

CHANGE IN NEUROPSYCHOLOGICAL FUNCTIONING AND ADHD SEVERITY

Supplementary Table S1: Number of children treated with medication at each annual evaluation

Time point	Stimulant N	Non Stimulant N	Both N	Stimulant/ non stimulant with other <sup>a</sup> N	Total
Baseline	0	0	0	0	0
Follow-up 1	8	0	0	2	10
Follow-up 2	12	3	1	5	21
Follow-up 3	19	1	0	3	23
Follow-up 4	16	5	5	6	32

<sup>a</sup>Other includes neuroleptics and antidepressants

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Supplementary Table S2: Association of change in neuropsychological functioning with change in ADHD symptom severity and impairment including IQ, BL Diagnostic status and Medication treatment at Age 8 as covariates

Fixed Effect	Coefficient	SE	T-ratio	p-value
<i>Level 1 intercept</i>				
Intercept	8.57	4.60	1.86	.06
SES	-0.07	0.03	-2.00	.05
FSIQ	-0.09	0.05	-1.93	.06
<b>Diagostic status</b>	<b>5.99</b>	<b>1.27</b>	<b>4.72</b>	<b>&lt;.001</b>
Medication treatment	0.94	1.51	0.62	.54
<b>Change in NEPSY</b>	<b>-1.93</b>	<b>0.48</b>	<b>-4.00</b>	<b>&lt;.001</b>
<i>Level 1 linear slope</i>				
Intercept	0.08	1.27	0.06	.95
SES	-.00	0.01	-0.12	.91
FSIQ	.02	.01	1.26	.21
Diagnostic status	.14	.35	.40	.69
Medication treatment	-.52	.43	-1.91	.24
<b>Change in NEPSY</b>	<b>-0.45</b>	<b>0.14</b>	<b>-3.21</b>	<b>.002</b>
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Random Effect	Variance Component	DF	Chi-square	P-value
Level 1 intercept	31.42	89	645.34	<.001
Level 1 linear slope	1.79	89	226.36	<.001

Note: FSIQ (Full Scale IQ) is measured at BL using the WPPSI-III