Table S4. Full regression model statistics for cognitive test performance as a function of MCS. Performance on the MoCA, DSC and LMT was modeled using multiple variable linear regression for each test, incorporating overall network connectivity metrics as predictors. Each model was adjusted for age, gender and race.

Predictors	Cognitive test					
	MoCA		DSC		LM	
	Beta	p value	Beta	p value	Beta	p value
FC (ASLN MCS)	6.057183	0.55045652	71.86703	0.06238644	-1.16393	0.89784301
FC (DMN MCS)	**33.47268**	**0.00254717***	44.07517	0.29196705	10.23109	0.3005564
FC (LFPN MCS)	-14.8289	0.24045355	7.049195	0.88299473	-0.81907	0.94213836
FC (pDMN MCS)	-22.9341	0.09090837	12.53179	0.80698325	3.382644	0.78001543
FC (DFN MCS)	-6.41472	0.41312855	-45.2205	0.12759572	-1.69784	0.80845546
GMR	-0.02644	9.96E-01	**54.7732**	**0.01399044***	**11.09776**	**0.03494298***
Age	**-0.10512**	**8.47E-07***	**-0.43469**	**7.87E-08***	**-0.04386**	**2.06E-02***
Gender	-0.04875	0.87040824	0.697626	0.5373682	**0.803885**	**2.71E-03***
Race (White)	**3.065798**	**0.0042514***	**13.17626**	**0.00116982***	**1.977622**	**0.03878201***
Race (Black)	-0.31355	0.77443249	1.005827	0.80792495	-0.64807	0.5075657
Race (Hispanic)	-0.5735	0.65260275	-1.01499	0.83312672	-1.17415	0.30262861

*p<0.05 for FC metric

ASLN – Auditory-Salience-Language network; DMN – Default Mode Network; LFPN – Left Frontoparietal Network; pDMN – Posterior DMN; MCS – Mean connectivity score; MoCA - Montreal Cognitive Assessment; DSC - Digit Symbol Coding test; LM – Logical Memory Test