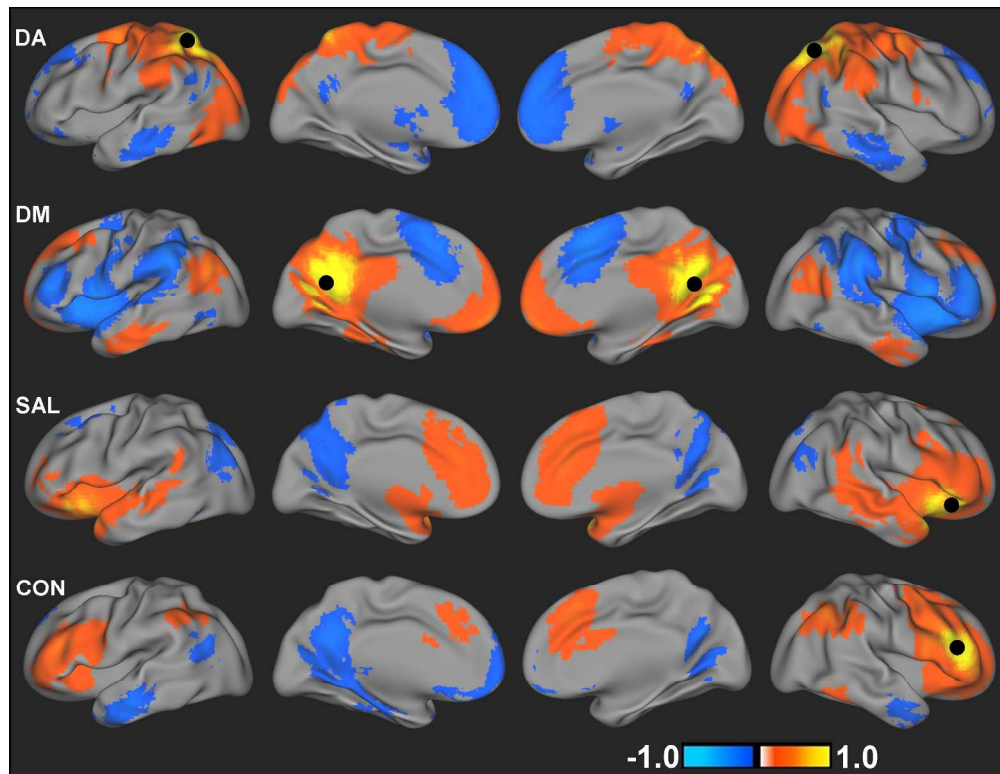


Figure S1. Group mean functional connectivity maps for DA, DM, SAL and CON for children with ADHD. Black circles indicate the location of seed regions used to generate each map. Images are displayed using a threshold of an absolute value of $r > 0.1$.



Group mean functional connectivity maps for DA, DM, SAL and CON for children with ADHD. Black circles indicate the location of seed regions used to generate each map. Images are displayed using a threshold of an absolute value of $r > 0.1$.
249x192mm (300 x 300 DPI)

Supplemental Table I. Resting-state fMRI scan parameters by site.

	KKI	NYU	PU
Scan Duration	6:40	6:00	8:00
TR (ms)	2500	2000	2000
TE (ms)	30	15	30
Flip Angle (°)	75	90	90
Voxel Size (mm ³)	3x3x3	3x3x4	3.1x3.1x3.5
Slices	47	33	33
FOV (mm ²)	256x256	240x192	200x200
Acquisition Sequence	ascending	interleaved	interleaved

TR, repetition time; TE, echo time; FOV, field of view; mm, millimeters; ADHD, attention-deficit/hyperactivity disorder; KKI, Kennedy Krieger Institute; NYU, New York University; PU, Peking University.

Supplemental Table II. Regional connectivity alterations associated with inattentive symptoms

DA	BA	x	y	z	# voxels	direction
L superior parietal lobule	7	-24	-70	45	187	positive
DM	BA	x	y	z	# voxels	direction
precuneus	7	0	-70	36	447	positive
R fusiform gyrus	37	46	-48	-17	561	negative
L fusiform gyrus	37	-35	-54	-21	293	negative
SAL	BA	x	y	z	# voxels	direction
L fusiform gyrus, parahippocampal gyrus	36, 37	-35	-49	-11	411	positive
R fusiform gyrus, parahippocampal gyrus	36, 38	27	-31	-15	181	positive
CON	BA	x	y	z	# voxels	direction
paracentral lobule, precuneus	5, 7	-3	-51	49	798	positive
L, R cerebellum		2	-40	-44	178	positive
L precentral gyrus	6	-50	-2	25	538	negative
L, R cerebellum		-5	-70	-45	518	negative
L, R anterior cingulate cortex	32	8	20	36	454	negative
R precentral gyrus	6	54	-3	28	407	negative
L caudate, lentiform nucleus, putamen		-16	2	9	279	negative
R middle/superior frontal gyrus	9	29	45	30	271	negative
L middle frontal gyrus	9	-34	45	28	194	negative
R lentiform nucleus, putamen		22	8	4	156	negative

Coordinates reported in Montreal Neurological Institute (MNI) standard space.

L, left; R, right; BA, Brodmann Area; DA, dorsal attention network; DM, default mode network; SAL, salience processing network; CON, executive control network; ADHD, attention-deficit/hyperactivity disorder; TDC, typically-developing children.

Supplemental Table III. Regional connectivity alterations associated with hyperactive/impulsive symptoms

DA	BA	x	y	z	# voxels	direction
R middle frontal gyrus, precentral gyrus	6	44	1	49	234	positive
L anterior cingulate cortex, superior frontal gyrus	32	-21	38	3	740	negative
L precuneus, posterior cingulate cortex	31	-17	-60	23	287	negative
R precuneus, posterior cingulate cortex	31	16	56	27	174	negative
DM	BA	x	y	z	# voxels	direction
R middle/superior frontal gyrus	10	33	47	14	650	positive
R insula	13	38	9	2		
R middle temporal gyrus	19	35	-76	20	199	positive
L fusiform gyrus	20	-43	-26	-17	1095	negative
L middle temporal gyrus	21	-60	-37	-5		
R insula	13	38	7	7		
R middle occipital gyrus	19	39	-76	-10	254	negative
medial frontal gyrus	25	3	26	-22	231	negative
R parahippocampal gyrus	36	31	-31	-22	176	negative
SAL	BA	x	y	z	# voxels	direction
R parahippocampal gyrus	35	25	-23	-13	351	positive
R precentral gyrus	6	28	-20	57	381	negative
R insula/superior temporal gyrus	13, 41	50	-26	17	212	negative
CON	BA	x	y	z	# voxels	direction
medial frontal gyrus	10	1	39	-4	1226	positive
L precentral gyrus	6	-44	-6	51	339	positive
R inferior temporal gyrus	21	60	-9	-17	250	positive
L inferior/middle temporal gyrus	21	-56	-26	-11	192	positive
L, R cerebellum, lingual gyrus	18	12	26	-24	2116	negative
L middle frontal gyrus	10	-36	43	26	243	negative

Coordinates reported in Montreal Neurological Institute (MNI) standard space.

L, left; R, right; BA, Brodmann Area; DA, dorsal attention network; DM, default mode network; SAL, salience processing network; CON, executive control network; ADHD, attention-deficit/hyperactivity disorder; TDC, typically-developing children.

Supplemental Table IV. Regional connectivity alterations associated with ADHD diagnosis

DM	BA	x	y	z	# voxels	contrast
L postcentral gyrus, precentral gyrus	3, 4	-48	-11	50	321	ADHD>TDC
R fusiform gyrus	37	49	-59	-15	313	ADHD>TDC
R middle occipital gyrus	19	44	-74	9		
paracentral lobule	4	-7	-29	62	182	ADHD>TDC
R postcentral gyrus	3	45	-17	49	171	ADHD>TDC
R middle temporal gyrus	20	56	-40	-6	164	ADHD>TDC
L, R superior frontal gyrus, anterior cingulate cortex	10, 32	-5	45	12	1804	TDC>ADHD
SAL	BA	x	y	z	# voxels	contrast
L fusiform gyrus	37	-37	-48	-17	533	TDC>ADHD
L middle frontal gyrus	6	-29	-6	47	371	TDC>ADHD
CON	BA	x	y	z	# voxels	contrast
L, R superior frontal gyrus, medial frontal gyrus, anterior cingulate cortex	10, 32	-10	27	27	1615	ADHD>TDC
R insula	13	35	20	14		
L insula	13	-37	17	11		
L, R cerebellum	10	0	38	47	1045	ADHD>TDC
L paracentral lobule, postcentral gyrus	5	-42	25	0	541	TDC>ADHD
L precentral gyrus	4	-37	-19	55		
R precuneus	7	13	-47	61	219	TDC>ADHD

Coordinates reported in Montreal Neurological Institute (MNI) standard space.

L, left; R, right; BA, Brodmann Area; DA, dorsal attention network; DM, default mode network; SAL, salience processing network; CON, executive control network; ADHD, attention-deficit/hyperactivity disorder; TDC, typically-developing children.

Supplemental Table V. Regional connectivity alterations associated with the interaction of inattentive symptoms and ADHD diagnosis

DA	BA	x	y	z	# voxels	direction
L, R cerebellum		-3	-73	-38	687	positive
L, R supplementary motor area	6	5	-10	61	554	positive
R precentral/postcentral gyrus	4	58	-11	35	343	positive
R thalamus		4	-34	3	233	positive
L, R caudate		-11	7	23	193	positive
L middle frontal gyrus	9	-52	17	32	172	positive
DM	BA	x	y	z	# voxels	direction
anterior cingulate cortex	24	-6	5	26	647	positive
precuneus	7	0	-55	52	167	positive
R insula	13	41	7	-8	154	positive
SAL	BA	x	y	z	# voxels	direction
R amygdala/parahippocampal gyrus		18	-1	-15	1312	positive
L, R lingual gyrus	19	13	-60	0		
L thalamus		-12	-27	15		
R postcentral gyrus	3	20	-38	-67	175	positive
L, R caudate		-4	10	-8	155	negative
CON	BA	x	y	z	# voxels	direction
R cerebellum		48	-76	-33	453	positive
R middle temporal gyrus	21	60	-29	-8	301	positive
R postcentral gyrus	3	30	-16	30	300	positive

Coordinates reported in Montreal Neurological Institute (MNI) standard space.

L, left; R, right; BA, Brodmann Area; DA, dorsal attention network; DM, default mode network; SAL, salience processing network; CON, executive control network; ADHD, attention-deficit/hyperactivity disorder; TDC, typically-developing children.

Supplemental Table VI. Regional connectivity alterations associated with the interaction of hyperactive/impulsive symptoms and ADHD diagnosis

DA	BA	x	y	z	# voxels	direction
R superior frontal gyrus/precentral gyrus	6	22	-9	68	264	positive
R inferior/middle temporal gyrus	21	55	-23	-15	185	positive
DM	BA	x	y	z	# voxels	direction
L inferior/middle frontal gyrus	45, 46	-42	30	4	613	positive
L inferior parietal lobule	40	-45	-38	46	370	positive
R inferior frontal gyrus	46	39	36	10	216	positive
L putamen		-19	-1	5	168	positive
brain stem		0	-29	-18	499	negative
precuneus/cuneus	7, 18	1	-70	28	483	negative
L cerebellum		-30	-78	-36	278	negative
R superior temporal gyrus	22	52	-48	17	158	negative
SAL	BA	x	y	z	# voxels	direction
paracentral lobule	4	2	-25	48	830	positive
L angular gyrus	39	-49	-56	31	408	positive
L cerebellum		-40	-59	-34	755	negative
L inferior occipital gyrus	19	-40	-78	-6		
R cerebellum		45	-55	-30	331	negative
R inferior temporal gyrus	37	53	-60	-10		
CON	BA	x	y	z	# voxels	direction
L, R precuneus, posterior cingulate cortex	7,31	7	-49	32	832	positive
R superior temporal gyrus/angular gyrus	39	46	-56	29	496	positive
R superior frontal gyrus	8	23	36	43	440	positive
L superior temporal gyrus	22	-52	-26	8	280	negative
L inferior frontal gyrus	45	-39	38	2	235	negative
R superior temporal gyrus	22	54	6	-5	231	negative
R superior temporal gyrus	41	57	-25	8	168	negative

Coordinates reported in Montreal Neurological Institute (MNI) standard space.

L, left; R, right; BA, Brodmann Area; DA, dorsal attention network; DM, default mode network; SAL, salience processing network; CON, executive control network; ADHD, attention-deficit/hyperactivity disorder; TDC, typically-developing children.