

**eTable 3.** Graphical causal model. Detailed statistical report for the causal graphical model analysis. Significant parameter estimates, which correspond to the edges in Figure 4, are highlighted with an ‘\*’. (Abbreviations: Par. Est.: parameter estimate; SE: standard error; T: *t* statistic; p: *p*-value.)

<b>Connection</b>		<b>Par. Est.</b>	<b>SE</b>	<b>T</b>	<b>P</b>
COVAR c1 (age/sex)	EEG c1 ( $\alpha$ )	-0.362	0.295	-1.230	0.242
COVAR c1 (age/sex)	EEG c2 ( $\delta$ mean)	0.388	0.306	1.270	0.228
COVAR c1 (age/sex)	EEG c3 ( $\delta$ var)	-0.264	0.313	-0.845	0.415
<b>COVAR c1 (age/sex)</b>	<b>MRI c1 (frn-par)</b>	<b>0.791</b>	<b>0.179</b>	<b>4.424</b>	<b>&lt;0.001*</b>
COVAR c1 (age/sex)	MRI c1 (tmp-occ)	0.139	0.271	0.513	0.617
COVAR c2 (exp vars)	EEG c1 ( $\alpha$ )	-0.128	0.295	-0.434	0.672
COVAR c2 (exp vars)	EEG c2 ( $\delta$ mean)	0.078	0.306	0.255	0.803
COVAR c2 (exp vars)	EEG c3 ( $\delta$ var)	0.222	0.313	0.712	0.490
COVAR c2 (exp vars)	MRI c1 (frn-par)	0.072	0.147	0.490	0.633
<b>COVAR c2 (exp vars)</b>	<b>MRI c1 (tmp-occ)</b>	<b>-0.824</b>	<b>0.223</b>	<b>-3.688</b>	<b>0.003*</b>
COVAR c3 (sed)	EEG c1 ( $\alpha$ )	0.268	0.295	0.911	0.380
COVAR c3 (sed)	EEG c2 ( $\delta$ mean)	-0.053	0.306	-0.174	0.865
COVAR c3 (sed)	EEG c3 ( $\delta$ var)	0.044	0.313	0.141	0.890
COVAR c3 (sed)	MRI c1 (frn-par)	-0.032	0.150	-0.216	0.832
COVAR c3 (sed)	MRI c1 (tmp-occ)	-0.114	0.227	-0.502	0.625
<b>EEG c1 (<math>\alpha</math>)</b>	<b>GOS-E<sub>6m</sub></b>	<b>1.015</b>	<b>0.310</b>	<b>3.271</b>	<b>0.007*</b>
EEG c1 ( $\alpha$ )	MRI c1 (frn-par)	-0.299	0.165	-1.810	0.095
EEG c1 ( $\alpha$ )	MRI c1 (tmp-occ)	-0.002	0.250	-0.007	0.994
EEG c2 ( $\delta$ mean)	GOS-E <sub>6m</sub>	-0.526	0.243	-2.168	0.051
EEG c2 ( $\delta$ mean)	MRI c1 (frn-par)	-0.184	0.159	-1.155	0.271

<b>Connection</b>		<b>Par. Est.</b>	<b>SE</b>	<b>T</b>	<b>P</b>
EEG c2 ( $\delta$ mean)	MRI c1 (tmp-occ)	-0.069	0.241	-0.287	0.779
<b>EEG c3 (<math>\delta</math> var)</b>	<b>GOS-E<sub>6m</sub></b>	<b>-0.813</b>	<b>0.267</b>	<b>-3.041</b>	<b>0.010*</b>
<b>EEG c3 (<math>\delta</math> var)</b>	<b>MRI c1 (frn-par)</b>	<b>0.503</b>	<b>0.153</b>	<b>3.282</b>	<b>0.007*</b>
EEG c3 ( $\delta$ var)	MRI c1 (tmp-occ)	0.465	0.232	2.002	0.068
MRI c1 (frn-par)	GOS-E <sub>6m</sub>	0.052	0.330	0.159	0.877
<b>MRI c1 (tmp-occ)</b>	<b>GOS-E<sub>6m</sub></b>	<b>0.726</b>	<b>0.247</b>	<b>2.940</b>	<b>0.012*</b>