

Supplementary Table 3 | Main and interaction effects of cognitive state, time of scan, and gender across networks.

Predictor	SN			DMN			FPN			SMN (hand)			SMN (mouth)			DAN		
	Estimate	CI	p value	Estimate	CI	p value	Estimate	CI	p value	Estimate	CI	p value	Estimate	CI	p value	Estimate	CI	p value
Intercept	0.3	0.23 – 0.37	<0.001	0.32	0.27 – 0.37	<0.001	0.28	0.22 – 0.35	<0.001	0.49	0.40 – 0.59	<0.001	0.85	0.74 – 0.96	<0.001	0.16	0.10 – 0.22	<0.001
MCI diagnosis	0	-0.07 – 0.06	0.916	0.01	-0.04 – 0.06	0.641	0.03	-0.03 – 0.09	0.328	-0.01	-0.11 – 0.09	0.852	-0.07	-0.18 – 0.04	0.195	-0.02	-0.08 – 0.04	0.55
AD diagnosis	-0.06	-0.17 – 0.04	0.213	0	-0.08 – 0.08	0.99	-0.04	-0.14 – 0.05	0.396	-0.05	-0.19 – 0.10	0.519	-0.11	-0.27 – 0.05	0.188	0	-0.09 – 0.08	0.964
Time of scan	0	-0.01 – -0.00	0.014	0	-0.01 – -0.00	0.027	0	-0.00 – 0.00	0.377	0	-0.01 – 0.00	0.317	0	-0.01 – 0.00	0.113	0	-0.00 – 0.00	0.931
Gender (male)	0.01	-0.06 – 0.07	0.793	-0.04	-0.09 – 0.01	0.096	0.03	-0.03 – 0.09	0.369	0.02	-0.07 – 0.11	0.697	-0.02	-0.12 – 0.09	0.737	0.03	-0.03 – 0.08	0.294
Mean framewise displacement	0.17	0.11 – 0.22	<0.001	-0.03	-0.08 – 0.01	0.091	0.11	0.05 – 0.16	<0.001	0.14	0.06 – 0.22	<0.001	-0.17	-0.26 – -0.08	<0.001	0.08	0.04 – 0.13	0.001
Age	0	-0.00 – 0.00	0.08	0	-0.00 – -0.00	0.001	0	-0.00 – 0.00	0.153	0	-0.00 – -0.00	0.005	0	-0.01 – -0.00	<0.001	0	-0.00 – 0.00	0.657
Positive history of sedative or hypnotics usage	-0.02	-0.05 – 0.01	0.262	0	-0.02 – 0.02	0.979	-0.01	-0.04 – 0.02	0.485	-0.01	-0.05 – 0.03	0.582	-0.01	-0.06 – 0.04	0.784	-0.01	-0.04 – 0.01	0.375
Positive history of hypertension	0	-0.01 – 0.01	0.829	0	-0.01 – 0.01	0.845	0	-0.01 – 0.01	0.742	0	-0.02 – 0.01	0.703	-0.02	-0.04 – -0.00	0.04	0.01	0.00 – 0.02	0.018
MCI diagnosis X Time of scan	0	-0.01 – 0.00	0.785	0	-0.01 – 0.00	0.561	0	-0.01 – 0.00	0.248	0	-0.01 – 0.01	0.838	0	-0.01 – 0.01	0.592	0	-0.00 – 0.01	0.817
AD diagnosis X Time of scan	0	-0.00 – 0.01	0.305	0	-0.01 – 0.01	0.97	0	-0.00 – 0.01	0.372	0	-0.01 – 0.01	0.869	0	-0.01 – 0.02	0.492	0	-0.01 – 0.01	0.958
MCI diagnosis X Gender	-0.01	-0.10 – 0.09	0.902	0.01	-0.06 – 0.08	0.821	-0.04	-0.13 – 0.05	0.361	-0.05	-0.19 – 0.08	0.434	0.04	-0.11 – 0.20	0.586	0.03	-0.05 – 0.11	0.478
AD diagnosis X Gender	-0.06	-0.20 – 0.08	0.419	-0.02	-0.13 – 0.08	0.686	-0.02	-0.15 – 0.12	0.79	0.03	-0.17 – 0.23	0.775	0.1	-0.13 – 0.33	0.395	-0.04	-0.16 – 0.08	0.514
Time of scan X Gender	0	-0.00 – 0.01	0.536	0	0.00 – 0.01	0.015	0	-0.01 – 0.00	0.934	0	-0.01 – 0.01	0.678	0	-0.00 – 0.01	0.406	0	-0.01 – 0.00	0.433
MCI diagnosis X Time of scan X Gender	0	-0.01 – 0.01	0.92	0	-0.01 – 0.00	0.66	0	-0.00 – 0.01	0.349	0	-0.01 – 0.02	0.446	0	-0.01 – 0.01	0.8	0	-0.01 – 0.00	0.485
AD diagnosis X Time of scan X Gender	0	-0.01 – 0.02	0.442	0	-0.01 – 0.01	0.808	0	-0.01 – 0.01	0.809	0	-0.02 – 0.01	0.822	-0.01	-0.02 – 0.01	0.584	0	-0.01 – 0.01	0.551