

Table 1

Descriptive Statistics of Study Variables (N=1,305)

	Mean or Proportion	SD
<u>Household characteristics at child birth</u>		
Single mother at birth	33%	---
Owns home	49%	---
Low birth weight	9%	---
Head employed	80%	---
Head high school education or less	50%	---
<u>Primary caregiver characteristics</u>		
Age (years)	35.24	7.41
Passage comprehension (1997)	30.99	5.43
Cleanliness of home (1997)	4.08	1.05
Average daily hours cleaning (1997)	3.61	2.35
<u>Child characteristics</u>		
Boy	49%	---
Age (years in 2002)	13.79	2.85
White	53%	---
<u>Economic characteristics</u>		
Lifetime income (2000\$)	54277.72	47804.95
<=\$15,000	11%	---
>\$15,000 & <=\$25,000	13%	---
>\$25,000 & <=\$40,000	25%	---
>\$45,000 & <=\$60,000	18%	---
>\$60,000 & <=\$75,000	12%	---
>\$75,000	20%	---
Less than 50% drop	53%	---
More than 50% drop once	27%	---
More than 50% drop more than once	20%	---
Average income growth	0.26	32.91
<u>Period economic characteristics</u>		
Early childhood income (2000\$)	48413.06	40500.29
Middle childhood income (2000\$)	54619.81	52396.63
Early <=\$15,000	0.15	---
Early >\$15,000 & <=\$25,000	0.13	---
Early >\$25,000 & <=\$40,000	0.27	---
Early >\$45,000 & <=\$60,000	0.18	---
Early >\$60,000 & <=\$75,000	0.11	---

Early >\$75,000	0.16	---
Middle <=\$15,000	0.14	---
Middle >\$15,000 & <=\$25,000	0.13	---
Middle >\$25,000 & <=\$40,000	0.23	---
Middle >\$45,000 & <=\$60,000	0.18	---
Middle >\$60,000 & <=\$75,000	0.11	---
Middle >\$75,000	0.21	---
Instability in early childhood	24%	---
Instability in middle childhood	26%	---
Average growth in early childhood	18%	31.56
Average growth in middle childhood	20%	36.63

Child outcomes

Externalizing behavior problems	22.74	5.81
Internalizing behavior problems	16.55	3.90
Letter-word identification	103.02	19.04
Passage comprehension	102.31	15.12
Applied problems	102.74	16.13
Digit span	15.93	4.16
General child health	1.63	0.80
Poor health	15%	---

Table 2

Regression Analyses: Behavior Problems

	Externalizing Behavior					
	<u>Model 1</u>			<u>Model 2</u>		
	B		SE	B		SE
Single mother at birth	0.91	*	0.51	1.01	*	0.51
Owns home	0.00		0.36	0.00		0.37
Low birth weight	-0.44		0.56	-0.36		0.56
Head employed	-0.70		0.54	-0.71		0.55
Head high school education or less	-0.43		0.36	-0.41		0.36
Primary caregiver age	-0.04		0.03	-0.04		0.03
PCG Passage comprehension	-0.06		0.04	-0.06		0.04
Cleanliness of home	-0.72	***	0.18	-0.74	***	0.18
Average daily hours spent cleaning	-0.03		0.07	-0.02		0.07
Boy	-0.34		0.31	-0.36		0.32
Age (years)	-0.12	*	0.06	-0.11	*	0.06
White	0.70	*	0.41	0.71	*	0.40
Lifetime income <=\$15,000	1.75	*	0.90	---		
Lifetime income >\$15,000 & <=\$25,000	1.06		0.74	---		
Lifetime income >\$25,000 & <=\$40,000	1.21	**	0.52	---		
Lifetime income >\$45,000 & <=\$60,000	0.76		0.48	---		
Lifetime income >\$60,000 & <=\$75,000	0.93	*	0.54	---		
More than 50% drop once	-0.34		0.41	---		
More than 50% drop more than once	0.73		0.56	---		
Average income growth	0.00		0.01	---		
Early income <=\$15,000	---			0.86		1.01
Early income >\$15,000 & <=\$25,000	---			-0.31		0.84
Early income >\$25,000 & <=\$40,000	---			-0.37		0.61
Early income >\$45,000 & <=\$60,000	---			0.25		0.56
Early income >\$60,000 & <=\$75,000	---			-0.43		0.55
Middle income <=\$15,000	---			1.39		0.99
Middle income >\$15,000 & <=\$25,000	---			0.45		0.80
Middle income >\$25,000 & <=\$40,000	---			1.33	**	0.61
Middle income >\$45,000 & <=\$60,000	---			1.57	**	0.56
Middle income >\$60,000 & <=\$75,000	---			0.97		0.60
Instability in early childhood	---			0.68		0.48
Instability in middle childhood	---			-0.25		0.42
Average growth in early childhood	---			0.00		0.01
Average growth in middle childhood	---			0.01		0.00
Constant	30.05	***	2.14	29.92	***	2.10
Number of observations			1,302			1,302
F-Test	5.08	***		4.18	***	
R-Squared	0.08			0.09		

Note: * $p < .10$; ** $p < .05$; *** $p < .01$

Table 2 cont.

	Internalizing Behavior			
	<u>Model 1</u>		<u>Model 2</u>	
	B	SE	B	SE
Single mother at birth	0.40	0.37	0.37	0.37
Owns home	0.22	0.26	0.25	0.27
Low birth weight	0.18	0.40	0.24	0.41
Head employed	-0.22	0.36	-0.13	0.37
Head high school education or less	0.11	0.24	0.11	0.24
Primary caregiver age	-0.02	0.02	-0.02	0.02
PCG Passage comprehension	-0.02	0.03	-0.02	0.03
Cleanliness of home	-0.48	*** 0.13	-0.51	*** 0.13
Average daily hours spent cleaning	0.01	0.06	0.01	0.06
Boy	-0.06	0.21	-0.06	0.21
Age (years)	0.06	0.04	0.08	* 0.04
White	0.89	** 0.29	0.89	** 0.28
Lifetime income <=\$15,000	1.29	** 0.59	---	
Lifetime income >\$15,000 & <=\$25,000	0.64	0.54	---	
Lifetime income >\$25,000 & <=\$40,000	0.43	0.37	---	
Lifetime income >\$45,000 & <=\$60,000	0.04	0.34	---	
Lifetime income >\$60,000 & <=\$75,000	0.24	0.36	---	
More than 50% drop once	-0.01	0.30	---	
More than 50% drop more than once	0.61	0.40	---	
Average income growth	0.00	0.00	---	
Early income <=\$15,000	---		1.23	* 0.67
Early income >\$15,000 & <=\$25,000	---		0.41	0.61
Early income >\$25,000 & <=\$40,000	---		0.00	0.42
Early income >\$45,000 & <=\$60,000	---		0.06	0.37
Early income >\$60,000 & <=\$75,000	---		0.02	0.36
Middle income <=\$15,000	---		0.55	0.64
Middle income >\$15,000 & <=\$25,000	---		-0.26	0.58
Middle income >\$25,000 & <=\$40,000	---		0.15	0.43
Middle income >\$45,000 & <=\$60,000	---		0.32	0.40
Middle income >\$60,000 & <=\$75,000	---		-0.08	0.39
Instability in early childhood	---		0.51	0.33
Instability in middle childhood	---		-0.23	0.29
Average growth in early childhood	---		0.00	0.00
Average growth in middle childhood	---		0.00	0.00
Constant	18.21	*** 1.50	17.98	*** 1.47
Number of observations		1,296		1,296
F-Test	2.81	***	2.69	***
R-Squared	0.06		0.06	

Note: * $p < .10$; ** $p < .05$; *** $p < .01$

Table 3

Regression Analyses: Cognitive Assessments

	Letter-Word				
	<u>Model 1</u>		<u>Model 2</u>		
	B	SE	B	SE	
Single mother at birth	-1.55	1.41	-1.25	1.38	
Owns home	0.58	1.09	0.39	1.11	
Low birth weight	-1.18	1.75	-1.48	1.71	
Head employed	-0.09	1.38	-0.11	1.37	
Head high school education or less	-4.04	**	1.16	-4.05	**
Primary caregiver age	0.12		0.07	0.11	
PCG Passage comprehension	0.58	***	0.11	0.59	***
Cleanliness of home	2.15	***	0.48	2.18	***
Average daily hours spent cleaning	0.19		0.21	0.18	
Boy	3.74	***	0.95	3.74	***
Age (years)	-0.42	**	0.18	-0.47	**
White	3.96	**	1.44	4.17	**
Lifetime income <=\$15,000	-7.78	**	2.45	---	
Lifetime income >\$15,000 & <=\$25,000	-5.19	**	2.32	---	
Lifetime income >\$25,000 & <=\$40,000	-2.66		1.84	---	
Lifetime income >\$45,000 & <=\$60,000	-2.75		1.84	---	
Lifetime income >\$60,000 & <=\$75,000	-2.26		2.10	---	
More than 50% drop once	0.47		1.29	---	
More than 50% drop more than once	-3.24	*	1.66	---	
Average income growth	0.02		0.02	---	
Early income <=\$15,000	---			-8.52	**
Early income >\$15,000 & <=\$25,000	---			-4.39	*
Early income >\$25,000 & <=\$40,000	---			-5.17	**
Early income >\$45,000 & <=\$60,000	---			-3.65	*
Early income >\$60,000 & <=\$75,000	---			-1.86	
Middle income <=\$15,000	---			0.91	
Middle income >\$15,000 & <=\$25,000	---			2.10	
Middle income >\$25,000 & <=\$40,000	---			2.74	
Middle income >\$45,000 & <=\$60,000	---			1.22	
Middle income >\$60,000 & <=\$75,000	---			1.13	
Instability in early childhood	---			-3.84	**
Instability in middle childhood	---			-1.14	
Average growth in early childhood	---			0.01	
Average growth in middle childhood	---			0.02	
Constant	78.56	***	5.68	79.46	***
Number of observations		1,207		1,207	
F-Test	18.89	***		15.43	***
R-Squared	0.25			0.26	

Note: * $p < .10$; ** $p < .05$; *** $p < .01$

Table 3 cont.

	Passage Comprehension					
	<u>Model 1</u>			<u>Model 2</u>		
	B		SE	B		SE
Single mother at birth	-3.63	**	1.16	-3.50	**	1.17
Owns home	0.14		0.82	-0.02		0.84
Low birth weight	-1.05		1.58	-1.03		1.58
Head employed	0.15		1.12	0.34		1.07
Head high school education or less	-2.86	**	0.87	-2.86	**	0.88
Primary caregiver age	0.03		0.06	0.03		0.06
PCG Passage comprehension	0.56	***	0.09	0.56	***	0.09
Cleanliness of home	1.32	***	0.39	1.22	**	0.39
Average daily hours spent cleaning	0.05		0.15	0.03		0.15
Boy	2.70	***	0.75	2.82	***	0.75
Age (years)	-0.96	***	0.14	-1.01	***	0.14
White	3.50	**	1.10	3.63	**	1.11
Lifetime income <=\$15,000	-2.60		2.14	---		
Lifetime income >\$15,000 & <=\$25,000	-2.49		1.81	---		
Lifetime income >\$25,000 & <=\$40,000	-1.51		1.40	---		
Lifetime income >\$45,000 & <=\$60,000	-3.24	**	1.31	---		
Lifetime income >\$60,000 & <=\$75,000	-2.31	*	1.39	---		
More than 50% drop once	-0.65		0.95	---		
More than 50% drop more than once	-3.48	**	1.42	---		
Average income growth	0.01		0.02	---		
Early income <=\$15,000	---			-1.71		2.17
Early income >\$15,000 & <=\$25,000	---			1.10		2.10
Early income >\$25,000 & <=\$40,000	---			-0.40		1.63
Early income >\$45,000 & <=\$60,000	---			-2.04		1.58
Early income >\$60,000 & <=\$75,000	---			0.55		1.68
Middle income <=\$15,000	---			-0.83		2.56
Middle income >\$15,000 & <=\$25,000	---			-0.85		2.17
Middle income >\$25,000 & <=\$40,000	---			-1.64		1.86
Middle income >\$45,000 & <=\$60,000	---			-1.85		1.62
Middle income >\$60,000 & <=\$75,000	---			-0.03		1.74
Instability in early childhood	---			-2.73	**	0.97
Instability in middle childhood	---			-2.09	**	0.92
Average growth in early childhood	---			0.01		0.01
Average growth in middle childhood	---			0.00		0.01
Constant	93.41	***	4.43	94.20	***	4.30
Number of observations			1,199			1,199
F-Test	25.23	***		20.58	***	
R-Squared	0.29			0.29		

Note: * $p < .10$; ** $p < .05$; *** $p < .01$

Table 3 cont.

	Applied Problems					
	<u>Model 1</u>			<u>Model 2</u>		
	B		SE	B		SE
Single mother at birth	-1.97	*	1.14	-1.85		1.14
Owns home	-0.71		0.86	0.39		0.87
Low birth weight	-2.00		1.55	-2.29		1.57
Head employed	-1.28		1.16	-1.33		1.14
Head high school education or less	-2.89	**	0.94	-2.64	**	0.91
Primary caregiver age	0.05		0.08	0.04		0.07
PCG Passage comprehension	0.43	***	0.10	0.42	***	0.10
Cleanliness of home	1.89	***	0.43	1.83	***	0.43
Average daily hours spent cleaning	0.10		0.19	0.09		0.18
Boy	-1.49	*	0.76	-1.55	**	0.76
Age (years)	-1.13	***	0.16	-1.08	***	0.16
White	6.72	***	1.12	6.85	***	1.12
Lifetime income <=\$15,000	-6.08	**	2.12	---		
Lifetime income >\$15,000 & <=\$25,000	-5.95	**	1.92	---		
Lifetime income >\$25,000 & <=\$40,000	-3.89	**	1.52	---		
Lifetime income >\$45,000 & <=\$60,000	-4.30	**	1.44	---		
Lifetime income >\$60,000 & <=\$75,000	-3.66	**	1.60	---		
More than 50% drop once	0.77		1.07	---		
More than 50% drop more than once	-1.27		1.35	---		
Average income growth	0.00		0.01	---		
Early income <=\$15,000	---			-3.46		2.40
Early income >\$15,000 & <=\$25,000	---			-2.21		2.22
Early income >\$25,000 & <=\$40,000	---			-3.26	*	1.80
Early income >\$45,000 & <=\$60,000	---			-2.41		1.73
Early income >\$60,000 & <=\$75,000	---			-2.82	*	1.71
Middle income <=\$15,000	---			-5.41	**	2.43
Middle income >\$15,000 & <=\$25,000	---			-4.18	**	2.07
Middle income >\$25,000 & <=\$40,000	---			-2.38		1.90
Middle income >\$45,000 & <=\$60,000	---			-4.30	**	1.64
Middle income >\$60,000 & <=\$75,000	---			-2.85	*	1.72
Instability in early childhood	---			-0.36		1.09
Instability in middle childhood	---			-0.88		0.96
Average growth in early childhood	---			0.00		0.01
Average growth in middle childhood	---			-0.01		0.01
Constant	99.37	***	5.13	101.38	***	5.10
Number of observations			1,200			1,200
F-Test	28.86	***		23.23	***	
R-Squared	0.33			0.34		

Note: * $p < .10$; ** $p < .05$; *** $p < .01$

Table 3 cont.

	Digit Span					
	<u>Model 1</u>			<u>Model 2</u>		
	B		SE	B		SE
Single mother at birth	-0.64	*	0.34	-0.58	*	0.34
Owns home	-0.15		0.25	-0.15		0.26
Low birth weight	-0.12		0.43	-0.10		0.43
Head employed	-0.10		0.32	-0.10		0.33
Head high school education or less	-0.49		0.29	-0.52	*	0.29
Primary caregiver age	0.02		0.02	0.03		0.02
PCG Passage comprehension	0.10	***	0.03	0.10	***	0.03
Cleanliness of home	0.21	*	0.13	0.24	*	0.13
Average daily hours spent cleaning	-0.08		0.05	-0.07		0.06
Boy	0.35		0.22	0.34		0.22
Age (years)	0.38		0.05	0.39		0.05
White	0.04		0.32	0.08		0.33
Lifetime income <=\$15,000	-1.25	**	0.61	---		
Lifetime income >\$15,000 & <=\$25,000	-0.49		0.53	---		
Lifetime income >\$25,000 & <=\$40,000	-0.93	**	0.44	---		
Lifetime income >\$45,000 & <=\$60,000	-1.16	**	0.40	---		
Lifetime income >\$60,000 & <=\$75,000	-0.50		0.45	---		
More than 50% drop once	-0.45		0.31	---		
More than 50% drop more than once	0.10		0.39	---		
Average income growth	0.00		0.00	---		
Early income <=\$15,000	---			-0.57		0.70
Early income >\$15,000 & <=\$25,000	---			-0.12		0.61
Early income >\$25,000 & <=\$40,000	---			-0.74		0.51
Early income >\$45,000 & <=\$60,000	---			-0.39		0.49
Early income >\$60,000 & <=\$75,000	---			-0.16		0.51
Middle income <=\$15,000	---			-0.56		0.67
Middle income >\$15,000 & <=\$25,000	---			-0.21		0.64
Middle income >\$25,000 & <=\$40,000	---			-0.26		0.54
Middle income >\$45,000 & <=\$60,000	---			-0.42		0.49
Middle income >\$60,000 & <=\$75,000	---			-0.36		0.49
Instability in early childhood	---			0.14		0.31
Instability in middle childhood	---			-0.09		0.28
Average growth in early childhood	---			0.00		0.00
Average growth in middle childhood	---			0.00		0.00
Constant	7.49	***	1.43	6.96	***	1.43
Number of observations			1,201			1,201
F-Test	12.38	***		9.14	***	
R-Squared	0.18			0.17		

Note: * $p < .10$; ** $p < .05$; *** $p < .01$

Table 4

Regression Analyses: Child Health Outcomes

	Child Health					
	<u>Model 1</u>			<u>Model 2</u>		
	B		SE	B		SE
Single mother at birth	-0.02		0.07	-0.02		0.07
Owns home	0.02		0.05	0.02		0.05
Low birth weight	0.22	**	0.08	0.23	**	0.08
Head employed	0.12	*	0.07	0.13	*	0.07
Head high school education or less	0.13	**	0.05	0.14	**	0.05
Primary caregiver age	0.01	*	0.00	0.01	*	0.00
PCG Passage comprehension	0.00		0.01	0.00		0.01
Cleanliness of home	-0.06	**	0.03	-0.07	**	0.03
Average daily hours spent cleaning	0.00		0.01	0.00		0.01
Boy	0.06		0.04	0.06		0.04
Age (years)	0.00		0.01	0.00		0.01
White	-0.08		0.06	-0.08		0.06
Lifetime income <=\$15,000	0.53	***	0.13	---		
Lifetime income >\$15,000 & <=\$25,000	0.34	***	0.10	---		
Lifetime income >\$25,000 & <=\$40,000	0.22	**	0.08	---		
Lifetime income >\$45,000 & <=\$60,000	0.13	*	0.07	---		
Lifetime income >\$60,000 & <=\$75,000	0.02		0.07	---		
More than 50% drop once	0.04		0.06	---		
More than 50% drop more than once	0.13	*	0.08	---		
Average income growth	0.00		0.00	---		
Early income <=\$15,000	---			0.31	**	0.14
Early income >\$15,000 & <=\$25,000	---			0.12		0.12
Early income >\$25,000 & <=\$40,000	---			0.12		0.09
Early income >\$45,000 & <=\$60,000	---			0.00		8.00
Early income >\$60,000 & <=\$75,000	---			-0.02		0.07
Middle income <=\$15,000	---			0.25	*	0.14
Middle income >\$15,000 & <=\$25,000	---			0.14		0.12
Middle income >\$25,000 & <=\$40,000	---			0.14		0.09
Middle income >\$45,000 & <=\$60,000	---			0.07		0.08
Middle income >\$60,000 & <=\$75,000	---			0.13	*	0.08
Instability in early childhood	---			0.08		0.07
Instability in middle childhood	---			0.01		0.06
Average growth in early childhood	---			0.00		0.00
Average growth in middle childhood	---			0.00		0.00
Constant	1.36	***	0.29	1.39	***	0.29
Number of observations			1,305			1,305
F-Test	6.38	***		5.13	***	
R-Squared	0.11			0.11		

Note: * $p < .10$; ** $p < .05$; *** $p < .01$

Table 4 cont.

	Poor Child Health				
	<u>Model 1</u>		<u>Model 2</u>		
	B	SE	B	SE	
Single mother at birth	-0.02	0.03	-0.01	0.30	
Owns home	0.02	0.02	0.02	0.02	
Low birth weight	0.12	**	0.04	0.13	**
Head employed	0.05		0.03	0.05	
Head high school education or less	0.07	**	0.02	0.08	**
Primary caregiver age	0.00		0.00	0.00	
PCG Passage comprehension	0.00		0.00	0.00	
Cleanliness of home	-0.03	**	0.01	-0.04	**
Average daily hours spent cleaning	0.00		0.00	0.00	
Boy	0.01		0.02	0.01	
Age (years)	0.00		0.00	0.00	
White	-0.01		0.03	-0.01	
Lifetime income <=\$15,000	0.17	**	0.06	---	
Lifetime income >\$15,000 & <=\$25,000	0.08		0.05	---	
Lifetime income >\$25,000 & <=\$40,000	0.06		0.04	---	
Lifetime income >\$45,000 & <=\$60,000	0.00		0.03	---	
Lifetime income >\$60,000 & <=\$75,000	0.00		0.03	---	
More than 50% drop once	0.00		0.03	---	
More than 50% drop more than once	0.04		0.04	---	
Average income growth	0.00		0.00	---	
Early income <=\$15,000	---		0.10	*	0.06
Early income >\$15,000 & <=\$25,000	---		0.05		0.05
Early income >\$25,000 & <=\$40,000	---		0.01		0.04
Early income >\$45,000 & <=\$60,000	---		-0.04		0.03
Early income >\$60,000 & <=\$75,000	---		-0.03		0.03
Middle income <=\$15,000	---		0.04		0.06
Middle income >\$15,000 & <=\$25,000	---		0.00		0.05
Middle income >\$25,000 & <=\$40,000	---		0.05		0.04
Middle income >\$45,000 & <=\$60,000	---		0.01		0.03
Middle income >\$60,000 & <=\$75,000	---		0.06	*	0.03
Instability in early childhood	---		0.05		0.03
Instability in middle childhood	---		-0.02		0.03
Average growth in early childhood	---		0.00		0.00
Average growth in middle childhood	---		0.00		0.00
Constant	0.14	0.13	0.16	0.13	
Number of observations		1,305		1,305	
F-Test	4.22	***	3.78	***	
R-Squared	0.08		0.09		

Note: * $p < .10$; ** $p < .05$; *** $p < .01$

Appendix

Lowest income groups

	Externalizing	Internalizing	Letter- Word	Passage Comp	Applied Prob	Digit Span	Health	Poor health
<u>Model 1</u>								
More than 50% drop once								
More than 50% drop more than once		1.49	-4.90	-4.07			0.26	0.11
Average income growth								
<u>Model 2</u>								
Instability in early childhood		1.11	-4.24	-2.95				
Instability in middle childhood								
Average growth in early childhood								
Average growth in middle childhood				-0.03	-0.05			

Appendix cont.

Middle income groups

	Externalizing	Internalizing	Letter- Word	Passage Comp	Applied Prob	Digit Span	Health	Poor health
<u>Model 1</u>								
More than 50% drop once								
More than 50% drop more than once								
Average income growth								
<u>Model 2</u>								
Instability in early childhood								
Instability in middle childhood				-2.95				
Average growth in early childhood								
Average growth in middle childhood			0.05					

Appendix cont.

Highest income groups

	Externalizing	Internalizing	Letter- Word	Passage Comp	Applied Prob	Digit Span	Health	Poor health
<u>Model 1</u>								
More than 50% drop once						-1.82	0.23	
More than 50% drop more than once				-7.12			0.24	
Average income growth				0.05				
<u>Model 2</u>								
Instability in early childhood					5.22		0.49	0.21
Instability in middle childhood					-4.77			-0.08
Average growth in early childhood	-0.03							
Average growth in middle childhood							-0.01	-0.01