

Supplementary Online Content

Vergunst F, Tremblay RE, Nagin D, et al. Association of behavior in boys from low socioeconomic neighborhoods with employment earnings in adulthood. *JAMA Pediatr.* Published online February 11, 2019. doi:10.1001/jamapediatrics.2018.5375

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This supplementary material has been provided by the authors to give readers additional information about their work.

eTable 1. Baseline personal and family characteristics of participants with successful and unsuccessful tax return linkages (n=1040)

	Successful tax return linkage for 2014 or 2015 (n=920)		Unsuccessful tax return linkage for 2014 or 2015 (n=120)	
Inattention age 6, Mean (SD)	2.77	(2.21)	2.66	(2.34)
Hyperactivity age 6, Mean (SD)	1.53	(1.42)	1.38	(1.46)
Opposition age 6, Mean (SD)	2.73	(2.67)	2.48	(2.59)
Aggression age 6, Mean (SD)	1.43	(1.79)	1.40	(1.75)
Prosociality age 6, Mean (SD)	7.90	(4.92)	8.0	(4.96)
Child IQ, Mean (SD)	8.94	(2.0)	9.04	(1.97)
Family adversity index, Mean (SD)	0.39	(0.35)	0.33	(0.25)

Successful linkages for at least one year (2014 to 2015) were 87.53%. There were no significant differences in baseline characteristics between the successfully and unsuccessfully linked samples. In accordance with Statistics Canada data protection requirements, counts are rounded to base 10.

eTable 2. Correlations between child and family characteristics and earnings at age 35 to 36

	Inat	Hyp	Opp	Agg	Pro	IQ	Adversity	Earnings
Inat	1	.47**	.48**	.38**	-.24**	-.29**	.18**	-.24**
Hyp		1	.62**	.60**	-.19**	-.16**	.23**	-.22**
Opp			1	.83**	-.22**	-.10**	.17**	-.16**
Agg				1	-.17**	-.13**	.22**	-.16**
Pro					1	.16**	-.16**	.16**
IQ						1	-.20**	.20**
Adversity							1	-.24**

** Significant at the .01 level.

eTable 3. Baseline child and family characteristics for participants who reported having any earnings vs. those reporting zero earnings at follow-up (2014 to 2015)

	Any reported earnings (n=780, 84.8%)		Zero reported earnings (n=140, 15.2%)	
Inattention age 6, Mean (SD)	2.49	(2.30)	3.44	(2.42) *
Hyperactivity age 6, Mean (SD)	1.28	(1.41)	2.0	(1.55) *
Opposition age 6, Mean (SD)	2.30	(2.46)	3.54	(2.94) *
Aggression age 6, Mean (SD)	1.29	(1.65)	2.08	(2.05) *
Prosociality age 6, Mean (SD)	8.23	(4.96)	7.37	(4.89)
Child IQ, Mean (SD)	9.16	(2.01)	8.49	(2.63) *
Family adversity index, Mean (SD)	0.31	(0.24)	0.40	(0.28) *

* Significant at the .05 level. ** Significant at the .001 level. In accordance with Statistics Canada data protection requirements, percentages are rounded to one decimal point and counts are rounded to base 10.

eTable 4. Fully adjusted tobit regression model of association between behaviors at age 6 years and earnings at age 35 to 36 years

	B	Robust SE	P Value	95% CI		Effect size
				Lower	Upper	
Inattention	-1834.31	660.25	.006	-3130.12	-538.50	4292
Hyperactivity	-2360.63	1168.92	.044	-4654.74	-66.53	3447
Opposition	-561.87	868.74	.518	-2266.85	1143.11	1450
Aggression	511.39	1306.76	.696	-2053.21	3076.01	890
Prosociality	545.88	240.16	.023	74.56	1017.21	2708
Child IQ	2329.99	600.44	.001	1150.89	3509.08	4963
Family adversity	-24529.67	5324.84	.001	-34980.56	-14078.78	6132

B = unstandardized beta coefficient, where a 1-unit change in the predictor (e.g. inattention) is associated with a corresponding change in B (in CAD\$), holding all other variables constant. SE = standard error; CI = confidence intervals. Mean, standard deviation and range of behavioral and family characteristics at baseline are presented in Table 1. Tobit regression simultaneously considers the likelihood of having data (any earnings greater than zero) and the value score for cases that have earnings greater than zero. Model adjusted for clustering at the school and classroom levels.

eTable 5. Fully adjusted mixed effects linear regression model of association between behavior at age 6 years and earnings at age 32 to 33

	B	Robust SE	P Value	95% CI		Effect size
				Lower	Upper	
Inattention	-1203.80	416.77	.004	-2020.67	-386.93	2817
Hyperactivity	-1113.05	800.58	.164	-2682.16	456.06	1625
Opposition	388.63	652.32	.551	-889.90	1667.16	1003
Aggression	-513.89	926.70	.579	-2330.18	1302.40	894
Prosociality	445.30	150.18	.003	150.95	739.64	2209
Child IQ	1810.40	417.92	.001	990.02	2630.78	3856
Family adversity	-15797.12	4212.96	.001	-24055.12	-7539.11	3949

B = unstandardized beta coefficient, where a 1-unit change in the predictor (e.g. inattention) is associated with a corresponding change in B (in CAD\$), holding all other variables constant. SE = standard error; CI = confidence intervals. Mean, standard deviation and range of behavioral and family characteristics at baseline are presented in Table 1. Model adjusted for clustering at the school and classroom levels. Effect size for full model: $f^2 = 0.089$.