

Supplementary Table 1. Regional frontal lobe volumes in boys (mm³)

<TB>	Gray matter						White matter					
	Control (n=23)		ADHD (n=21)		p	η ² _p	Control (n=23)		ADHD (n=21)		p	η ² _p
	Mean	SD	Mean	SD			Mean	SD	Mean	SD		
Dorsolateral PFC-right	27102.9	5277.3	26706.5	4153.7	.79	.002	10214.0	2664.4	10205.9	2355.9	.99	.000
Dorsolateral PFC-left	28390.6	4535.0	24810.1	3220.3	.01	.176	10970.3	2103.2	9453.5	1810.4	.01	.134
Inferior PFC-right	15169.7	4007.4	14204.5	3607.1	.41	.016	5711.8	2080.4	5378.3	1949.6	.59	.007
Inferior PFC-left	14198.4	3250.2	14337.3	2969.8	.88	.001	5267.4	2110.9	5348.3	1510.1	.89	.000
Frontal eye field-right	3945.8	1664.1	3735.1	1650.0	.68	.004	3100.5	1747.4	3122.5	1705.6	.97	.000
Frontal eye field-left	3678.6	1896.5	4320.8	1893.9	.27	.029	2807.1	1843.2	3630.9	2085.0	.17	.044
Lateral premotor-right	10748.7	3123.4	10920.5	2370.2	.84	.001	6266.4	1729.3	6036.6	1452.0	.64	.005
Lateral premotor-left	9301.9	2765.1	11021.1	3145.4	.06	.081	5035.3	1838.7	6286.7	1903.9	.03	.105
Primary motor-right	14117.8	2041.5	13301.4	1504.1	.14	.051	9756.5	1445.8	9416.6	1450.2	.44	.014
Primary motor-left	13802.5	1641.0	13761.0	2274.4	.95	.000	9778.8	1214.7	9570.1	1672.4	.64	.005
SMC-right	7191.3	2109.8	7070.3	1674.4	.83	.001	3844.2	1532.6	3848.1	1580.3	.99	.000
SMC-left	7559.7	1570.3	6447.5	1591.5	.03	.115	4385.3	1183.1	3127.3	1268.0	.00	.216
Anterior cingulate-right	7839.0	1720.2	7130.3	1715.1	.18	.043	4041.0	1058.2	3714.9	1128.2	.33	.023
Anterior cingulate-left	8889.5	2166.3	8742.2	2220.0	.83	.001	4465.4	1272.6	4197.8	941.1	.44	.015
Medial PFC-right	19935.3	3441.3	19152.4	2073.0	.37	.019	10082.2	1712.9	9571.1	1346.5	.28	.028
Medial PFC-left	20574.8	3501.7	18281.9	3130.6	.03	.110	10237.1	1699.2	9023.8	1420.0	.01	.135
Medial OFC-right	7905.6	1400.8	7837.7	1440.0	.88	.001	1384.8	369.2	1315.1	311.6	.50	.011
Medial OFC-left	6655.8	1456.9	6967.7	1033.7	.42	.015	972.7	372.1	974.0	263.1	.99	.000
Lateral OFC-right	15996.7	3946.4	14940.3	3308.9	.34	.021	10685.7	3152.5	9974.4	3051.4	.45	.014
Lateral OFC-left	16472.2	4069.4	15967.6	3552.7	.67	.005	10622.8	2836.8	10847.8	2917.9	.80	.002
Deep white matter-right							10938.2	1729.0	10961.3	2835.7	.97	.000
Deep white matter-left							10994.8	1964.8	10976.6	2723.0	.98	.000

Note. PFC = prefrontal cortex; SMC = supplementary motor complex; OFC = orbitofrontal cortex. η²_p = effect size, partial η². Volumes reported are normalized to correct for total cerebral volume.

Supplementary Table 2. Regional frontal lobe volumes in girls (mm³)

	Gray matter						White matter					
	Control (n=21)		ADHD (n=21)		<i>p</i>	η^2_p	Control (n=21)		ADHD (n=21)		<i>p</i>	η^2_p
	<i>Mean</i>	<i>SD</i>	<i>Mean</i>	<i>SD</i>			<i>Mean</i>	<i>SD</i>	<i>Mean</i>	<i>SD</i>		
Dorsolateral PFC-right	27347.8	5989.4	26132.3	4564.2	.46	.013	10384.5	3197.7	9926.0	1757.1	.57	.008
Dorsolateral PFC-left	25646.6	3283.3	25753.6	4152.3	.93	.000	9583.3	1926.6	9891.7	2039.7	.62	.006
Inferior PFC-right	14840.2	3838.4	13792.1	3207.9	.34	.012	5175.7	1822.9	5122.9	1649.4	.92	.000
Inferior PFC-left	14592.9	3178.7	14026.7	2288.6	.51	.011	5275.6	1767.8	5085.2	1249.0	.69	.004
Frontal eye field-right	3616.6	1605.4	3989.0	1903.8	.50	.012	2944.8	1632.6	3365.6	1642.4	.41	.017
Frontal eye field-left	4260.4	1924.3	4182.6	1774.6	.89	.000	3417.3	2197.0	3614.0	2157.7	.77	.002
Lateral premotor-right	11015.1	2951.7	9986.8	2973.3	.27	.031	6301.8	1739.5	5913.5	1715.7	.47	.013
Lateral premotor-left	11087.3	3433.9	9077.1	3219.7	.06	.087	6261.9	2140.1	5281.4	2170.6	.15	.051
Primary motor-right	13542.8	1681.8	14111.6	1916.4	.31	.025	9761.9	1394.7	10017.9	1290.9	.54	.009
Primary motor-left	13037.5	2358.7	14415.6	2177.1	.06	.088	9139.7	1402.9	9823.0	1431.9	.13	.058
SMC-right	6998.8	1525.3	6297.3	1477.2	.14	.054	3563.0	1172.6	3093.1	1111.8	.19	.043
SMC-left	7950.4	1807.2	6717.3	2009.1	.04	.099	4356.1	1432.3	3459.6	1408.0	.05	.095
Anterior cingulate-right	8888.8	2003.9	8523.9	1801.3	.54	.010	4384.5	1031.9	4284.9	970.5	.75	.003
Anterior cingulate-left	9205.6	2866.1	8347.4	1957.0	.26	.031	4441.6	1355.4	4110.6	1210.7	.41	.017
Medial PFC-right	19663.9	2600.1	19161.1	3543.4	.60	.007	9747.4	1584.0	9303.0	1803.1	.40	.018
Medial PFC-left	18949.9	3167.4	18761.1	2665.4	.84	.001	9430.8	1301.0	8918.5	1440.0	.23	.035
Medial OFC-right	8068.2	1148.0	7940.3	2024.4	.80	.002	1314.5	357.1	1208.1	622.4	.50	.011
Medial OFC-left	7326.2	1906.2	7175.8	1599.1	.78	.002	926.1	316.7	956.8	370.7	.78	.002
Lateral OFC-right	16685.3	4500.6	14848.2	3150.8	.13	.055	10899.8	3189.3	10065.8	2757.8	.37	.020
Lateral OFC-left	16898.0	3700.2	16121.2	3281.0	.48	.013	11379.4	2871.4	11135.3	2175.3	.76	.002
Deep white matter-right							9482.9	1969.0	8887.7	2327.7	.38	.020
Deep white matter-left							9340.4	2077.7	8650.6	2139.3	.30	.027

Note. PFC = prefrontal cortex; SMC = supplementary motor complex; OFC = orbitofrontal cortex. η^2_p = effect size, partial eta-squared. Volumes reported are normalized to correct for total cerebral volume.