

Table 1

Weighted Descriptive Statistics and Zero-Order Correlations with Fatherhood Timing (N = 1114)

Variables	Mean	SD	Min	Max	Correlation
Interaction time	280.70	225.47	0	1095	0.05
Interaction time with mother absent	81.67	121.11	0	880	0.10 **
Affection and talks with child	3.52	0.85	1	5	0.11 ***
After-school activities	0.37	0.48	0	1	0.13 ***
Cognitive activities	2.09	0.80	1	5	0.14 ***
Sports and outdoor activities	2.27	1.12	1	5	0.07 *
Religious services at least once/month	0.52	0.50	0	1	0.05
Rule enforcement	2.55	0.81	1	4	-0.10 ***
Fatherhood timing ^a	2.79	0.50	1.70	4.90	
Female child	0.53	0.50	0	1	-0.03
Child's age	10.95	3.62	6	17	-0.10 ***
Father's age	41.20	6.64	22	76	0.46 ***
Father's education					
Less than HS	0.15	0.36	0	1	-0.21 ***
HS diploma	0.26	0.44	0	1	-0.22 ***
Some college	0.22	0.41	0	1	0.01
Family income (1000s)	85.92	84.16	4.12	936.69	0.21 ***
Father's race/ethnicity					
Black	0.05	0.22	0	1	-0.08 **
Hispanic	0.15	0.35	0	1	-0.17 ***
Other non-white	0.05	0.22	0	1	0.08 **
# children	2.38	0.97	1	6	-0.15 ***
Father's work hours					
< 35 hrs/wk	0.06	0.23	0	1	0.06 *
> 45 hrs/wk	0.42	0.49	0	1	0.01
Mother's share of couple earnings	0.26	0.25	0	1	0.12 ***
Mother's employment (average)					
Mother not working	0.18	0.39	0	1	-0.05
Mother < 35 hrs/wk	0.39	0.49	0	1	0.01
Aggravation	2.09	0.82	1	5	-0.04
Support for involvement	3.42	0.42	1.33	4.00	0.13 ***
Father's expectations for child's ed					
Low educ expectations	0.27	0.44	0	1	-0.18 ***
High educ expectations	0.23	0.42	0	1	0.12 ***
Mother's egalitarianism	2.79	0.66	1	4	0.11 ***
Mother's support for involvement	3.46	0.42	1	4	0.08 **

Note: All tables are based on the Panel Study of Income Dynamics and Child Development Supplement

^aThe father's age at first birth divided by 10.

*p < .05. **p < .01. ***p < .001.

Table 2

Weighted Percentage Distributions of Education and Family Income among Early, On-time, and Delayed Fathers (N = 750)

		Fatherhood Timing			
		Early (under 25)	On-time (25-30)	Delayed (over 30)	Total
Education	Less than HS	24.05 ^a	13.46	5.46 ^b	13.86
	HS diploma	37.80 ^a	28.43	13.75 ^b	26.67
	Some college	25.88	23.12	20.24	23.00
	College graduate	12.27 ^a	34.99	60.55 ^b	36.48
	Total	100.00	100.00	100.00	100.00
		F (5.95, 4160.62) = 12.58		p < .001	
Family income	Bottom quartile	40.40 ^a	20.22	16.17 ^c	24.29
	Second quartile	36.28 ^a	25.79	12.93 ^b	24.95
	Third quartile	11.82 ^a	29.69	30.42 ^c	25.31
	Top quartile	11.50 ^a	24.30	40.47 ^b	25.45
	Total	100.00	100.00	100.00	100.00
		F (5.95, 4322.39) = 12.63		p < .001	

^aSignificantly different than the on-time and delayed groups combined, p < .05

^bSignificantly different than the early and on-time groups combined, p < .05

^cSignificantly different than the early group (p < .05), but not significantly different than the early and on-time groups combined

Table 3a

Tobit Regression Analysis for Variables Predicting Interaction Time with Mother Absent (N = 1114)

Variable	Model 1		Model 2		Model 3		Model 4		Model 5		Model 6		Model 7	
	B	SE B	B	SE B	B	SE B	B	SE B	B	SE B	B	SE B	B	SE B
Fatherhood timing ^a	37.38 **	13.11	30.24	16.84	25.35	13.71	28.07 *	12.87	32.36 *	13.35	32.53 *	13.05	21.09	13.10
Female child	-57.62 ***	13.20	-56.78 ***	13.16	-59.79 ***	13.16	-58.71 ***	13.20	-57.79 ***	13.17	-55.47 ***	13.05	-59.64 ***	13.01
Child's age	-3.87 *	1.82	-4.96 *	2.37	-4.29 *	1.85	-4.06 *	1.83	-4.33 *	1.84	-4.33 *	1.73	-4.20 *	1.77
Father's age			1.07	1.58										
Less than HS					-56.28 *	22.07							-31.85	23.48
HS diploma					-2.25	17.57							1.87	16.86
Some college					16.50	18.86							21.87	18.26
Family income (1000s)					0.07	0.11								
Black							-48.37 *	20.70					-47.26 *	21.67
Hispanic							-62.69 **	22.95					-28.97	25.84
Other non-white							8.66	24.67					20.35	25.14
# children									-6.98	8.16				
< 35 hrs/wk									4.32	43.64				
> 45 hrs/wk									-3.66	13.70				
Mother's share of couple earnings									-42.03	34.09				
Mother not working									-2.17	23.28				
Mother < 35 hrs/wk									12.08	17.34				
Aggravation											-2.98	10.46		
Support for involvement											-15.91	20.36		
Low educ expectations											7.13	14.47		
High educ expectations											-9.35	17.24		
Mother's egalitarianism											25.72 *	10.00	23.55 *	9.95
Mother's support for involvement											42.93 *	16.64	27.30	16.46
Constant	6.07	44.73	-6.51	48.38	45.31	47.62	45.69	44.40	69.75	55.10	-135.89	102.50	-98.59	79.61
Average χ^2	39.37		39.68		49.20		48.64		45.68		52.58		57.97	
df	3		4		7		6		9		9		11	
Prob < χ^2	0.00		0.00		0.00		0.00		0.00		0.00		0.00	

^aThe father's age at first birth divided by 10.

*p < .05. **p < .01. ***p < .001.

Table 3b

OLS Regression Analysis for Variables Predicting Frequency of Affectionate Expressions and Talks with Child (N = 1114)

Variable	Model 1		Model 2		Model 3		Model 4		Model 5		Model 6		Model 7	
	B	SE B	B	SE B	B	SE B	B	SE B	B	SE B	B	SE B	B	SE B
Fatherhood timing ^a	0.13 *	0.06	0.18 *	0.08	0.09	0.07	0.11	0.06	0.11	0.06	0.06	0.06	0.04	0.06
Female child	-0.02	0.06	-0.02	0.06	-0.02	0.06	-0.02	0.06	-0.01	0.06	-0.02	0.06	-0.02	0.06
Child's age	-0.08 ***	0.01	-0.07 ***	0.01	-0.08 ***	0.01	-0.08 ***	0.01	-0.08 ***	0.01	-0.08 ***	0.01	-0.08 ***	0.01
Father's age			-0.01	0.01										
Less than HS					-0.08	0.13								
HS diploma					-0.10	0.10								
Some college					-0.07	0.09								
Family income (1000s)					0.00	0.00								
Black							-0.20	0.12					-0.17	0.10
Hispanic							-0.22	0.13					-0.27 *	0.12
Other non-white							-0.34 *	0.16					-0.30 *	0.14
# children									-0.03	0.04				
< 35 hrs/wk									0.45 **	0.16			0.41 **	0.13
> 45 hrs/wk									-0.03	0.07			-0.03	0.07
Mother's share of couple earnings									0.06	0.16				
Mother not working									-0.05	0.13				
Mother < 35 hrs/wk									-0.03	0.08				
Aggravation											-0.13 **	0.05	-0.12 *	0.05
Support for involvement											0.37 **	0.10	0.37 **	0.09
Low educ expectations											-0.02	0.08	-0.02	0.07
High educ expectations											0.25 **	0.08	0.26 **	0.08
Wife's egalitarianism											0.09	0.05		
Wife's support for involvement											0.11	0.08		
Constant	4.04 ***	0.21	4.13 ***	0.22	4.21 ***	0.26	4.18 ***	0.22	4.15 ***	0.26	2.59 ***	0.46	3.27 ***	0.41
Average R ²	0.13		0.13		0.14		0.15		0.15		0.22		0.24	

^aThe father's age at first birth divided by 10.

*p < .05. **p < .01. ***p < .001.

Table 3c

Logistic Regression Analysis for Variables Predicting Involvement in Child's After-school Activities (N = 1114)

Variable	Model 1		Model 2		Model 3		Model 4		Model 5		Model 6		Model 7	
	Odds ratio	SE	Odds ratio	SE	Odds ratio	SE	Odds ratio	SE	Odds ratio	SE	Odds ratio	SE	Odds ratio	SE
Fatherhood timing ^a	1.68 **	0.28	2.08 **	0.44	1.39	0.25	1.53 *	0.27	1.65 **	0.28	1.43 *	0.24	1.31	0.24
Female child	0.80	0.12	0.78	0.12	0.79	0.12	0.78	0.12	0.79	0.12	0.76	0.12	0.72 *	0.12
Child's age	0.98	0.02	1.01	0.03	0.97	0.02	0.97	0.02	0.97	0.02	0.98	0.02	0.97	0.02
Father's age			0.97	0.02										
Less than HS					0.29 **	0.11							0.52	0.21
HS diploma					0.76	0.19							1.01	0.25
Some college					0.77	0.18							0.95	0.23
Family income (1000s)					1.00	0.00								
Black							0.61	0.20					0.67	0.24
Hispanic							0.36 **	0.12					0.50	0.19
Other non-white							0.48	0.20					0.51	0.22
# children									0.89	0.09				
< 35 hrs/wk									0.60	0.24				
> 45 hrs/wk									0.83	0.16				
Mother's share of couple earnings									1.05	0.44				
Mother not working									0.86	0.29				
Mother < 35 hrs/wk									0.98	0.22				
Aggravation											1.01	0.12		
Support for involvement											1.25	0.33		
Low educ expectations											0.54 **	0.12	0.61 *	0.13
High educ expectations											1.27	0.26	1.49 *	0.30
Wife's egalitarianism											1.25	0.16		
Wife's support for involvement											1.47	0.34		
Average χ^2	14.51		16.17		30.38		30.59		19.45		36.73		42.05	
df	3		4		7		6		9		9		11	
Prob < χ^2	0.00		0.00		0.00		0.00		0.02		0.00		0.00	

^aThe father's age at first birth divided by 10.

*p < .05. **p < .01. ***p < .001.

Table 3d

OLS Regression Analysis for Variables Predicting Frequency of Involvement in Father-Child Cognitive Activities (N = 1114)

Variable	Model 1		Model 2		Model 3		Model 4		Model 5		Model 6		Model 7	
	B	SE B	B	SE B	B	SE B	B	SE B	B	SE B	B	SE B	B	SE B
Fatherhood timing ^a	0.14 **	0.05	0.22 **	0.06	0.08	0.06	0.15 **	0.05	0.13 *	0.05	0.11	0.06	0.17 **	0.06
Female child	-0.04	0.05	-0.05	0.05	-0.03	0.05	-0.03	0.05	-0.04	0.05	-0.04	0.05	-0.03	0.05
Child's age	-0.11 ***	0.01	-0.10 ***	0.01	-0.12 ***	0.01	-0.12 ***	0.01	-0.11 ***	0.01	-0.11 ***	0.01	-0.10 ***	0.01
Father's age			-0.01 *	0.00									-0.01 **	0.00
Less than HS					-0.23 *	0.10							-0.21	0.11
HS diploma					-0.18 *	0.08							-0.17 *	0.08
Some college					-0.22 **	0.07							-0.21 **	0.07
Family income (1000s)					0.00	0.00								
Black							0.30 **	0.11					0.36 **	0.10
Hispanic							-0.06	0.09					0.00	0.12
Other non-white							-0.19	0.13					-0.20	0.13
# children									0.00	0.03				
< 35 hrs/wk									0.12	0.12				
> 45 hrs/wk									-0.06	0.06				
Mother's share of couple earnings									0.11	0.14				
Mother not working									0.03	0.10				
Mother < 35 hrs/wk									0.06	0.07				
Aggravation											-0.01	0.04		
Support for involvement											0.20 **	0.07	0.22 **	0.07
Low educ expectations											-0.03	0.06	-0.01	0.06
High educ expectations											0.14 *	0.07	0.13	0.07
Wife's egalitarianism											0.01	0.04		
Wife's support for involvement											0.11	0.06		
Constant	2.96 ***	0.19	3.09 ***	0.20	3.28 ***	0.20	2.95 ***	0.19	2.95 ***	0.21	1.95 ***	0.37	2.66 ***	0.31
Average R ²	0.29		0.29		0.30		0.30		0.29		0.32		0.34	

^aThe father's age at first birth divided by 10.

*p < .05. **p < .01. ***p < .001.

Table 3e

OLS Regression Analysis for Variables Predicting Frequency of Involvement in Father-Child Sports and Outdoor Activities (N = 1114)

Variable	Model 1		Model 2		Model 3		Model 4		Model 5		Model 6		Model 7	
	B	SE B	B	SE B	B	SE B	B	SE B	B	SE B	B	SE B	B	SE B
Fatherhood timing ^a	0.07	0.08	0.22 *	0.09	0.03	0.09	0.07	0.09	0.07	0.09	0.02	0.09	0.18 *	0.09
Female child	-0.26 **	0.08	-0.28 ***	0.08	-0.26 **	0.08	-0.27 **	0.08	-0.27 **	0.08	-0.28 **	0.08	-0.31 ***	0.08
Child's age	-0.10 ***	0.01	-0.07 ***	0.01	-0.10 ***	0.01	-0.10 ***	0.01	-0.10 ***	0.01	-0.09 ***	0.01	-0.07 ***	0.01
Father's age			-0.02 ***	0.01									-0.03 ***	0.01
Less than HS					-0.15	0.16								
HS diploma					0.02	0.13								
Some college					0.02	0.12								
Family income (1000s)					0.00	0.00								
Black							-0.15	0.17					-0.11	0.16
Hispanic							-0.17	0.15					-0.18	0.15
Other non-white							-0.65 ***	0.18					-0.63 **	0.19
# children									0.00	0.05				
< 35 hrs/wk									-0.05	0.21				
> 45 hrs/wk									0.01	0.09				
Mother's share of couple earnings									-0.07	0.22				
Mother not working									-0.17	0.16				
Mother < 35 hrs/wk									0.01	0.10				
Aggravation											0.00	0.06		
Support for involvement											0.13	0.12		
Low educ expectations											-0.20 *	0.10	-0.18 *	0.09
High educ expectations											0.18	0.12	0.25	0.11
Wife's egalitarianism											-0.04	0.07		
Wife's support for involvement											0.04	0.12		
Constant	3.25 ***	0.28	3.52 ***	0.30	3.36 ***	0.33	3.35 ***	0.29	3.33 ***	0.34	2.91 ***	0.57	3.79 ***	0.31
Average R ²	0.11		0.12		0.12		0.13		0.12		0.13		0.16	

^aThe father's age at first birth divided by 10.

*p < .05. **p < .01. ***p < .001.

Table 3f

OLS Regression Analysis for Variables Predicting Frequency of Rule Enforcement (N = 1114)

Variable	Model 1		Model 2		Model 3		Model 4		Model 5		Model 6		Model 7	
	B	SE B	B	SE B	B	SE B	B	SE B	B	SE B	B	SE B	B	SE B
Fatherhood timing ^a	-0.09	0.06	-0.15	0.08	-0.11	0.07	-0.14 *	0.06	-0.14 *	0.06	-0.09	0.06	-0.16 **	0.06
Female child	0.02	0.05	0.02	0.05	0.02	0.05	0.00	0.05	0.00	0.05	0.01	0.05	-0.01	0.05
Child's age	0.10 ***	0.01	0.09 ***	0.01	0.10 ***	0.01	0.10 ***	0.01	0.09 ***	0.01	0.09 ***	0.01	0.09 ***	0.01
Father's age			0.01	0.01										
Less than HS					-0.14	0.11								
HS diploma					0.04	0.09								
Some college					-0.01	0.08								
Family income (1000s)					0.00	0.00								
Black							-0.41 ***	0.09					-0.41 ***	0.08
Hispanic							-0.33 **	0.10					-0.20 *	0.10
Other non-white							-0.24	0.12					-0.25 *	0.12
# children									-0.14 ***	0.03			-0.11 ***	0.03
< 35 hrs/wk									-0.03	0.14			-0.03	0.13
> 45 hrs/wk									0.15 *	0.06			0.12 *	0.06
Mother's share of couple earnings									0.09	0.14				
Mother not working									-0.11	0.10				
Mother < 35 hrs/wk									0.05	0.07				
Aggravation											-0.01	0.04		
Support for involvement											-0.27 **	0.09	-0.27 **	0.08
Low educ expectations											0.05	0.07		
High educ expectations											0.00	0.07		
Wife's egalitarianism											0.10 *	0.05	0.07	0.05
Wife's support for involvement											-0.07	0.07		
Constant	1.70 ***	0.21	1.61 ***	0.22	1.78 ***	0.25	1.94 ***	0.21	2.08 ***	0.26	2.60 ***	0.43	2.98 ***	0.37
Average R ²	0.21		0.21		0.22		0.24		0.25		0.24		0.29	

^aThe father's age at first birth divided by 10.

*p < .05. **p < .01. ***p < .001.

Table 4

Change in Fatherhood Timing Coefficient Compared to Baseline Model (with Significance Tests)

Outcome	Father's	Class	Race	Constraint/	Attitudes	Final
	age			exchange		
	1-2	1-3	1-4	1-5	1-6	1-7
Interaction time with mother absent						
d	7.147	12.029	9.314	5.028	4.857	16.289
S(d) ^a	10.813	5.924	2.671	3.913	4.108	5.066
t	0.661	2.031	3.487	1.285	1.182	3.215
Affection and talks with child						
d	-0.050	0.044	0.023	0.019	0.071	0.093
S(d)	0.057	0.039	0.021	0.019	0.024	0.025
t	-0.877	1.139	1.090	1.007	2.956	3.791
After-school activities						
d	-0.213	0.185	0.093	0.018	0.158	0.247
S(d)	0.135	0.062	0.039	0.031	0.038	0.076
t	-1.582	2.969	2.387	0.581	4.170	3.262
Cognitive activities						
d	-0.072	0.061	-0.012	0.008	0.038	-0.024
S(d)	0.031	0.025	0.018	0.017	0.021	0.045
t	-2.339	2.451	-0.659	0.498	1.810	-0.543
Sports and outdoor activities						
d	-0.154	b	b	b	b	-0.113
S(d)	0.034					0.045
t	-4.517					-2.508
Monitoring						
d	b	b	0.044	0.038	b	0.060
S(d)			0.021	0.019		0.025
t			2.098	1.976		2.440

^aFor formula, see Clogg, Petkova, & Haritou (1995)

^bNot calculated because the coefficient is not significant in either the baseline or the larger model.