Table S1: Details of motion-scrubbing for resting-state fMRI data

ID	Run	Volumes	Mean FD (mm)	Volumes Scrubbed	Volumes Retained		% Retained	
3360L	1	216	0.10	3	213		98.61	
	2	216	0.11	17	199		92.13	
	3	216	0.10	19	197		91.20	
	4	216	0.13	66	150		69.44	
	Total	864	0.11	105	759		87.85	
3712L	1	216	0.21	181	35	*	16.20	*
(excluded)	2	216	0.29	212	4	*	1.85	*
	3	216	0.17	125	91	*	42.13	*
	4	216	0.16	108	108	*	50.00	*
	Total	864	0.21	626	0		0.00	
3749L	1	120	0.12	17	103		85.83	
	2	120	0.12	21	99		82.50	
	3	120	0.13	41	79		65.83	
	4	120	0.14	26	94		78.33	
	5	120	0.23	111	9	*	7.50	*
	Total	600	0.15	216	375		62.50	
3786L	1	216	0.07	0	216		100.00	
	2	216	0.07	0	216		100.00	
	3	216	0.06	9	207		95.83	
	4	216	0.09	12	204		94.44	
	Total	864	0.07	21	843		97.57	
3753R	1	130	0.04	0	130		100.00	
	2	130	0.04	0	130		100.00	
	3	130	0.04	0	130		100.00	
	4	130	0.05	0	130		100.00	
	5	130	0.05	0	130		100.00	
	Total	650	0.04	0	650		100.00	
3794R	1	130	0.06	12	118		90.77	
	2	130	0.04	5	125		96.15	
	3	130	0.05	5	125		96.15	
	4	130	0.04	2	128		98.46	
	Total	520	0.05	24	496		95.38	

* = Run excluded from further analysis

Table S2. Healthy Comparison Seed Maps

Disconnection Seed	Region(s)	x	y	z	Z-score	Cluster Size
3360L	L/R Temporal pole, L/R Frontal orbital cortex, L/R Middle Temporal gyrus, L/R Hippocampus, L/R Parahippocampal gyrus, L Superior frontal gyrus, Posterior Cingulate gyrus	-38	20	-30	8.34	303,744
	Cerebellum (Crus II), Brainstem	28	-76	-38	6.10	19,392
3749L	L/R Temporal pole, L/R Frontal pole, L/R Frontal Orbital cortex, L Superior Frontal gyrus, L/R Middle Temporal gyrus, L/R Hippocampus, L/R Parahippocampal gyrus, L Lateral Superior Occipital cortex, L/R Posterior Cingulate gyrus	-40	22	-34	8.96	280,280
3786L	L/R Temporal pole, L/R Frontal pole, L Superior frontal gyrus, L/R Middle Temporal gyrus, L Lateral Superior Occipital cortex, L/R Posterior Cingulate cortex, L/R Hippocampus, L/R Parahippocampal gyrus	-42	18	-38	8.83	293,760
3753R	R/L Temporal pole, L/R Frontal pole, L/R Middle Temporal gyrus, L/R Frontal Medial cortex, L/R Paracingulate gyrus, L/R Hippocampus, L/R Parahippocampal gyrus, L Lateral Superior Occipital cortex	40	14	-38	7.92	251,208
3794R	R/L Temporal pole, L/R Frontal pole, L/R Middle Temporal gyrus, L Superior Frontal gyrus, L/R Paracingulate gyrus	42	16	-28	8.11	284,400
	R Supramarginal gyrus, R Angular gyrus, R Middle Temporal gyrus, R Superior Lateral Occipital cortex	58	-44	18	4.27	12,288

Note: Z-score is voxel and cluster corrected for multiple comparisons at $p < .05$. Cluster size is in mm^3.

Table S3. Disconnection Seed Maps Z > 3.1 cluster threshold

Disconnection Seed	Region(s)	x	y	z	Z-score	Cluster Size
3360L	L Middle frontal gyrus, L Frontal pole, L Superior frontal gyrus	-30	38	34	4.57	2,344
	L Temporal pole, L Anterior inferior temporal gyrus, L Anterior temporal fusiform cortex	-42	2	-44	4.52	1,464
	R Frontal Pole	20	44	12	4.09	1,520
3749L	L Temporal pole, L Frontal orbital cortex	-34	12	-26	4.27	960
	R Hippocampus, R amygdala, R Anterior parahippocampal gyrus	26	-14	-20	4.21	864
3786L	L Temporal pole	-44	14	-38	4.50	3,336
3753R	R Temporal pole, R Frontal orbital cortex, R Anterior Temporal fusiform cortex	38	18	-36	5.34	7,152
	L /R Paracingulate gyrus, L/R Anterior cingulate gyrus, R Frontal pole, R Frontal orbital cortex,R Paracingulate gyrus, R Medial frontal cortex	-8	38	-10	4.87	7,384
3794R	R Temporal pole, R Temporal fusiform cortex, R Anterior inferior temporal gyrus, R Anterior parahippocapmal gyrus	28	8	-48	4.73	11,456
	R Frontal operculum, R inferior frontal gyrus, R Frontal pole	34	24	12	4.11	1,176

Note: Z-score is voxel and cluster corrected for multiple comparisons at $p < .05$. Cluster size is in mm^3.

Table S4. Disconnection Seed Maps Z > 2.33 cluster threshold

Disconnection Seed	Region(s)	x	y	z	Z-score	Cluster Size
3360L	L/R Middle frontal gyrus, L/R Frontal pole, L Paracingulate gyrus, R precentral gyrus, L Anterior cingulate, L Superior frontal gyrus	-30	38	34	4.57	69,248
	L/R Posterior fusiform cortex, L Posterior parahippocampal gyrus, Brainstem	-4	-14	-54	4.32	26,176
	L Temporal pole, L Inferior temporal gyrus, L Temporal fusiform cortex, L Anterior parahippocampal gyrus, L Middle temporal gyrus	-42	2	-44	4.52	10,544
3749L	L Hippocampus, L Putamen, L Thalamus, L Insula, Brainstem,	-28	-20	-12	4.18	11,160
	L Temporal pole, L Frontal orbital cortex	-34	12	-26	4.27	6,920
	R Hippocampus, R amygdala, R Anterior parahippocampal gyrus, R Temporal fusiform cortex, R Inferior Temporal gyrus	26	-14	-20	4.21	6,432
3786L	R Occipital pole, R Lateral Occipital cortex, R Occipital fusiform gyrus, L/R Precuneous, L/R Cuneus, R Inferior Temporal gyrus, L/R Lingual gyrus	12	-90	-10	4.44	28,432
	R/L Thalamus, Brainstem, R Posterior Temporal fusiform cortex, R Planum Polare	36	-52	16	4.49	13,272
	L Temporal pole, L Anterior parahippocampal gyrus, L Anterior Temporal Fusiform cortex	-44	14	-38	4.50	11,560
	L Cerebellum, Brainstem	-14	-58	-54	4.67	6,808
3753R	R Temporal pole, R Frontal orbital cortex, R Frontal Pole, R Anterior Temporal fusiform cortex, R Anterior inferior temporal gyrus, L/R Anterior cingulate gyrus, L/R Paracingulate gyrus	38	18	-36	5.34	40,048
	R/L Frontal pole	-18	66	-8	4.89	9,704
	L/R Posterior cingulate gyrus, L/R Precuneous cortex	6	-30	32	4.06	7,400
	L/R Occipital pole	-12	-104	-8	4.26	7,384
		-16	-92	-50	3.97	5,584
3794R	R Temporal pole, R Temporal fusiform cortex, R Anterior inferior temporal gyrus, R Anterior parahippocapmal gyrus	28	8	-48	4.73	21,968
	R Frontal operculum, R inferior frontal gyrus, R Middle frontal gyrus R Frontal pole	34	24	12	4.11	7,976
	R/L Thalamus, Brainstem, L Hippocampus, R/L Posterior cingulate gyrus, L Posterior parahippocampal gyrus	-12	-22	16	4.24	5,696
	Brainstem	20	-40	-62	4.38	5,136

L/R Precuneous	-4	-72	32	4.52	4,152
R Thalamus, Brainstem, R Pallidum	14	-16	4	4.53	3,992
L Posterior temporal fusiform cortex, L Anterior inferior temporal gyrus, L Anterior parahippocampal gyrus , L Temporal pole	-40	-12	-32	4.43	3,912
L Frontal Operculumn, L inferior frontal gyrus , L Caudate	-38	12	12	4.02	2,480

Note: Z-score is voxel and cluster corrected for multiple comparisons at $p < .05$. Cluster size is in mm^3.

Table S5. Disconnected ICA components correlated with Smith ICs

Disconnection Participant	Smith et al. 2009 rsn 10 component	Participant ICA component	Spatial correlation (r)
3360L	3-Lateral Visual	4	.645
	4-Default Mode	22	.245
	4-Default Mode	58	.205
	5-Cerebellum	5	.320
	6-Sensorimotor	13	.262
	8-Executive control	1	.246
3749L	1-Primary Visual	2	.690
	2-Occipital Pole	2	.212
	6-Sensorimotor	14	.251
	9-Right frontoparietal	13	.318
	10-Left frontoparietal	20	.423
3786L	1-Primary Visual	30	.287
	4-Default Mode	1	.459
	4-Default Mode	24	.224
	9-Right frontoparietal	6	.463
	10-Left frontoparietal	40	.255
3753R	7-Auditory	18	.356
	9-Right frontoparietal	5	.405
	10-Left frontoparietal	30	.337
3794R	1-Primary Visual	36	.350
	3-Lateral Visual	27	.334
	4-Default Mode	31	.385
	4-Default Mode	12	.204
	5-Cerebellum	32	.231
	7-Auditory	39	.263
	7-Auditory	21	.221
	9-Right frontoparietal	14	.353
	9-Right frontoparietal	12	.242

Table S6. Phase-Scrambled Comparison

Disconnection Seed	Region(s)	x	y	z	Z-score	Cluster Size
3360L	L/R Frontal pole, L/R Superior frontal gyrus, L/R Paracingulate gyrus, L/R Cingulate gyrus, L/R accumbens, L/R Temporal pole, L/R Temporal fusiform cortex, R Hippocampus, R Amygdala, Cerebellum, Brainstem	22	-54	-60	13.00	288,104
	L/R Postcentral gyrus, L Precentral gyrus, L Supramarginal gyrus	6	-36	76	6.84	18,480
	L Temporoocipital Middle Temporal gyrus, L Lateral occipital cortex, L Angular gyrus	-46	-54	8	6.53	7,568
	L/R Superior lateral occipital cortex, L/R Occipital pole, L/R Cuneal cortex, L Supracalcarine cortex	20	-78	42	4.91	6,976
	R Temporoocipital Middle Temporal gyrus, R Lateral occipital cortex, R Angular gyrus	38	-56	16	6.67	3,792
	R Postcentral gyrus	60	-12	44	6.35	2,152
3749L	L/R Temporal pole, L/R Inferior frontal gyrus, L/R Insula, L/R Heschl's gyrus, L/R Planum temporale, L/R Frontal pole, L/R Hippocampus, R Temporal fusiform cortex, L/R Thalamus, L/R Lingual gyrus	-28	4	-46	13.00	127,912
	L/R Superior frontal gyrus, L/R Postcentral gyrus, L/R Superior parietal lobule, L/R Cuneal cortex	-18	14	66	6.67	23,512
	L/R Dorsal anterior cingulate cortex, L/R Mid-Cingulate cortex	-6	14	24	5.54	3,984
	L/R Ventral medial prefrontal cortex, L Frontal pole	-34	48	-4	5.48	3,592
	L Lateral occipital cortex, R Precuneous cortex, R accumbens	-32	-74	12	5.60	2,352
	L Middle frontal gyrus, L Frontal pole	-38	38	40	4.79	2,000
3786L	L Temporal pole, L/R Posterior hippocampus, R Thalamus, L/R Lingual gyrus, L/R Occipital pole, Brainstem, Cerebellum	-38	6	-44	13.00	134,016
	L Frontal pole, L Forceps minor	-10	30	-2	4.52	2,312
	L Inferior longitudinal fasciulus	-28	-42	14	5.81	2,112
3753R	R Temporal pole, R Frontal orbital cortex, R Frontal Pole, R Ventral medial prefrontal cortex, R Anterior cingulate cortex, R Accumbens,	34	2	-48	13.00	30,448
	R/L Posteriror parahippocampal gyrus, R Precuneous, R/L Lingual gyrus, R Posterior cingulate cortex	24	-52	22	5.31	19,688
	L Ventral medial prefrontal cortex, L Frontal orbital cortex, L Anterior cingulate cortex	-10	34	-12	5.60	5,304

	R Superior lateral occipital cortex, R Cuneal cortex	22	-78	54	4.06	2,624
	L/R Precuneous cortex	-14	-58	42	4.82	2,304
	L/R Cerebellum	-6	-90	-34	4.73	2,168
3794R	R Temporal pole	34	-6	-48	13.00	18,096
	L Temporal pole, L Anterior parahippocampal gyrus, L Temporal fusiform cortex	-44	2	-32	5.31	5,952
	L Frontal pole, L Insula, L Frontal Operculum cortex	28	22	16	5.04	4,568
	L/R Precuneous cortex	-6	-76	34	5.00	2,784

Note: Z-score is voxel and cluster corrected for multiple comparisons at $p < .05$. Cluster size is in mm^3. Clusters smaller than 2000 mm^3 (250 voxels) not listed.