Supplemental Appendix to "Sibling Gender and Wage Differences"

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Abstract

The supplemental appendix contains additional regressions and tabulations referenced in the main text. Table A1 includes only children in the sample for estimating the relationship between wages and sibship sex composition. Descriptive statistics for the data on job finding, home quality, and family roles are provided in Tables A2, A3, and A4. Table A5 reports the most common occupations in various wage brackets, and Table A6 relates sibling gender to occupational group. The sex composition of the jobs held by men and women is summarized in Table A7, and the association of this variable with sibling gender is examined in Table A8.

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			Z	1en					Won	nen		
		Worked in	ı Past Year aı	nd Hourly V	Vage at Least			Worked in Pa	ast Year and	I Hourly W	age at Least	
	\$0	\$5	\$10	\$15	\$20	\$25	\$0	\$5	\$10	\$15	\$20	\$25
						Presence	of Sibling					
Has At Least One Sibling	0290 (.0170)	0346 (.0242)	0244 (.0480)	0471 (.0461)	.0116 (.0314)	.0199 (.0182)	0552 (.0354)	0739* (.0426)	0013 (.0460)	.0243 (.0314)	.0064 (.0200)	.0041 (.0124)
						Number	of Siblings					
Has At Least	0200	0296	.0038	0262	.0363	.0417*	0283	0295	.0189	.0414	.0278	.0203
One Stolling Number of	(8610.) - 0012	(0020.) 0004	(.0409) - 0104**	(oncn.) *9800 -	(+000.) - 0082**	(CZZU) -	(0106*** - 0106***	(.0412) - 0176***	- 0080*	(cocn.) - 0054	(.0242) - 0073***	(cc10.) - 0051***
Additional Siblings	(.0022)	.0028)	(.0048)	(.0045)	(.0039)	.0027)	(.0035)	(.0040)	.0044)	(.0034)	.0024)	
						Presence	of Brother					
Has At Least One Sibling	0166 (.0162)	0190 (.0239)	0326 (.0519)	0598 (.0522)	.0037 (.0374)	.0186 (.0225)	0419 (.0385)	0568 (.0454)	.0362 (.0516)	.0561 (.0381)	.0193 (.0249)	.0075 (.0159)
Has At Least	0106	0149	.0104	.0117	.0099 (1610)	.0039	0146	0180	0437*	0339*	0137	0031
Olle Dionier	(0710.)	(6010.)	(6070.)	(0770.)	(+010-)	(6010.)	(7170.)	(0470.)	(nczn)	(0610.)	(+710.)	(0/101)
						Number (of Brothers					
Has At Least One Sibling	0124 (.0157)	0143 (.0233)	0062 (.0526)	0426 (.0538)	.0267 (.0389)	.0343 (.0292)	0271 (.0378)	0334 (.0446)	.0469 (.0524)	.0629 (.0400)	.0287 (.0271)	.0147 (.0202)
Number of	0041	0051	0218***	0138**	0198***	0103**	0131***	0209***	0089	0035	0054*	0035
Additional Siblings	(.0031)	(.0039)	(.0070)	(9900.)	(.0054)	(.0041)	(.0051)	(.0059)	(.0062)	(.0047)	(.0032)	(.0023)
Has At Least One Brother	0108 (.0114)	0207 (.0153)	.0216 (.0270)	.0254 (.0250)	.0193 (.0183)	.0142 (.0137)	0003 (.0218)	.0075 (.0247)	0368 (.0264)	0286 (.0215)	0020 (.0138)	.0075 (.0095)
Number of	.0079	.0154**	.0220**	.0078	.0204***	.0056	.0057	.0067	.0059	0013	0041	0048
Additional Brothers	(.0057)	(.0071)	(.0109)	(.0100)	(.0076)	(.0055)	(.0085)	(9600')	(7000.)	(.0071)	(.0049)	(.0031)
Observations		I	2,	650					3,0	24		
Note: Average marginal ef- a specified earnings thresh	fects from p	robit regress	tions are reported	ted and can but	e interpreted a only sibling is	ls follows. The	e marginal eff	ect of having a	a sibling is the	e difference s the change	in the probab	lity of reaching
outcome if a person with a	sibling we	re to have or	ne more sister.	The margin	al effect of ha	ving a brothe	r is the chang	e in the probal	bility if a pe	rson whose	only siblings	the one or more
sisters were to have one fe	wer sister a	nd just one l	prother. The m	narginal effec	t of additional	l brothers is the	he change if a	m individual w	vith both a b	rother and a	sister were to	have one more
brother and one fewer siste	er. The mai	n estimation	sample is exp	anded to inc	lude only child	dren. All spe	cifications con	ntrol for race,	region of rea	sidence, urb	an location, di	ummy variables
for age, and indicator varia	whee tor par	rental age ar	d education.	Huber-White	standard error	rs, clustered a	t the family le	evel, are report	ted in parent	heses. Singl	le, double, anc	triple asterisks
respectively denote statistic	cal significa	unce at the 1() percent, 5 pe	rcent, and 1 1	percent levels.							

Table A1: Influence of Siblings and Their Gender on Wages

Table A2: Summary Statistics on	Job Search throu	igh Siblings
	Men	Women
Mean (S.D.) Age	20.47 (2.22)	20.66 (2.20)
Pct. Siblings Male	50.65	51.79
Pct. Helped to Get Job by		
Relative	24.17	18.64
Sibling	4.12	4.62
Brother	2.90	1.09
Sister	1.22	3.53
Pct. Also Having Same Employer as		
Relative	17.25	12.54
Sibling	3.17	3.53
Brother	2.26	0.87
Sister	0.91	2.66
Individuals/Families	2,209/1,892	2,296/1,995

Table A2: Summary	Statistics	on Job	Search	through	Siblings
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Note: The questionnaire on job search methods from the 1982 round of the NLSY79 is used. The dataset comprises individuals with valid sibling data who worked during the past year. Only children are excluded as are members of the military sample.

	Boys	Girls			
—	Part A: Inf	ant/Toddler			
Mean (S.D.) Age	1.62 (0.93)	1.62 (0.94)			
Mean (S.D.) Year	1991.57 (4.80)	1991.78 (4.98)			
Pct. Siblings Male	48.94	51.37			
Mean (S.D.) Total Raw Score	138.23 (24.95)	139.85 (25.28)			
Observations/Individuals/Families	2,768/2,261/1,732	2,657/2,138/1,638			
	Part B: Earl	y Childhood			
Mean (S.D.) Age	4.53 (0.94)	4.52 (0.94)			
Mean (S.D.) Year	1992.77 (5.29)	1992.82 (5.32)			
Pct. Siblings Male	50.01	53.60			
Mean (S.D.) Total Raw Score	201.14 (37.99)	205.45 (36.52)			
Observations/Individuals/Families	3,890/3,016/2,124	3,820/2,940/2,108			
	Part C: Midd	lle Childhood			
Mean (S.D.) Age	8.03 (1.30)	8.05 (1.30)			
Mean (S.D.) Year	1994.79 (6.15)	1994.86 (6.18)			
Pct. Siblings Male	48.50	53.41			
Mean (S.D.) Total Raw Score	196.89 (38.90)	199.64 (38.43)			
Observations/Individuals/Families	5,934/3,718/2,405	5,791/3,579/2,359			
	Part D: Early Adolescence				
Mean (S.D.) Age	12.20 (1.35)	12.19 (1.36)			
Mean (S.D.) Year	1998.28 (6.09)	1998.32 (6.16)			
Pct. Siblings Male	48.71	52.92			
Mean (S.D.) Total Raw Score	200.17 (36.54)	203.92 (36.06)			
Observations/Individuals/Families	6,062/3,404/2,214	6,063/3,370/2,213			

Table A3: Summary Statistics on Home Environment

Note: The HOME inventory from the NLSY79-CH is used. Parts A, B, C, and D are generally administered to children aged 0-2, 3-5, 6-9, and 10-14 years, respectively. The dataset excludes only children, individuals without sibling data, and the progeny of military sample members.

	Young Men	Young Women
Mean (S.D.) Age	21.08 (5.01)	21.16 (5.06)
Mean (S.D.) Year	2004.84 (6.06)	2004.87 (6.00)
Pct. Siblings Male	49.55	53.42
Pct. Agreeing That		
Place of Women Is in Home	13.12	8.73
Wife with Family Has No Time for Other Employment	15.81	9.50
Working Wife Feels More Useful	61.70	49.96
Employment of Wives Leads to Juvenile Delinquency	14.50	11.37
Inflation Necessitates Employment of Both Parents	76.48	77.51
Traditional Husband and Wife Roles Are Best	29.08	20.81
Men Should Share Housework	93.03	96.40
Women Are Happier in Traditional Roles	30.59	22.93
Observations/Individuals/Families	4,877/3,129/2,071	5,190/3,182/2,111

Table A4: Summary Statistics on Family Attitudes

Note: The module on family attitudes from the NLSY79-YA is used. The dataset excludes only children, individuals without sibling data, and the progeny of military sample members.

	Men	Women					
	Three Most Comn	non Occupations					
Wage<\$5	Janitors and Cleaners Groundskeepers and Gardeners Transportation Laborers	Child Care Workers Cashiers Cooks					
\$5≤Wage<\$10	Construction Laborers Janitors and Cleaners Transportation Laborers	Nursing Aids Secretaries Cashiers					
\$10≤Wage<\$15	Heavy Truck Drivers Carpenters Construction Laborers	Secretaries Elementary School Teachers General Office Clerks					
\$15≤Wage<\$20	Computer Programmers Heavy Truck Drivers Construction Laborers	Registered Nurses Secretaries Postal Clerks					
\$20≤Wage<\$25	Computer Systems Analysts Computer Programmers Accountants and Auditors	Registered Nurses Computer Systems Analysts Accountants and Auditors					
Wage≥\$25	Lawyers Financial Services Sales Physicians	Lawyers Financial Managers Registered Nurses					
	Most Common Oce	cupational Group					
Wage<\$5	Blue-Collar Worker	Service Worker					
\$5≤Wage<\$10	Blue-Collar Worker	Lower White-Collar					
\$10 <i>≤</i> Wage <i><</i> \$15	Blue-Collar Worker	Lower White-Collar					
\$15 <i>≤</i> Wage <i><</i> \$20	Blue-Collar Worker	Upper White-Collar					
\$20≤Wage<\$25	Upper White-Collar	Upper White-Collar					
Wage≥\$25	Upper White-Collar	Upper White-Collar					
Observations	3,634	3,356					

Table A5: Wage Intervals and Occupational Groups

Note: The dataset comprises individuals in the 1993 round of the NLSY79 who worked in the past year. Members of the military sample are dropped. The top panel lists the three most frequent 3-digit occupations in each wage interval according to 1990 Census codes. Jobs that do not belong to a well-defined occupation are excluded. The bottom panel identifies the most prevalent occupational group in each wage range. Jobs are classified into occupational groups based on 1990 Census codes. Managers and professionals (codes 3–199) are regarded as upper white-collar workers, and lower white-collar employees perform technical, sales, and clerical functions (codes 203–389). The service sector comprises household workers, protective forces, food preparation, health aides, maintenance jobs, and personal care (codes 403–469). Operatives and laborers as well as craft and resource workers (codes 473–889) are included in the blue-collar category.

		Z	len			Woi	men	
	Upper	<u>Lower</u>	<u>Service</u>	<u>Blue-Collar</u>	Upper	<u>Lower</u>	<u>Service</u>	<u>Blue-Collar</u>
	White-Collar	White-Collar	Worker	<u>Worker</u>	White-Collar	White-Collar	Worker	<u>Worker</u>
Fraction of	0.0338	0.0115 (0.0237)	-0.0110	-0.0231	0.0144	-0.0286	0.0250	-0.0132
Siblings Male	(0.0244)		(0.0193)	(0.0302)	(0.0237)	(0.0279)	(0.0222)	(0.0176)
Observations		2,	485			2,8	357	

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is codes. The service sector comprises household workers, protective forces, food preparation, health aides, maintenance jobs, and personal care (codes 403–469). Operatives and laborers as well Managers and professionals (codes 3–199) are regarded as upper white-collar workers, and lower white-collar employees perform technical, sales, and clerical functions (codes 203–389). as craft and resource workers (codes 473-889) are included in the blue-collar category. All specifications control for race, region of residence, urban location, dummy variables for age, fixed effects for birth order and sibship size, and indicator variables for parental age and education. Huber-White standard errors, clustered at the family level, are reported in parentheses. Single, double, and triple asterisks respectively denote statistical significance at the 10 percent, 5 percent, and 1 percent levels. Note: Ave

	Men	Women
	Mean Percent Fer	nale in Occupation
All	31.30	70.59
Had Help Getting Job from		
Relative	27.39	67.41
Sibling	34.60	69.10
Brother	31.09	62.95
Sister	42.93	71.00
Also Had Same Employer as		
Relative	27.83	64.38
Sibling	36.16	66.39
Brother	32.53	61.18
Sister	45.21	68.10
Observations	2,209	2,296

Table A7	Sex	Com	position	of (Эссин	pation	and I	Iob	Search	through	i Siblings
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Note: The questionnaire on job search methods from the 1982 round of the NLSY79 is used. The dataset comprises individuals with valid sibling data who worked during the past year. Only children are excluded as are members of the military sample. The number of women as a percentage of all workers in the 3-digit occupation of a respondent is calculated based on data from the 1980 Census. The resulting variable is averaged over all men or women that obtain a job through a given relative.

	M	en	Wo	men
		Proportion Fem	ale in Occupation	
	Linear Regression	Fractional Logit	Linear Regression	Fractional Logit
Fraction of Siblings Male	0.0256 (0.0172)	0.0252 (0.0168)	-0.0146 (0.0167)	-0.0143 (0.0165)
Observations	2,2	209 ——	2,2	296——

Table A8: Influence of Sibling Gender on Sex Composition of Occupation

Note: The dataset comprises individuals from the 1982 wave of the NLSY79 who worked during the past year and have valid sibling data. Only children are excluded as are members of the military sample. Information from the 1980 Census is used to compute the dependent variable, which is the share of workers in the 3-digit occupation of a respondent who are women. Linear regression coefficients are estimated by ordinary least squares. Because the response variable cannot take values outside the unit interval, fractional logit models are fit by the method of quasi-maximum likelihood, and average marginal effects are reported. All specifications control for race, region of residence, urban location, dummy variables for age, fixed effects for birth order and sibship size, and indicator variables for parental age and education. Huber-White standard errors, clustered at the family level, are reported in parentheses. Single, double, and triple asterisks respectively denote statistical significance at the 10 percent, 5 percent, and 1 percent levels.