

Supplementary Materials

Methods and Materials

Participants

Inclusion criteria for all participants: (i) age <18 years; (ii) right-handed; (iii) physical experience of the earthquake; (iv) personal witness of building collapse, death or serious injury; (v) no known PTSD prior to the earthquake; and (vi) no psychologic interventions or psychopharmacologic treatment before MRI. Exclusion criteria: age \geq 18 years; left-handed; reported serious traumatic events before or after the earthquake, current and lifetime psychiatric comorbidities such as depression and anxiety disorders, or alcohol/drug/other substance abuse/dependence; traumatic brain injury; neurological or cardiovascular conditions; any contraindication to MRI; brain lesions identified at MRI examination.

Table S1. Network switching rate between TENP and PTSD with head motion parameters as covariate, different γ/ω , and window length/size.

Network switching rate	<i>P</i> (<i>T</i>) value			
	FD as covariate	$\gamma = 0.9$ $\omega = 1.0$	$\gamma = 1.0$ $\omega = 0.75$	<i>Window length = 50TR</i> <i>Window /size = 1TR</i>
<u>Global</u>	0.011 (2.663)	0.033 (2.197)	0.156 (1.443)	0.043 (2.078)
<u>Subnetworks</u>				
Visual network	0.209 (1.274)	0.055 (1.971)	0.241 (1.189)	0.034 (2.184)
Somatomotor network	0.220 (1.243)	0.392 (0.864)	0.485 (0.704)	0.444 (0.772)
Dorsal attention network	0.011 (2.653)	0.031 (2.226)	0.069 (1.863)	0.007 (2.848)
Ventral attention network	0.113 (1.619)	0.281 (1.092)	0.242 (1.186)	0.815 (0.235)
Limbic network	0.035 (2.176)	0.002 (3.221)	0.068 (1.872)	0.041 (2.106)
Frontoparietal network	0.041 (2.106)	0.080 (1.791)	0.059 (1.933)	0.027 (2.289)
Default mode network	0.004 (3.049)	0.024 (2.337)	0.163 (1.417)	0.042 (2.092)
Subcortical network	0.265 (1.128)	0.364 (0.916)	0.544 (0.611)	0.819 (0.230)
<u>Nodal</u>				
ITG_R (Label ID 90)	< 0.001 (4.357)	0.010 (2.679)	0.007 (2.811)	0.105 (1.655)
PoG_L_4_3 (Label ID 159)	< 0.001 (3.587)	0.015 (2.536)	0.009 (2.726)	0.247 (1.173)

Abbreviations: PTSD, post-traumatic stress disorder; TENP, trauma-exposed non-PTSD control subjects; FD, framewise-displacement; TR, repetition time; ITG, inferior temporal gyrus; PoG, postcentral gyrus; L, left; R, right.