

Extended Data Table 2 | Main and interaction effects of cognitive state and time of scan

Predictor	SN			DMN	
	Estimate	CI	<i>p</i> value	Estimate	CI
Intercept	0.29	0.228 – 0.352	<0.001	0.298	0.251 – 0.345
MCI diagnosis	-0.011	-0.058 – 0.036	0.641	0.006	-0.029 – 0.041
AD diagnosis	-0.099	-0.169 – -0.029	0.006	-0.02	-0.073 – 0.032
Time of scan	-0.003	-0.006 – -0.001	0.008	-0.001	-0.003 – 0.001
Mean framewise displacement	0.165	0.111 – 0.219	<0.001	-0.035	-0.076 – 0.005
Age	-0.001	-0.001 – 0.000	0.088	-0.001	-0.001 – -0.000
Gender (male)	0.028	0.017 – 0.039	<0.001	0.014	0.005 – 0.022
Positive history of sedative or hypnotics usage	-0.017	-0.047 – 0.012	0.251	0	-0.023 – 0.022
Positive history of hypertension	-0.001	-0.012 – 0.010	0.822	-0.001	-0.009 – 0.008
MCI diagnosis X Time of scan	0	-0.004 – 0.004	0.930	-0.001	-0.004 – 0.002

AD diagnosis X Time of scan	0.007	0.001 – 0.012	0.015	0.001	-0.003 – 0.005
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in across networks.

	FPN			SMN (hand)		
<i>p</i> value	Estimate	CI	<i>p</i> value	Estimate	CI	<i>p</i> value
<0.001	0.284	0.225 – 0.344	<0.001	0.483	0.394 – 0.573	<0.001
0.730	0.007	-0.037 – 0.051	0.747	-0.044	-0.112 – 0.023	0.196
0.450	-0.051	-0.116 – 0.015	0.131	-0.036	-0.136 – 0.065	0.483
0.382	-0.001	-0.004 – 0.001	0.232	-0.002	-0.005 – 0.002	0.344
0.090	0.106	0.055 – 0.157	<0.001	0.141	0.063 – 0.218	<0.001
0.001	0	-0.001 – 0.000	0.165	-0.001	-0.002 – -0.000	0.006
0.002	0.025	0.014 – 0.036	<0.001	0.038	0.022 – 0.054	<0.001
0.978	-0.01	-0.037 – 0.018	0.504	-0.011	-0.053 – 0.032	0.623
0.862	-0.002	-0.013 – 0.008	0.684	-0.004	-0.020 – 0.012	0.648
0.479	-0.001	-0.004 – 0.002	0.582	0.002	-0.003 – 0.007	0.462

0.601	0.004	-0.001 – 0.009	0.120	0	-0.008 – 0.008	0.946
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SMN (mouth)			DAN		
Estimate	CI	<i>p</i> value	Estimate	CI	<i>p</i> value
0.83	0.728 – 0.933	<0.001	0.17	0.116 – 0.225	<0.001
-0.057	-0.133 – 0.018	0.137	0.004	-0.036 – 0.044	0.857
-0.065	-0.178 – 0.048	0.260	-0.02	-0.079 – 0.040	0.517
-0.003	-0.007 – 0.001	0.168	-0.001	-0.003 – 0.002	0.591
-0.169	-0.257 – -0.080	<0.001	0.083	0.036 – 0.129	<0.001
-0.005	-0.006 – -0.004	<0.001	0	-0.001 – 0.000	0.610
0.038	0.020 – 0.057	<0.001	0.008	-0.002 – 0.018	0.122
-0.004	-0.052 – 0.044	0.882	-0.013	-0.038 – 0.013	0.325
-0.02	-0.039 – -0.002	0.033	0.012	0.002 – 0.022	0.014
0.002	-0.004 – 0.008	0.473	-0.001	-0.004 – 0.002	0.470

0.002	-0.006 – 0.011	0.589	0.001	-0.003 – 0.006	0.54
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