32	10.28
		SD	1.63	1.73	1.76	1.82
		count	29	20	30	20
Working Memory Composite	$p = .017$	mean	-0.06	0.33	-0.20	-0.04
		SD	0.53	0.41	0.69	0.68
		count	29	27	30	29
Working Memory RT Composite	$p = .001$	mean	-0.13	0.34	-0.19	0.01
		SD	0.84	0.60	0.72	0.76
		count	29	27	30	29
Working Memory ACC Composite	$p = .331$	mean	0.01	0.30	-0.20	-0.09
		SD	0.47	0.50	0.97	0.87
		count	29	27	30	29
Nback Composite	$p = .002$	mean	-0.11	0.64	-0.38	-0.10
		SD	0.69	0.62	0.97	0.80
		count	29	27	30	29
Nback ACC	$p = .632$	mean	0.86	0.91	0.82	0.86
		SD	0.08	0.07	0.15	0.11
		count	29	27	30	29
Nback RT	$p < .001$	mean	1129.35	951.92	1157.11	1121.40
		SD	156.21	153.39	170.32	145.25

		count	29	27	30	29
VSTM Composite	$p = .141$	mean	0.02	0.30	-0.17	-0.13
		SD	0.59	0.50	0.63	0.82
		count	29	27	30	29
VSTM Accuracy	$p = .355$	mean	0.65	0.66	0.65	0.63
		SD	0.06	0.06	0.07	0.09
		count	29	27	30	29
VSTM RT	$p = .213$	mean	1383.45	1239.29	1465.94	1388.65
		SD	297.92	258.82	325.34	352.63
		count	29	27	30	29
SPWM Composite	$p = .919$	mean	-0.09	0.04	-0.05	0.11
		SD	0.77	0.65	0.91	0.89
		count	29	27	30	29
SPWM Accuracy	$p = .644$	mean	0.76	0.79	0.74	0.76
		SD	0.08	0.11	0.16	0.15
		count	29	27	30	29
SPWM RT	$p = .551$	mean	1205.33	1209.10	1170.50	1144.68
		SD	185.39	117.37	133.75	139.34
		count	29	27	30	29
Executive Control Composite	$p = .213$	mean	0.11	-0.14	0.06	-0.06
		SD	0.71	0.47	0.65	0.52
		count	29	28	30	29
Stroop Cost Composite	$p = .593$	mean	-0.01	-0.24	0.19	0.05
		SD	0.74	0.80	0.92	0.78
		count	29	27	30	29
Stroop Congruent ACC	$p = .876$	mean	0.98	0.98	0.97	0.97
		SD	0.02	0.02	0.03	0.06
		count	29	27	30	29
Stroop Incongruent ACC	$p = .531$	mean	0.94	0.95	0.93	0.93
		SD	0.04	0.04	0.05	0.08
		count	29	27	30	29
Stroop Congruent RT	$p = .001$	mean	884.68	786.06	912.94	879.36
		SD	94.93	98.54	128.75	124.75
		count	29	27	30	29
Stroop Incongruent RT	$p = .005$	mean	1021.03	909.45	1061.41	1011.23
		SD	104.33	112.49	144.53	127.01
		count	29	27	30	29

Flanker Cost Composite	$p = .234$	mean	0.15	-0.08	-0.05	-0.04
		SD	1.03	0.52	0.96	0.73
		count	29	28	30	29
Flanker ACC Congruent	$p = .168$	mean	0.98	0.98	0.89	0.96
		SD	0.03	0.02	0.29	0.07
		count	29	28	30	29
Flanker ACC Incongruent	$p = .390$	mean	0.86	0.87	0.78	0.86
		SD	0.23	0.12	0.34	0.25
		count	29	28	30	29
Flanker RT Congruent	$p = .001$	mean	686.24	603.05	712.97	686.24
		SD	106.32	79.85	156.31	117.07
		count	29	28	28 <sup>#</sup>	29
Flanker RT Incongruent	$p = .003$	mean	883.47	752.03	874.77	852.89
		SD	208.32	110.65	152.87	145.96
		count	29	28	28 <sup>#</sup>	29
Trail B-A Cost	$p = .901$	mean	0.18	-0.06	0.06	-0.19
		SD	1.20	0.83	1.16	0.72
		count	29	27	30	29
Trail A	$p = .551$	mean	31.77	27.57	32.53	30.09
		SD	9.57	5.95	10.28	10.39
		count	29	27	30	29
Trail B	$p = .668$	mean	68.79	60.00	67.30	60.09
		SD	23.09	16.37	21.71	16.59
		count	29	27	30	29
AB Cost	$p = .421$	mean	0.17	0.46	-0.27	-0.16
		SD	0.83	1.17	0.52	0.52
		count	29	27	29	29
Lag 2 Accuracy	$p = .694$	mean	0.41	0.43	0.58	0.61
		SD	0.28	0.28	0.26	0.32
		count	29	27	29	29
Lag 8 Accuracy	$p = .822$	mean	0.77	0.81	0.80	0.82
		SD	0.25	0.17	0.17	0.18
		count	29	27	29	29
Lag 2 RT	$p = .678$	mean	770.10	801.37	811.68	744.31
		SD	223.96	536.88	300.89	188.92
		count	25 <sup>#</sup>	25 <sup>#</sup>	29	28

Lag 8 RT	$p = .747$	mean	792.09	644.48	894.20	767.92
		SD	230.80	181.10	375.61	194.85
		count	28 <sup>#</sup>	27 <sup>#</sup>	29	29
# Reduced number of participants due to 0 accuracy						