

ONLINE APPENDIX

The Roma/non-Roma Test Score Gap in Hungary

By Gábor Kertesi and Gábor Kézdi

Table 1A. Details of the sample selection. Numbers of observations and statistics on test scores and the mothers' level of education.

	Number of observations	Mean standardized test score ^a		Fraction with mother's education	
		reading	mathematics	8 grades or less	college
Data from the Hungarian National Assessment of Basic Competences, grade 8					
All registered students	113,092	n.a.	n.a.	n.a.	n.a.
Students with test scores in reading	109,906	-0.08	n.a.	n.a.	n.a.
Students with test scores in mathematics	104,566	n.a.	-0.06	n.a.	n.a.
Students with test scores both in reading and mathematics	104,533	-0.03	-0.06	n.a.	n.a.
Students with test scores and family background data	88,175	-0.01	-0.04	0.18	0.21
Students who agreed to participate in the Hungarian Life Course Survey	37,027	-0.14	-0.09	0.24	0.19
Data from the Hungarian Life Course Survey					
Sample in wave 1 ^b	10,022	-0.11	-0.05	0.21	0.20
Sample in wave 2 ^b	9,300	-0.10	-0.04	0.21	0.20
Estimation sample ^b	9,056	-0.09	-0.03	0.20	0.20

Notes.

^a Test scores are standardized by official figures on national means and standard deviations. Not all students' scores are included in the national statistics, therefore the nonzero means in the total population.

^b All statistics (mean test scores and fractions) are weighted by sampling weights.

Table 2A. Summary statistics

Variable	Roma			Non-Roma		
	mean	sd	n	mean	sd	n
Low birth weight	0.17	0.38	848	0.07	0.25	8208
Body height (standardized)	-0.33	0.92	848	0.03	0.99	8208
Subjective health fair or poor	0.17	0.37	848	0.09	0.28	8208
Frequent bedtime stories (parent's answer)	0.35	0.48	848	0.65	0.48	8208
Rare theater with parents (parent's answer)	0.83	0.38	848	0.57	0.50	8208
Rare hiking with parents (parent's answer)	0.76	0.43	848	0.44	0.50	8208
Bedtime stories never (child's answer)	0.18	0.38	848	0.03	0.16	8208
Bedtime stories every day (child's answer)	0.21	0.41	848	0.48	0.50	8208
Cognitive HOME index	-1.03	0.98	848	0.09	0.94	8208
Emotional HOME index	-0.17	0.98	848	0.02	0.98	8208
Lives with biological mother	0.96	0.20	848	0.97	0.18	8208
Lives with stepmother	0.03	0.17	848	0.01	0.11	8208
Lives with biological father	0.78	0.41	848	0.72	0.45	8208
Lives with stepfather	0.06	0.24	848	0.09	0.28	8208
Mother's education 0-8 th grade	0.79	0.41	848	0.15	0.36	8208
Mother's education vocational	0.15	0.36	848	0.25	0.43	8208
Mother's education secondary	0.04	0.20	848	0.36	0.48	8208
Mother's education college	reference					8208
Father's education 0-8 th grade	0.54	0.50	848	0.08	0.27	8208
Father's education vocational	0.27	0.44	848	0.37	0.48	8208
Father's education secondary	0.03	0.18	848	0.21	0.41	8208
Father's education college	reference					8208
Books: less than 50	0.64	0.48	848	0.09	0.28	8208
Books: 50	0.16	0.37	848	0.11	0.32	8208
Books: 50-150	0.11	0.31	848	0.23	0.42	8208
Books: 150-300	0.04	0.20	848	0.20	0.40	8208
Books: 300-600	0.02	0.15	848	0.17	0.37	8208
Books: 600-1000	0.01	0.09	848	0.09	0.28	8208
Books: more	reference					8208
Internet at home	0.07	0.25	848	0.51	0.50	8208
Mother employed	0.24	0.43	848	0.70	0.46	8208
Father employed	0.35	0.48	848	0.66	0.47	8208
Fraction of years mother was employed	0.30	0.35	848	0.64	0.32	8208
Fraction of years father was employed	0.52	0.45	848	0.73	0.43	8208
ln Household income	11.68	0.46	848	12.03	0.46	8208
ln Household size	1.58	0.35	848	1.39	0.29	8208
Non-employed adults in household	1.39	0.99	848	0.67	0.81	8208
Square meter per capita	17.55	9.62	848	23.57	10.16	8208
Rooms per capita	0.55	0.25	848	0.79	0.29	8208
Bathroom	0.75	0.43	848	0.97	0.17	8208
Poverty indicator (no money for food)	0.23	0.42	848	0.05	0.21	8208
Poverty indicator (no money for heating)	0.35	0.48	848	0.12	0.32	8208
Poverty indicator (child welfare allowance)	0.67	0.47	848	0.22	0.42	8208
Poverty indicator (free lunch)	0.17	0.38	848	0.08	0.27	8208
Poverty indicator (free schoolbooks)	0.87	0.33	848	0.56	0.50	8208

Table 3A. Detailed results of the regressions on standardized test scores in reading

	(1)	(2)	(3)	(4)	(5)	(6)	(7)
Roma	-0.97 [0.05]**	-0.87 [0.05]**	-0.38 [0.05]**	-0.25 [0.06]**	-0.16 [0.07]*	-0.11 [0.05]*	-0.05 [0.07]
Low birth weight		-0.27 [0.04]**	-0.18 [0.04]**	-0.11 [0.05]*	-0.09 [0.05]	-0.13 [0.04]**	-0.08 [0.05]
Body height (standardized)		0.11 [0.01]**	0.06 [0.01]**	0.05 [0.01]**	0.04 [0.02]*	0.03 [0.01]**	0.03 [0.01]
Subjective health fair or poor		-0.33 [0.04]**	-0.18 [0.04]**	-0.15 [0.04]**	-0.13 [0.05]**	-0.13 [0.04]**	-0.12 [0.05]*
Frequent bedtime stories (parent's answer)			0.12 [0.03]**	0.10 [0.03]**	0.11 [0.04]**	0.07 [0.02]**	0.09 [0.04]*
Rare theater with parents (parent's answer)			-0.13 [0.03]**	-0.04 [0.03]	-0.04 [0.04]	-0.05 [0.03]	-0.01 [0.04]
Rare hiking with parents (parent's answer)			-0.06 [0.03]*	-0.04 [0.03]	0.00 [0.04]	0.01 [0.03]	0.03 [0.04]
Bedtime stories never (child's answer)			-0.16 [0.06]**	-0.06 [0.06]	-0.07 [0.07]	-0.14 [0.06]*	-0.06 [0.07]
Bedtime stories every day (child's answer)			0.16 [0.02]**	0.12 [0.03]**	0.10 [0.03]**	0.09 [0.02]**	0.06 [0.03]
Cognitive HOME index			0.34 [0.01]**	0.28 [0.02]**	0.24 [0.02]**	0.17 [0.02]**	0.16 [0.02]**
Emotional HOME index			-0.05 [0.01]**	-0.05 [0.02]**	-0.03 [0.02]	-0.04 [0.01]**	-0.03 [0.02]
Lives with biological mother						0.03 [0.27]	-0.28 [0.34]
Lives with stepmother						-0.09 [0.28]	-0.33 [0.34]
Lives with biological father						-0.07 [0.45]	0.10 [0.49]
Lives with stepfather						-0.07 [0.45]	0.16 [0.49]
Mother's education 0-8 th grade						-0.26 [0.05]**	-0.11 [0.07]
Mother's education vocational						-0.29 [0.04]**	-0.17 [0.06]**
Mother's education secondary						-0.13 [0.03]**	-0.06 [0.05]
Father's education 0-8 th grade						-0.37 [0.05]**	-0.22 [0.08]**
Father's education vocational						-0.28 [0.04]**	-0.16 [0.06]**
Father's education secondary						-0.19 [0.04]**	-0.09 [0.06]
Books: 0-50						-0.53 [0.05]**	-0.42 [0.08]**
Books: 50						-0.33 [0.05]**	-0.28 [0.07]**
Books: 50-150						-0.29 [0.04]**	-0.24 [0.06]**
Books: 150-300						-0.19 [0.04]**	-0.11 [0.06]
Books: 300-600						-0.13 [0.04]**	-0.10 [0.06]
Books: 600-1000						-0.08 [0.04]	-0.13 [0.07]
Internet at home						0.18 [0.03]**	0.15 [0.04]**

Mother employed					-0.05	0.00
					[0.03]	[0.05]
Father employed					0.01	0.02
					[0.04]	[0.05]
Fraction of years mother was employed					-0.02	-0.11
					[0.04]	[0.06]
Fraction of years father was employed					0.11	0.10
					[0.05]*	[0.07]
In Household income					-0.03	-0.03
					[0.03]	[0.04]
In Household size					-0.11	-0.10
					[0.05]*	[0.08]
Non-employed adults in household					-0.05	-0.03
					[0.02]**	[0.03]
Apartment size, square meters per capita					0.00	0.00
					[0.00]	[0.00]
Rooms per capita					0.07	-0.11
					[0.05]	[0.08]
Bathroom					-0.01	-0.05
					[0.06]	[0.08]
Poverty indicator (no money for food)					-0.15	-0.03
					[0.05]**	[0.06]
Poverty indicator (no money for heating)					-0.03	0.00
					[0.03]	[0.05]
Poverty indicator (child welfare allowance)					0.10	0.07
					[0.03]**	[0.04]
Poverty indicator (free lunch)					-0.11	-0.11
					[0.04]**	[0.06]
Poverty indicator (free schoolbooks)					-0.10	-0.06
					[0.03]**	[0.04]
Missing birth weight	-0.58	-0.34	-0.40	-0.37	-0.20	-0.33
	[0.15]**	[0.13]*	[0.15]**	[0.21]	[0.14]	[0.21]
Missing height	-0.15	-0.11	-0.16	-0.16	-0.10	-0.13
	[0.08]	[0.08]	[0.09]	[0.11]	[0.07]	[0.11]
Missing subjective health	-0.29	-0.18	-0.14	0.03	-0.20	0.04
	[0.10]**	[0.09]*	[0.12]	[0.14]	[0.08]*	[0.13]
Missing bedtime stories		0.11	0.07	0.06	0.06	0.03
		[0.06]*	[0.07]	[0.08]	[0.06]	[0.08]
Missing cognitive HOME index		-0.13	-0.08	-0.06	-0.05	-0.02
		[0.09]	[0.11]	[0.14]	[0.09]	[0.15]
Missing emotional HOME index		0.06	0.09	0.15	0.05	0.12
		[0.07]	[0.09]	[0.11]	[0.07]	[0.12]
Missing number of books					-0.20	-0.19
					[0.13]	[0.18]
Missing Internet					-0.10	-0.13
					[0.19]	[0.21]
Missing education of mother					-0.31	-0.46
					[0.26]	[0.33]
Missing education of father					-0.21	0.05
					[0.45]	[0.50]
Missing household income					-0.04	-0.05
					[0.03]	[0.05]
Missing apartment size, square meters					-0.04	-0.06
					[0.09]	[0.13]
Missing number of rooms					0.04	0.16
					[0.16]	[0.19]
Missing bathroom					-0.07	-0.22
					[0.18]	[0.27]
Missing poverty indices					0.12	-0.11
					[0.11]	[0.16]

Constant	-0.01 [0.02]	0.04 [0.02]*	-0.07 [0.03]*	-0.12 [0.03]**	-0.15 [0.04]**	1.06 [0.57]	0.95 [0.81]
School FE				YES	YES		YES
School × Class FE					YES		YES
Observations	9056	9056	9056	9056	9056	9056	9056
R-squared	0.06	0.09	0.25	0.53	0.66	0.33	0.68

Table 4A. Detailed results of the regressions on standardized test scores in mathematics

	(1)	(2)	(3)	(4)	(5)	(7)	(6)
Roma	-1.05 [0.05]**	-0.94 [0.05]**	-0.51 [0.05]**	-0.33 [0.05]**	-0.28 [0.07]**	-0.22 [0.05]**	-0.15 [0.07]*
Low birth weight		-0.38 [0.04]**	-0.29 [0.04]**	-0.19 [0.05]**	-0.17 [0.05]**	-0.23 [0.04]**	-0.16 [0.05]**
Body height (standardized)		0.11 [0.01]**	0.06 [0.01]**	0.06 [0.01]**	0.04 [0.02]*	0.03 [0.01]**	0.03 [0.02]
Subjective health fair or poor		-0.35 [0.04]**	-0.23 [0.04]**	-0.17 [0.05]**	-0.19 [0.06]**	-0.16 [0.04]**	-0.17 [0.06]**
Frequent bedtime stories (parent's answer)			0.12 [0.03]**	0.08 [0.03]**	0.07 [0.04]	0.06 [0.03]*	0.04 [0.04]
Rare theater with parents (parent's answer)			-0.12 [0.03]**	-0.03 [0.03]	-0.03 [0.04]	-0.02 [0.03]	-0.01 [0.04]
Rare hiking with parents (parent's answer)			-0.11 [0.03]**	-0.09 [0.03]**	-0.06 [0.04]	-0.03 [0.03]	-0.02 [0.04]
Bedtime stories never (child's answer)			-0.06 [0.06]	-0.06 [0.06]	-0.06 [0.07]	-0.04 [0.06]	-0.04 [0.07]
Bedtime stories every day (child's answer)			0.14 [0.03]**	0.09 [0.03]**	0.08 [0.04]*	0.07 [0.03]**	0.05 [0.04]
Cognitive HOME index			0.31 [0.01]**	0.24 [0.02]**	0.20 [0.02]**	0.12 [0.02]**	0.10 [0.02]**
Emotional HOME index			-0.06 [0.01]**	-0.05 [0.02]**	-0.04 [0.02]	-0.06 [0.01]**	-0.04 [0.02]*
Lives with biological mother						-0.15 [0.30]	-0.02 [0.32]
Lives with stepmother						-0.23 [0.31]	0.01 [0.33]
Lives with biological father						-0.12 [0.26]	-0.59 [0.56]
Lives with stepfather						-0.17 [0.26]	-0.61 [0.56]
Mother's education 0-8 th grade						-0.32 [0.05]**	-0.21 [0.07]**
Mother's education vocational						-0.29 [0.04]**	-0.22 [0.06]**
Mother's education secondary						-0.11 [0.04]**	-0.09 [0.06]
Father's education 0-8 th grade						-0.50 [0.06]**	-0.27 [0.09]**
Father's education vocational						-0.41 [0.05]**	-0.21 [0.07]**
Father's education secondary						-0.21 [0.05]**	-0.09 [0.07]
Books: 0-50						-0.39 [0.06]**	-0.26 [0.09]**
Books: 50						-0.28 [0.06]**	-0.21 [0.08]*
Books: 50-150						-0.25 [0.05]**	-0.14 [0.07]
Books: 150-300						-0.15 [0.05]**	-0.01 [0.07]
Books: 300-600						-0.12 [0.05]*	-0.05 [0.07]
Books: 600-1000						-0.10 [0.05]	-0.09 [0.08]
Internet at home						0.22 [0.03]**	0.22 [0.04]**

Mother employed					-0.03	0.03
					[0.04]	[0.05]
Father employed					-0.02	-0.05
					[0.04]	[0.06]
Fraction of years mother was employed					-0.01	-0.08
					[0.05]	[0.06]
Fraction of years father was employed					0.07	0.16
					[0.06]	[0.07]*
In Household income					0.01	0.01
					[0.03]	[0.04]
In Household size					-0.08	-0.11
					[0.06]	[0.08]
Non-employed adults in household					-0.04	-0.03
					[0.02]*	[0.03]
Apartment size, square meters per capita					0.00	0.00
					[0.00]	[0.00]
Rooms per capita					0.09	-0.07
					[0.06]	[0.09]
Bathroom					0.03	-0.03
					[0.06]	[0.07]
Poverty indicator (no money for food)					-0.12	-0.04
					[0.05]*	[0.06]
Poverty indicator (no money for heating)					-0.02	0.02
					[0.04]	[0.05]
Poverty indicator (child welfare allowance)					0.05	0.04
					[0.03]	[0.05]
Poverty indicator (free lunch)					-0.06	-0.13
					[0.05]	[0.06]*
Poverty indicator (free schoolbooks)					-0.03	0.03
					[0.03]	[0.04]
Missing birth weight	-0.37	-0.16	-0.27	-0.22	-0.04	-0.18
	[0.16]*	[0.13]	[0.17]	[0.19]	[0.12]	[0.18]
Missing height	-0.04	-0.02	-0.10	-0.13	-0.02	-0.11
	[0.09]	[0.08]	[0.10]	[0.13]	[0.08]	[0.13]
Missing subjective health	-0.33	-0.25	-0.16	-0.04	-0.28	0.00
	[0.10]**	[0.10]**	[0.11]	[0.15]	[0.09]**	[0.15]
Missing bedtime stories		0.13	0.09	0.04	0.08	0.03
		[0.06]*	[0.07]	[0.09]	[0.06]	[0.09]
Missing cognitive HOME index		-0.21	-0.20	-0.23	-0.14	-0.18
		[0.10]*	[0.11]	[0.13]	[0.09]	[0.13]
Missing emotional HOME index		-0.02	0.01	0.03	-0.04	-0.01
		[0.08]	[0.08]	[0.10]	[0.07]	[0.10]
Missing number of books					-0.14	-0.11
					[0.15]	[0.25]
Missing Internet					-0.09	-0.25
					[0.28]	[0.21]
Missing education of mother					-0.49	-0.36
					[0.29]	[0.31]
Missing education of father					-0.46	-0.72
					[0.26]	[0.57]
Missing household income					-0.05	-0.08
					[0.03]	[0.06]
Missing apartment size, square meters					-0.08	-0.08
					[0.09]	[0.12]
Missing number of rooms					0.31	0.50
					[0.22]	[0.22]*
Missing bathroom					0.22	0.22
					[0.19]	[0.23]
Missing poverty indices					0.13	0.03
					[0.12]	[0.19]

Constant	0.04 [0.02]*	0.10 [0.02]**	0.01 [0.03]	-0.02 [0.03]	-0.02 [0.04]	0.79 [0.39]*	0.92 [0.85]
School FE				YES	YES		YES
School \times Class FE					YES		YES
Observations	8335	8335	8335	8335	8335	8335	8335
R-squared	0.07	0.10	0.23	0.54	0.67	0.32	0.69

Table 5A. Results excluding students with special education needs.

	(1)	(2)	(3)	(4)	(5)	(6)	(7)
<i>Panel A. Reading</i>							
Gap	-0.95	-0.86	-0.4	-0.26	-0.19	-0.14	-0.07
[S.E.]	[0.06]**	[0.06]**	[0.06]**	[0.07]**	[0.08]*	[0.06]*	[0.08]
Observations	8201	8201	8201	8201	8201	8201	8201
R ²	0.06	0.08	0.24	0.51	0.65	0.31	0.66
<i>Panel B. Mathematics</i>							
Gap	-1.05	-0.94	-0.51	-0.33	-0.28	-0.23	-0.14
[S.E.]	[0.05]**	[0.05]**	[0.05]**	[0.05]**	[0.07]**	[0.05]**	[0.07]**
Observations	8193	8193	8193	8193	8193	8193	8193
R ²	0.07	0.10	0.23	0.54	0.67	0.32	0.69
<i>Control variables</i>							
Health		Yes	Yes	Yes	Yes	Yes	Yes
Home environment			Yes	Yes	Yes	Yes	Yes
School FE				Yes	Yes		Yes
School × Class FE					Yes		Yes
Family background						Yes	Yes

Standard errors in brackets are clustered at the school level. *Significant at the 5 percent level. **Significant at the 1 percent level.

Table 6A. Roma/non-Roma test score gap estimates by propensity score matching for specifications (2), (3) and (6).

	Nearest neighbor matching			Stratified matching		
	(2)	(3)	(6)	(2)	(3)	(6)
<i>Panel A. Reading</i>						
Gap	-0.82	-0.40	-0.09	-0.83	-0.39	-0.10
[S.E.]	[0.04]**	[0.05]**	[0.06]	[0.03]**	[0.03]**	[0.04]*
# treated observations	837	837	837	837	837	837
# control observations	3306	694	522	7988	7715	7757
<i>Panel B. Mathematics</i>						
Gap	-0.89	-0.59	-0.13	-0.89	-0.51	-0.17
[S.E.]	[0.04]**	[0.05]**	[0.06]*	[0.03]**	[0.03]**	[0.03]*
# treated observations	837	837	837	7988	837	837
# control observations	3096	597	425	425	7715	7757
<i>Variables in the propensity score equation</i>						
Health	Yes	Yes	Yes	Yes	Yes	Yes
Home environment		Yes	Yes		Yes	Yes
Family background			Yes			Yes

Standard errors in brackets are clustered at the school level. *Significant at the 5 percent level. **Significant at the 1 percent level.

Table 7A. Ethnic gap in health and parenting. Detailed estimates of the regressions on the Roma dummy and family background variables. OLS results.

	Low birth weight	Standardized height	Fair or poor health	Frequent bedtime stories	Rare theater	Rare hiking	Bedtime stories never	Bedtime stories every day	HOME cognitive	HOME emotional
Roma	0.04 [0.02]*	-0.07 [0.05]	0.01 [0.02]	-0.05 [0.03]*	-0.03 [0.02]	-0.01 [0.02]	0.06 [0.02]**	-0.03 [0.02]	-0.09 [0.05]*	0.09 [0.05]
Lives with bio. Mother	-0.05 [0.08]	-0.37 [0.31]	-0.14 [0.11]	0.19 [0.15]	-0.07 [0.14]	0.23 [0.14]	0.00 [0.07]	0.04 [0.15]	-0.24 [0.29]	-0.21 [0.33]
Lives with stepmother	-0.06 [0.08]	-0.47 [0.32]	-0.14 [0.11]	0.07 [0.15]	0.04 [0.15]	0.23 [0.14]	0.02 [0.07]	0.00 [0.15]	-0.50 [0.30]	-0.29 [0.34]
Lives with bio. Father	-0.01 [0.11]	0.62 [0.39]	0.19 [0.18]	0.23 [0.22]	0.15 [0.13]	-0.01 [0.18]	-0.10 [0.06]	0.22 [0.18]	0.11 [0.39]	0.36 [0.43]
Lives with stepfather	0.00 [0.11]	0.56 [0.39]	0.18 [0.18]	0.22 [0.22]	0.16 [0.13]	-0.02 [0.18]	-0.11 [0.06]	0.24 [0.18]	0.00 [0.39]	0.39 [0.43]
Mother's edu. 0-8 th grade	0.04 [0.01]**	-0.25 [0.05]**	0.05 [0.02]**	-0.25 [0.02]**	0.28 [0.02]**	0.30 [0.02]**	0.05 [0.01]**	-0.30 [0.03]**	-0.92 [0.04]**	-0.17 [0.05]**
Mother's edu. Vocational	0.01 [0.01]	-0.18 [0.04]**	0.02 [0.01]	-0.17 [0.02]**	0.22 [0.02]**	0.19 [0.02]**	0.00 [0.01]	-0.22 [0.02]**	-0.62 [0.03]**	-0.08 [0.04]
Mother's edu. Secondary	0.00 [0.01]	-0.07 [0.04]	0.01 [0.01]	-0.07 [0.02]**	0.11 [0.02]**	0.08 [0.02]**	0.00 [0.01]	-0.13 [0.02]**	-0.34 [0.03]**	-0.01 [0.04]
Father's edu. 0-8 th grade	0.03 [0.02]	-0.05 [0.06]	0.06 [0.02]**	-0.13 [0.03]**	0.14 [0.03]**	0.17 [0.03]**	0.02 [0.01]	-0.14 [0.03]**	-0.53 [0.05]**	-0.12 [0.06]
Father's edu. Vocational	0.01 [0.01]	-0.03 [0.05]	0.03 [0.01]**	-0.08 [0.02]**	0.14 [0.02]**	0.10 [0.02]**	0.00 [0.01]	-0.08 [0.02]**	-0.30 [0.03]**	-0.06 [0.05]
Father's edu. Secondary	0.00 [0.01]	-0.02 [0.05]	0.01 [0.01]	-0.04 [0.02]	0.07 [0.02]**	0.05 [0.02]*	0.00 [0.01]	-0.05 [0.02]*	-0.15 [0.03]**	-0.06 [0.05]
Mother employed	-0.02 [0.01]	0.02 [0.04]	-0.02 [0.01]	-0.02 [0.02]	-0.02 [0.02]	-0.02 [0.02]	0.00 [0.01]	-0.01 [0.02]	0.08 [0.03]**	-0.01 [0.04]
Father employed	-0.01 [0.01]	0.01 [0.04]	-0.02 [0.01]	-0.01 [0.02]	-0.01 [0.02]	-0.01 [0.02]	0.01 [0.01]	-0.03 [0.02]	0.05 [0.04]	-0.08 [0.05]
Fraction of years mother was employed	0.02 [0.01]	0.02 [0.05]	-0.01 [0.02]	0.03 [0.02]	-0.01 [0.02]	-0.02 [0.02]	0.00 [0.01]	-0.02 [0.02]	0.03 [0.04]	0.08 [0.05]
Fraction of years father was employed	-0.01 [0.02]	0.07 [0.06]	0.04 [0.02]*	0.06 [0.03]*	-0.03 [0.03]	-0.03 [0.03]	-0.03 [0.01]*	0.07 [0.03]**	0.21 [0.05]**	0.20 [0.06]**
ln Household income	-0.01 [0.01]	0.03 [0.03]	0.00 [0.01]	0.01 [0.01]	-0.04 [0.01]**	-0.05 [0.01]**	-0.01 [0.01]	0.00 [0.02]	0.04 [0.03]	-0.09 [0.03]**
ln Household size	0.00 [0.02]	-0.08 [0.06]	-0.02 [0.02]	-0.11 [0.03]**	0.05 [0.03]	0.02 [0.03]	0.02 [0.01]	-0.07 [0.03]*	0.04 [0.05]	0.12 [0.06]*
Non-empl adults in household	0.00 [0.01]	0.00 [0.02]	0.00 [0.01]	0.00 [0.01]	0.00 [0.01]	0.01 [0.01]	0.00 [0.00]	0.01 [0.01]	0.04 [0.02]*	-0.03 [0.02]
Apt sq. meters per capita	0.00 [0.00]	0.00 [0.00]	0.00 [0.00]	0.00 [0.00]	0.00 [0.00]*	0.00 [0.00]**	0.00 [0.00]	0.00 [0.00]	0.00 [0.00]	0.00 [0.00]
Rooms per capita	-0.04 [0.02]*	0.10 [0.06]	0.01 [0.02]	0.07 [0.03]*	-0.13 [0.03]**	-0.15 [0.03]**	-0.01 [0.01]	0.08 [0.03]*	0.36 [0.05]**	0.02 [0.06]
Bathroom	-0.01 [0.02]	0.20 [0.06]**	-0.01 [0.02]	0.02 [0.03]	-0.11 [0.02]**	-0.08 [0.03]**	-0.09 [0.02]**	0.02 [0.03]	0.52 [0.06]**	0.13 [0.06]*
Poverty (no money for food)	0.01 [0.02]	-0.05 [0.05]	0.03 [0.02]	-0.04 [0.03]	0.03 [0.02]	0.04 [0.02]	0.04 [0.02]**	-0.01 [0.02]	-0.17 [0.05]**	-0.15 [0.06]**
Poverty (no money for heating)	0.00 [0.01]	0.02 [0.04]	0.01 [0.01]	-0.04 [0.02]*	-0.01 [0.02]	0.00 [0.02]	0.01 [0.01]	-0.03 [0.02]	-0.16 [0.03]**	-0.06 [0.04]
Poverty (child welfare allowance)	-0.01 [0.01]	-0.03 [0.03]	-0.01 [0.01]	-0.03 [0.02]*	0.06 [0.02]**	0.06 [0.02]**	0.00 [0.01]	-0.06 [0.02]**	-0.15 [0.03]**	-0.06 [0.04]
Poverty (free lunch)	0.02 [0.02]	-0.07 [0.05]	0.01 [0.02]	-0.02 [0.02]	0.05 [0.02]*	0.04 [0.02]*	-0.01 [0.01]	0.00 [0.02]	-0.10 [0.04]**	-0.10 [0.04]*
Poverty (free	0.01	-0.01	0.03	0.04	0.01	-0.01	0.00	0.00	0.01	-0.10

schoolbooks)	[0.01]	[0.03]	[0.01]**	[0.01]**	[0.01]	[0.01]	[0.01]	[0.01]	[0.02]	[0.03]**
Missing edu.	-0.04	-0.62	-0.11	-0.13	0.17	0.34	0.03	-0.27	-1.05	-0.04
of mother	[0.08]	[0.30]*	[0.10]	[0.14]	[0.14]	[0.13]**	[0.06]	[0.14]	[0.28]**	[0.32]
Missing edu.	0.01	0.66	0.24	0.15	0.20	0.03	-0.11	0.19	-0.12	-0.22
of father	[0.11]	[0.39]	[0.18]	[0.22]	[0.13]	[0.18]	[0.06]	[0.18]	[0.39]	[0.43]
Missing	0.01	0.04	0.01	0.04	-0.07	-0.07	-0.01	0.00	0.04	0.04
income	[0.01]	[0.04]	[0.01]	[0.02]*	[0.02]**	[0.02]**	[0.01]	[0.02]	[0.03]	[0.04]
Missing apt	0.08	-0.08	0.02	-0.12	0.04	0.00	0.13	-0.12	-0.07	-0.47
size	[0.05]	[0.10]	[0.04]	[0.05]*	[0.05]	[0.05]	[0.05]**	[0.04]**	[0.09]	[0.10]**
Missing	-0.03	0.54	0.00	0.13	-0.13	-0.08	-0.12	-0.05	0.04	0.65
n.rooms	[0.04]	[0.21]*	[0.05]	[0.08]	[0.09]	[0.08]	[0.03]**	[0.10]	[0.14]	[0.17]**
Missing	-0.09	0.09	0.07	-0.15	-0.11	0.00	0.06	-0.07	-0.11	0.35
bathroom	[0.02]**	[0.32]	[0.11]	[0.11]	[0.10]	[0.09]	[0.07]	[0.10]	[0.21]	[0.19]
Missing	-0.03	-0.30	0.03	-0.10	-0.10	-0.06	-0.03	-0.04	0.00	0.14
poverty	[0.03]	[0.13]*	[0.05]	[0.07]	[0.07]	[0.06]	[0.02]	[0.07]	[0.10]	[0.14]
Constant	0.28	-0.58	0.07	0.36	0.92	0.81	0.32	0.40	-0.73	0.87
	[0.12]*	[0.47]	[0.16]	[0.23]	[0.23]**	[0.25]**	[0.09]**	[0.25]	[0.49]	[0.51]
Observations	9056	9056	9056	9056	9056	9056	9056	9056	9056	9056
R-squared	0.03	0.04	0.03	0.11	0.16	0.16	0.09	0.11	0.42	0.11