

ONLINE SUPPLEMENT to article in

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Family Instability and Child Well-Being

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We provide four supplemental tables to summarize results from analyses not presented in our published article.

Table S1 shows complete results from the full models presented in Tables 3 and 4 of the published article, including all control variables, indicators of mother's behaviors and attitudes measured prior to the birth of the child in the CNLSY sample, and flags.

We repeated the analyses that appear in Tables 3 and 4 of the published article for Mexican-origin children. Selected results are presented in Table S2.

We restricted the analyses presented in Table 3 to include only children between ages 8 and 14 in 2000. Children in this age range have mothers whose age at birth is similar, on average, to mothers' mean age at birth nationally for children of the same age. To that extent, children 8 to 14 are the most nationally representative subsample from the CNLSY. Selected results from that restricted analysis appear in Table S3.

Finally, we estimated separate coefficients for the number of transitions in which an adult partner entered the household and the number of transitions in which an adult partner left the household. Selected results from those models are presented in Table S4.

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Table S1. Complete Results from Full Regression Models^a Predicting Child Behavior and Cognitive Development^b

	White Children					Black Children				
	External. Behavior	Cognitive Ability			Self-Rep. Behavior	External. Behavior	Cognitive Ability			Self-Rep. Behavior
		Math	Reading Rec.	Reading Comp.			Math	Reading Rec.	Reading Comp.	
<u>Socialization</u>										
At Least 75 Percent of 1st 4 Years in Mother-Only Household	3.054 [1.842]	-.912 [1.569]	-4.415 [1.884]*	-2.999 [1.637]	.180 [.153]	3.782 [1.821]*	-1.039 [1.265]	-.499 [1.444]	-.224 [1.332]	.098 [.125]
<u>Current Household Structure</u> (omitted category = married biological parents)										
Mother-Only Household	1.85 [2.108]	.089 [1.742]	-1.184 [2.035]	-2.688 [1.775]	.218 [.213]	5.671 [1.996]**	-.725 [1.568]	-2.734 [1.725]	-2.649 [1.629]	.225 [.187]
Mother and Stepfather in Household	-2.629 [2.355]	-.187 [1.920]	-3.75 [2.338]	-5.635 [1.987]**	-.309 [.205]	1.621 [2.395]	.011 [2.322]	-2.358 [2.735]	-3.371 [2.103]	-.031 [.241]
<u>Instability in Family Structure</u>										
Number of Transitions Child Experienced	1.99 [.726]**	-.209 [.426]	-.259 [.560]	.251 [.482]	.116 [.046]*	.290 [.714]	.842 [.529]	1.45 [.724]*	.383 [.510]	.024 [.045]
<u>Control Variables</u>										
Male (vs. female)	2.144 [.695]**	.840 [.697]	-1.857 [.780]*	-1.234 [.725]	.607 [.095]**	3.642 [1.315]**	-2.233 [1.155]	-5.12 [1.282]**	-2.759 [1.130]*	.571 [.114]**
Age in Years	.511 [.221]*				.142 [.038]**	.836 [.392]*				.088 [.053]
No. of Other Adults in Household Besides Mother	.659 [1.201]	.577 [1.052]	-.593 [1.003]	-.111 [.940]	.085 [.108]	.425 [1.057]	-1.305 [.838]	-.620 [.882]	-1.276 [.816]	-.111 [.107]
Child Experienced Transition Within Last 2 Years	-.244 [1.839]	-3.244 [1.453]*	-1.923 [1.874]	.437 [1.603]	.069 [.169]	.592 [2.214]	.117 [1.938]	-.992 [2.414]	1.423 [2.198]	-.155 [.159]
<u>Mother's Characteristics</u>										
Mother's 1st Birth at <= Age 19	-3.097 [1.635]	-1.759 [1.338]	-.477 [1.664]	-1.453 [1.385]	.191 [.151]	.507 [1.898]	1.201 [1.494]	.076 [1.584]	-.738 [1.461]	.068 [.145]
Mother's Age at Child's Birth	.053 [.194]	-.101 [.135]	.209 [.142]	.540 [.140]**	.014 [.025]	-.002 [.326]	.541 [.183]**	.878 [.210]**	1.275 [.168]**	-.012 [.027]
Mother Sexually Active Before Age 16	-4.77 [1.095]**	.890 [1.077]	1.201 [1.160]	1.635 [1.097]	-.163 [.133]	-4.665 [2.101]*	-1.583 [1.548]	-1.20 [1.693]	-.325 [1.404]	-.192 [.171]
AFQT Score	.596 [5.074]	2.319 [3.612]	1.427 [4.753]	.436 [3.855]	.179 [.377]	-1.827 [5.621]	3.477 [5.524]	.110 [6.309]	2.348 [5.444]	.441 [.546]
AFQT Score is Imputed (flag)	-.205 [.811]	-.409 [.826]	.822 [.937]	.754 [.829]	.093 [.101]	1.895 [1.682]	1.01 [1.379]	-1.396 [1.539]	-.822 [1.308]	.116 [.135]
Mother's Years of Education at Age 21	-.667 [2.477]	1.702 [2.227]	4.088 [2.409]	5.673 [2.194]**	.162 [.321]	3.512 [6.384]	1.0406 [7.517]	7.245 [7.175]	11.153 [5.407]*	.344 [.546]
Mother's Transitions Growing Up	4.351 [3.174]	4.245 [2.780]	3.541 [2.547]	3.371 [1.894]	.288 [.405]	12.708 [7.093]	10.55 [2.835]**	6.553 [6.566]	3.299 [6.936]	.332 [.717]
Mother's Transitions Growing Up is Imputed (flag)	2.424 [1.578]	.165 [1.369]	-2.456 [1.797]	-2.66 [1.657]	.128 [.254]	.028 [3.148]	-.958 [1.645]	1.473 [1.686]	.617 [1.591]	.139 [.206]

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Table S1. (continued)

	White Children					Black Children				
	External. Behavior	Cognitive Ability			Self-Rep. Behavior	External. Behavior	Cognitive Ability			Self-Rep. Behavior
		Math	Reading Rec.	Reading Comp.			Math	Reading Rec.	Reading Comp.	
Mother's Mar/Cohab Transitions Before Child's Birth	1.251 [3.198]	-4.686 [3.124]	-3.569 [3.610]	-2.546 [3.586]	.129 [.341]	1.786 [4.794]	-4.296 [4.467]	-4.831 [4.992]	-3.587 [4.203]	.036 [.280]
Illegal Activities	.889 [.393]*	.262 [.349]	.094 [.382]	.114 [.340]	-.016 [.046]	.996 [.756]	.400 [.513]	-.083 [.534]	.941 [.543]	.039 [.070]
Illegal Activities is Imputed (flag)	.451 [.523]	-.036 [.478]	.488 [.627]	.518 [.540]	.016 [.057]	.895 [1.025]	-.274 [.797]	-.156 [.781]	.469 [.786]	-.008 [.075]
Underage Alcohol Consumption	-5.638 [1.693]**	2.84 [3.462]	-1.416 [3.118]	-2.143 [2.648]	-1.041 [.477]*	-7.053 [3.053]*	1.979 [2.649]	6.408 [3.013]*	1.872 [2.130]	-.773 [.343]*
Hard Drug Use	-.650 [.328]*	.759 [.319]*	1.156 [.355]**	.919 [.324]**	-.025 [.041]	.473 [.642]	1.077 [.401]**	.756 [.547]	.096 [.497]	-.026 [.039]
Hard Drug Use is Imputed (flag)	.024 [.022]	.143 [.020]**	.104 [.022]**	.095 [.021]**	0 [.002]	-.068 [.046]	.193 [.041]**	.241 [.053]**	.224 [.043]**	.002 [.004]
Positive Self-Esteem	1.626 [3.633]	-.187 [3.202]	5.226 [2.974]	4.048 [2.878]	.076 [.302]	.651 [4.475]	2.603 [7.766]	-8.08 [4.629]	-13.8 [4.854]**	-1.129 [.420]**
Positive Self-Esteem Imputed (flag)	2.551 [1.482]	-2.634 [1.399]	-.779 [1.731]	-1.28 [1.485]	.169 [.166]	.766 [2.215]	-2.245 [1.639]	-1.454 [1.710]	-1.809 [1.696]	-.102 [.157]
Constant	111.324 [8.455]**	88.613 [5.554]**	80.486 [6.949]**	68.798 [6.223]**	-.894 [1.084]	94.18 [15.770]**	71.093 [8.238]**	69.899 [9.672]**	59.262 [8.404]**	.911 [1.346]
N	1,363	1,337	1,336	1,175	657	575	590	594	530	332
R-squared	.12	.16	.16	.18		.14	.21	.22	.28	

Note: Robust standard errors in brackets. Source: NLSY79/CNLSY 2000.

^a Models predicting externalizing behavior and cognitive ability use ordinary least squares regression; models predicting self-reported behavior use negative binomial regression.

^b Children are ages 5 to 14 in analyses of externalizing behavior and cognitive ability, and ages 10 to 14 in analyses of self-reported behavior.

* significant at 5 percent; ** significant at 1 percent (two-tailed tests).

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Table S2. Selected Results from Regressions^a Predicting Child Behavior and Cognitive Development Without and with Controls for Mother’s Characteristics Prior to the Birth of the Child, Mexican-Origin Children Only^b

	Without Mother’s Characteristics					With Mother’s Characteristics				
	External. Behavior	Cognitive Ability			Self-Rep. Behavior	External. Behavior	Cognitive Ability			Self-Rep. Behavior
		Math	Reading Rec.	Reading Comp.			Math	Reading Rec.	Reading Comp.	
<u>Socialization</u>	–2.349	–4.827	–.238	–1.115	.221	–3.616	–1.102	.217	–.792	.184
At Least 75 percent of 1st 4 Years in Mother-Only Household	[2.270]	[3.668]	[4.022]	[2.713]	[.298]	[2.466]	[2.680]	[2.346]	[2.206]	[.246]
<u>Current Household Structure</u> (omitted category = married biological parents)										
Mother-Only Household	5.778	–1.091	–6.587	–2.582	.454	2.644	.283	–3.086	1.03	–.034
	[2.602]*	[3.723]	[4.433]	[3.717]	[.274]	[3.037]	[3.042]	[3.034]	[3.055]	[.278]
Mother and Stepfather in Household	2.812	–1.646	–6.204	1.175	.182	.525	–1.007	–2.431	3.388	–.457
	[3.372]	[5.244]	[5.686]	[4.006]	[.370]	[3.941]	[4.331]	[4.554]	[3.906]	[.429]
<u>Instability in Family Structure</u> Number of Transitions Child Experienced										
	–.278	–.192	1.161	–1.218	.009	.059	–.762	.465	–1.67	.125
	[1.057]	[1.052]	[1.457]	[1.038]	[.078]	[1.126]	[1.030]	[1.168]	[1.092]	[.083]
Constant	83.177	98.796	109.005	104.799	–1.96	119.28	82.565	76.27	69.054	–2.275
	[3.631]**	[2.624]**	[2.873]**	[2.718]**	[.820]*	[18.493]**	[13.199]**	[12.254]**	[1.0829]**	[1.969]
N	226	250	250	229	131	226	250	250	229	131
R-squared	.17	.05	.04	.06		.28	.24	.38	.33	

Note: Robust standard errors in brackets. Source: NLSY79/CNLSY 2000.

^a Models predicting externalizing behavior and cognitive ability use ordinary least squares regression; models predicting self-reported behavior use negative binomial regression.

^b Children are ages 5 to 14 in analyses of externalizing behavior and cognitive ability, and ages 10 to 14 in analyses of self-reported behavior.

* significant at 5 percent; ** significant at 1 percent (two-tailed tests).

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Table S3. Selected Results from Full OLS Regression Models^a Predicting Child Behavior and Cognitive Development with Controls for Mother’s Characteristics Prior to the Birth of the Child, Ages 8–14^b

	White Children				Black Children			
	External. Behavior	Cognitive Ability			External. Behavior	Cognitive Ability		
		Math	Reading Rec.	Reading Comp.		Math	Reading Rec.	Reading Comp.
<u>Socialization</u>								
At Least 75 Percent of 1st 4 Years in Mother-Only Household	4.249 [2.160]*	-.65 [1.854]	-4.542 [2.251]*	-3.075 [1.922]	3.711 [2.153]	.575 [1.418]	.402 [1.846]	-.227 [1.436]
<u>Current Household Structure</u> (omitted category = married biological parents)								
Mother-Only Household	2.695 [2.344]	-.048 [1.906]	-.155 [2.275]	-2.031 [1.886]	5.779 [2.318]*	-2.937 [1.802]	-3.08 [2.095]	-3.481 [1.841]
Mother and Stepfather in Household	-2.125 [2.474]	-.241 [1.999]	-3.371 [2.560]	-5.578 [2.123]**	2.071 [2.924]	-1.893 [2.489]	-3.13 [2.934]	-4.123 [2.249]
<u>Instability in Family Structure</u>								
Number of Transitions Child Experienced	1.797 [.755]*	-.275 [.438]	-.374 [.580]	.311 [.509]	.011 [.750]	1.014 [.573]	1.336 [.773]	.49 [.584]
Constant	106.965 [9.583]**	80.731 [6.539]**	82.061 [8.249]**	69.449 [6.838]**	111.916 [17.665]**	60.417 [10.077]**	66.339 [11.348]**	63.982 [9.116]**
N	996	972	971	963	457	460	463	458
R-squared	.13	.17	.17	.18	.12	.24	.23	.25

Note: Robust standard errors in brackets. Source: NLSY79/CNLSY 2000.

^a Models predicting externalizing behavior and cognitive ability use ordinary least squares regression; models predicting self-reported behavior use negative binomial regression.

^b Children are ages 8 to 14 in analyses of externalizing behavior and cognitive ability, and ages 10 to 14 in analyses of self-reported behavior.

* significant at 5 percent; ** significant at 1 percent (two-tailed tests).

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Table S4. Selected Results from Full Regression Models^a Predicting Child Behavior and Cognitive Development, Counting Entries and Exits Separately^b

	White Children					Black Children				
	External. Behavior	Cognitive Ability		Self-Rep. Behavior	External. Behavior	External. Behavior	Cognitive Ability		Self-Rep. Behavior	
		Math	Reading Rec.	Reading Comp.			Math	Reading Rec.	Reading Comp.	
<u>Socialization</u>										
At Least 75 Percent of 1st 4 Years in Mother-Only Household	2.621 [1.983]	-.757 [1.651]	-5.486 [2.023]**	-3.43 [1.817]	.152 [.155]	3.34 [1.924]	-1.267 [1.347]	.219 [1.530]	-.028 [1.415]	.051 [.123]
<u>Current Household Structure</u> (omitted category = married biological parents)										
Mother-Only Household	2.637 [2.671]	-.207 [1.918]	.859 [2.274]	-1.848 [2.024]	.276 [.235]	6.423 [2.243]**	-.343 [1.667]	-3.924 [2.023]	-2.956 [1.776]	.306 [.186]
Mother and Stepfather in Household	-2.394 [2.467]	-.292 [1.925]	-3.022 [2.338]	-5.341 [2.065]**	-.293 [.209]	1.666 [2.388]	.054 [2.330]	-2.492 [2.708]	-3.394 [2.102]	-.019 [.242]
<u>Instability in Family Structure</u>										
Number of Entries Child Experienced	2.693 [1.302]*	-.466 [1.014]	1.519 [1.246]	.96 [1.097]	.16 [.120]	1.246 [1.430]	1.313 [1.132]	-.024 [1.231]	.003 [1.109]	.121 [.100]
Number of Exits Child Experienced	1.294 [1.434]	.049 [1.003]	-2.046 [1.239]	-.454 [1.148]	.073 [.119]	-.477 [1.411]	.445 [1.010]	2.69 [1.267]*	.699 [.938]	-.058 [.090]
Constant	111.402 [8.460]**	88.583 [5.557]**	80.695 [6.909]**	68.828 [6.215]**	-.895 [1.083]	94.096 [15.704]**	70.813 [8.266]**	70.754 [9.663]**	59.534 [8.446]**	.906 [1.343]
N	1,363	1,337	1,336	1,175	657	575	590	594	530	332
R-squared	.12	.16	.16	.18		.14	.21	.23	.28	

Note: Robust standard errors in brackets.

^a Models predicting externalizing behavior and cognitive ability use ordinary least squares regression; models predicting self-reported behavior use negative binomial regression.

^b Children are ages 5 to 14 in analyses of externalizing behavior and cognitive ability, and ages 10 to 14 in analyses of self-reported behavior.

* significant at 5 percent; ** significant at 1 percent (two-tailed tests).