

Supplementary Table 1: ANOVA to examine sex differences across Global and Local metrics for LLD and HOA.

	HOA (df=1,46)		LLD (df=1,26)			
Gamma	F=.534, p=.468		F=1.05, p=.315			
Lambda	F=.368, p=.547		F=.072, p=.791			
Eglobal	F=.338, p=.564		F=7.04, p=.013 (M>F)			
	Right	Left	Right		Left	
	ANOVA	ANOVA	ANOVA	FDR	ANOVA	FDR
PFC						
Centrality	F=.561, p=.458	F=.219, p=.642	F=.581, p=.453		F=.242, p=.627	
Path Length	F=.591, p=.446	F=.464, p=.499	F=16.02, p<.001 **	q=.008 (F>M)	F=11.86, p=.002 **	q=.009 (F>M)
Vulnerability	F=.279, p=.600	F=.110, p=.742	F=.964, p=.335		F=.422, p=.521	
Cingulate						
Centrality	F=2.26, p=.140	F=.837, p=.365	F=6.83, p=.015 *	q=.039 (M>F)	F=6.82, p=.015 *	q=.039 (F>M)
Path Length	F=.029, p=.866	F=1.80, p=.186	F=12.03, p=.002 **	q=.009 (F>M)	F=13.33, p=.001 **	q=.009 (F>M)
Vulnerability	F=1.26, p=.268	F=1.46, p=.234	F=7.07, p=.013 *	q=.039 (F>M)	F=4.74, p=.039 *	q=.078 (F>M)
Temporal						
Centrality	F=.003, p=.957	F=.750, p=.391	F=.197, p=.661		F=.103, p=.751	
Path Length	F=.024, p=.877	F=.127, p=.723	F=2.78, p=.107		F=5.55, p=.026 *	q=.059 (F>M)
Vulnerability	F=.011, p=.918	F=1.26, p=.268	F=.617, p=.439		F=.056, p=.815	

Gamma=normalized clustering coefficient; Lambda=normalized path length; Eglobal=global efficiency.
 *significant at 5% level; **significant at 1% level. Items in bold remain significant after FDR correction (q<.3).
 FDR correction was applied to the 18 comparisons of local metrics for the HOA; and separately for the 18 comparisons of local metrics for the LLD group.

Supplementary Table 2: Mean and Standard Deviations for Global Measures by Group: ANCOVA controlling for age and sex; Correlations with age controlling for sex.

	Mean (SD)		ANCOVA (df=1,72)	± Correlation with age controlling for sex	
	HOA	LLD		HOA (df=45)	LLD (df=25)
Gamma	2.37 (.252)	2.40 (.202)	F=.213, p=.646	r=.017, p=.912	r=.166, p=.409
Lambda	1.22 (.152)	1.20 (.093)	F=.038, p=.847	r=.130, p=.385	r=.220, p=.271
Eglobal	138.68 (26.15)	144.97 (41.46)	F=.322, p=.572	r=-.151, p=.311	r=-.170, p=.395
N	48	28			

Gamma=normalized clustering coefficient; Lambda=normalized path length; Eglobal=global efficiency. ± Partial correlation controlling for sex.