

Appendix G

PARENT EMPLOYMENT AND EDUCATION OUTCOMES

The following tables display the descriptive statistics of parent employment and education outcome variables. ANOVA and chi-square tests were completed to identify differences among communities on the variables when applicable. Significant zero-order correlations and multi-level regression analyses reporting the relationships between indicators of child care quality and parent employment are also presented.

Table G1. Male head employment outcomes (N = 116).

	<i>M(SD)</i>	<i>N(%)</i>	<i>F(p)</i>	<i>χ² (p)</i>
Employment				2.06
<i>Yes</i>		103(88.8)		(.56)
<i>No</i>		11(9.5)		
<i>Not reported</i>		2(1.7)		
Hrs/wk working or in school/training (n = 92)	37.99 (12.74)		1.16 (.331)	
Work hours (n = 102)				10.22
<i>Full-time (>35 hrs/wk)</i>		88 (86.27)		(.02)
<i>Part-time (<30 hrs/wk) or Temporary</i>		14 (13.73)		
Work shift (n = 100)				5.38
<i>Daytime</i>		72 (72.00)		(.15)
<i>Evening/night/shift change</i>		28 (28.00)		
Months working for current employer (n = 95)	53.41 (67.12)		3.29 (.024)	
Work being interrupted due to illness or child care problems (n = 103)				2.65
<i>Yes</i>		49 (47.57)		(.45)
<i>No</i>		54 (52.43)		
Raise/Promotion (n = 103)				3.67
<i>Yes</i>		28 (27.18)		(.30)
<i>No</i>		75 (72.82)		

Table G2. Female head employment outcomes (n=302).

	<i>M(SD)</i>	<i>N(%)</i>	<i>F(p)</i>	$\chi^2 (p)$
Employment				4.63
<i>Yes</i>		256(83.4)		(.20)
<i>No</i>		47(15.3)		
<i>Not reported</i>		4(1.3)		
Hrs/wk working or in school/training	32.62(12.59)		.42 (.74)	
Work hours (n = 253)				1.78
<i>Full-time (>35 hrs/wk)</i>		182(71.94)		(.62)
<i>Part-time (<30 hrs/wk) or Temporary</i>		71(28.06)		
Work shift (n = 248)				3.82
<i>Daytime</i>		196(79.03)		(.28)
<i>Evening/night/shift change</i>		52(20.97)		
Months working for current employer	38.03(46.78)		2.06 (.11)	
Work being interrupted due to illness or child care problems (n = 256)				1.53 (.68)
<i>Yes</i>		175(68.36)		
<i>No</i>		81(31.64)		
Raise/Promotion (n = 256)				6.77
<i>Yes</i>		60(23.44)		(.08)
<i>No</i>		196(76.56)		

Table G3. Male head employment outcomes of families using home and center care.

	<i>Home (n=47)</i>		<i>Center (n=69)</i>	
	<i>M(SD)</i>	<i>N(%)</i>	<i>M(SD)</i>	<i>N(%)</i>
Employment				
<i>Yes</i>		42(89.4)		61(88.4)
<i>No</i>		5(10.6)		6(8.7)
<i>Not reported</i>				2(2.9)
Hrs/wk working or in school/training	35.53(14.67)		39.65(11.09)	
Work hours				
<i>Full-time (>35 hrs/wk)</i>		35(85.4)		53(86.9)
<i>Part-time (<30 hrs/wk) or Temporary</i>		6(14.6)		8(13.1)
Work shift				
<i>Daytime</i>		26(66.7)		46(75.4)
<i>Evening/night/shift change</i>		13(33.3)		15(24.6)
Months working for current employer	58.04(74.49)		50.46(62.47)	
Work being interrupted due to illness or child care problems				
<i>Yes</i>		15(35.7)		34(55.7)
<i>No</i>		27(64.3)		27(44.3)
Raise/Promotion				
<i>Yes</i>		11(26.2)		17(27.9)
<i>No</i>		31(73.8)		44(72.1)

Table G 4. Female head employment outcomes of families using home and center care

	<i>Home</i> (<i>n=114</i>)		<i>Center</i> (<i>n=193</i>)	
	<i>M(SD)</i>	<i>N(%)</i>	<i>M(SD)</i>	<i>N(%)</i>
Employment				
<i>Yes</i>		94(82.46)		162(83.9)
<i>No</i>		18(15.79)		29(15.0)
<i>Not reported</i>		2(1.75)		2(1.0)
Hrs/wk working or in school/training	33.08(13.76)		32.37(11.92)	
Work hours				
<i>Full-time (>35 hrs/wk)</i>		72(63.2)		110(68.3)
<i>Part-time (<30 hrs/wk) or Temporary</i>		20(17.5)		51(31.7)
Work shift				
<i>Daytime</i>		71(78.9)		125(79.1)
<i>Evening/night/shift change</i>		19(21.1)		33(20.9)
Months working for current employer	36.78(42.3)		35.59(49.28)	
Work being interrupted due to illness or child care problems				
<i>Yes</i>		59(62.8)		116(71.6)
<i>No</i>		35(37.2)		46(28.4)
Raise/Promotion				
<i>Yes</i>		19(20.2)		41(25.3)
<i>No</i>		75(79.8)		121(74.7)

Table G5. Male head employment outcomes for families with infants/toddlers and preschool-age children.

	<i>Infants/Toddlers</i> (<i>n=50</i>)		<i>Preschool Age Children</i> (<i>n=60</i>)	
	<i>M(SD)</i>	<i>N(%)</i>	<i>M(SD)</i>	<i>N(%)</i>
Employment				
<i>Yes</i>		44(88)		59(86.4)
<i>No</i>		6(12)		5(7.5)
<i>Not reported</i>				
Hrs/wk working or in school/training	39.22(13.03)		37(12.53)	
Work hours				
<i>Full-time (>35 hrs/wk)</i>		37(84.1)		51(87.9)
<i>Part-time (<30 hrs/wk) or Temporary</i>		7(15.9)		7(12)
Work shift				
<i>Daytime</i>		11(76.7)		
<i>Evening/night/shift change</i>		33(23.3)		
Months working for current employer	38.41(48.21)		64.79(77)	
Work being interrupted due to illness or child care problems				
<i>Yes</i>		18(40.9)		31(52.5)
<i>No</i>		26(59.1)		28(47.5)
Raise/Promotion				
<i>Yes</i>		12(27.3)		16(27.1)
<i>No</i>		32(72.7)		43(72.9)

Table G6. Female head employment outcomes for families with infants/toddlers and preschool-age children

	<i>Infants/Toddlers (n=121)</i>		<i>Preschool Age Children (n=186)</i>	
	<i>M(SD)</i>	<i>N(%)</i>	<i>M(SD)</i>	<i>N(%)</i>
Employment				
Yes		102(84.3)		154(82.8)
No		19(15.7)		28(15.1)
Not reported				4(2.2)
Hrs/wk working or in school/training	31.51(13.59)		33.39(11.83)	
Work hours				
Full-time (>35 hrs/wk)		76(62.8)		106(69.7)
Part-time (<30 hrs/wk) or Temporary		25(20.6)		46(24.7)
Work shift				
Daytime		75(75)		121(81.8)
Evening/night/shift change		25(25)		27(18.2)
Months working for current employer	36.13(47.03)		35.96(46.77)	
Work being interrupted due to illness or child care problems				
Yes		70(68.6)		105(68.2)
No		32(31.4)		49(31.8)
Raise/Promotion				
Yes		27(26.5)		33(21.4)
No		75(73.5)		121(78.6)

Table G7. Male head employment outcomes by marital status.

	<i>Single/Divorced (n=27)</i>		<i>Married/Living with partner (n=89)</i>	
	<i>M(SD)</i>	<i>N(%)</i>	<i>M(SD)</i>	<i>N(%)</i>
Employment				
Yes		22(81.5)		81(91.0)
No		4(14.8)		7(7.9)
Not reported		1(3.7)		1(1.1)
Hrs/wk working or in school/training	36.05(15.39)		38.53(11.96)	
Work hours				
Full-time (>35 hrs/wk)		20(90.9)		68(85)
Part-time (<30 hrs/wk) or Temporary		2(9.1)		12(15)
Work shift				
Daytime		15(68.2)		57(73.1)
Evening/night/shift change		7(31.8)		21(26.9)
Months working for current employer	78.02(103.2)		47.26(53.84)	
Work being interrupted due to illness or child care problems				
Yes		12(54.5)		37(45.7)
No		10(45.5)		44(54.3)
Raise/Promotion				
Yes		6(27.3)		22(27.2)
No		16(72.7)		59(72.8)

Table G 8. Female parent outcomes by marital status.

	<i>Single/Divorced</i> (<i>n=208</i>)		<i>Married/Living with partner</i> (<i>n=96</i>)	
	<i>M(SD)</i>	<i>N(%)</i>	<i>M(SD)</i>	<i>N(%)</i>
Employment				
<i>Yes</i>		172(82.7)		83(86.5)
<i>No</i>		35(16.8)		12(12.5)
<i>Not reported</i>		1(.5)		1(1.0)
Hrs/wk working or in school/training	32.06(12.5)		33.79(12.83)	
Work hours				
<i>Full-time (>35 hrs/wk)</i>		121(71.2)		60(73.2)
<i>Part-time (<30 hrs/wk) or Temporary</i>		49(28.8)		22(26.8)
Work shift				
<i>Daytime</i>		131(78)		64(81)
<i>Evening/night/shift change</i>		37(22)		15(19)
Months working for current employer	36.13(47.03)		45.6(57.9)	
Work being interrupted due to illness or child care problems				
<i>Yes</i>		113(65.7)		62(74.7)
<i>No</i>		59(34.3)		21(25.3)
Raise/Promotion				
<i>Yes</i>		37(21.5)		23(27.7)
<i>No</i>		135(78.5)		30(72.3)

Table G 9. Female parent outcomes of families with no male present and male present in the household.

	<i>No male present</i> (<i>n=183</i>)		<i>Male present</i> (<i>n=116</i>)	
	<i>M(SD)</i>	<i>N(%)</i>	<i>M(SD)</i>	<i>N(%)</i>
Employment				
<i>Yes</i>		153(83.6)		97(83.6)
<i>No</i>		30(16.4)		17(14.7)
<i>Not reported</i>				2(1.7)
Hrs/wk working or in school/training	32.24(12.52)		33.42(12.55)	
Work hours				
<i>Full-time (>35 hrs/wk)</i>		106(70.2)		71(74.0)
<i>Part-time (<30 hrs/wk) or Temporary</i>		45(29.8)		25(26.0)
Work shift				
<i>Daytime</i>		116(77.9)		76(81.7)
<i>Evening/night/shift change</i>		33(22.1)		17(18.3)
Months working for current employer	28.89(38.18)		46.77(56.7)	
Work being interrupted due to illness or child care problems				
<i>Yes</i>		97(63.4)		73(75.3)
<i>No</i>		56(36.6)		24(24.7)
Raise/Promotion				
<i>Yes</i>		33(21.6)		27(27.8)
<i>No</i>		120(78.4)		70(72.2)

Table G 10. Zero order correlations among child care quality indicators and parent education and employment outcomes

Quality Variable	Parent Employment and Education Outcomes													
	Female Heads (N=307)							Male Heads (N=114)						
	Employed?	Hrs work/school	Full Time?	Months with Employer	Shift worked	Recent Raise?	Work interrupted?	Employed?	Hrs work/school	Full Time?	Months with Employer	Shift worked	Recent Raise?	Work interrupted?
Global Quality (ECERS/FDCRS)														
Child-Adult Ratio								.25*						.26**
Caregiver General Education							.13*							
Caregiver Specialized Education						.14*								
Caregiver Interaction Scale														
Parent Caregiver Relationship Scale-Parent Report														
Parent Caregiver Relationship Scale-Caregiver Report												.24*		
Student-Teacher Relationship Scale														
Caregiver Responsiveness														
Caregiver High Level Talk														
Child Cognitive Activity				.14*								.28**		

Table G11

Descriptive statistics of parent employment by community

Variables	Marion	Lake	Allen	St. Joseph
Percent of female heads of household employed	78.7%	89.3%	81.6%	88.3%
Percent of male heads of household employed	88.5%	93.9%	93.3%	84.0%
Number of hours female works or in school/training	33.66(12.00)	32.57(13.20)	31.29(14.65)	32.88(10.48)
Number of hours male works or in school/training	38.91(11.43)	35.37(16.02)	41.5(10.63)	36.21(11.02)
Percent of female heads who work full-time	66.1%	76.1%	74.2%	70.8%
Percent of male heads who work full-time	91.3%	96.8%	85.2%	66.7%
Number of months female has been employed with current employer	34.41(43.95)	48.00(60.04)	31.02(36.18)	29.88(40.80)
Number of months male has been employed with current employer	57.5(77.35)	82.07(85.10)	40.28(42.55)	26.43(31.36)
Female head work shift				
Daytime shift	84.5%	76.9%	71.7%	83.1%
Evening/night/shift change	15.5%	23.1%	28.3%	16.9%
Male head work shift				
Daytime shift	73.9%	56.7%	81.5%	80.0%
Evening/night/shift change	26.1%	43.3%	18.5%	20.0%
Female has had recent raise/promotion	25.4%	23.9%	32.2%	13.2%
Male has had recent raise/promotion	39.1%	19.4%	32.1%	19%
Female's work has been interrupted by child illness or child care problem	72.9%	70.1%	62.9%	38.1%
Male's work has been interrupted by child illness or child care problem	60.9%	48.4%	42.9%	38.1%

Table G 12

Summary of Binary Logistic Regression Analyses for Variables Predicting Parent Employment Controlling for child's age and type of child care.

Variable	Male work interrupted			
	β	R^2	ΔR^2	Chi-square
Step 1		.06		4.49
Child's age in months	.00			
Center vs. home	.90*			
Step 2		.14	.08*	10.45
Child-Adult ratio (CA)	.20*			
Step 3		.16+	.02	12.23
Dummy 1 (M)	.83			
Dummy 2 (A)	.17			
Dummy (L)	.31			
Step 4		.16	.00	12.72
CA X M	.20			
CA X A	.07			
CA X L	.12			
Male shift worked				
	B	R^2	ΔR^2	Chi-square
Step 1		.05		3.14
Child's age in months	-.02			
Center vs. home	.70			
Step 2		.06	.01	4.17
Parent-caregiver relationship (PCP) parent report	-.43			
Step 3		.11	.05	7.72
Dummy 1 (M)	-.41			
Dummy 2 (A)	.06			
Dummy (L)	-.97			
Step 4		.13	.02	8.99
PCP X M	-.57			
PCP X A	-.98			
PCP X L	-1.55			
Male shift worked				
	B	R^2	ΔR^2	Chi-square
Step 1		.05		3.45
Child's age in months	-.03			

Center vs. home	.70			
Step 2		.12*	.07*	8.55
Child Cognitive activity (CCA)	-1.14*			
Step 3		.19*	.07	13.86
Dummy 1 (M)	-.52			
Dummy 2 (A)	.42			
Dummy (L)	-1.00			
Step 4		.25*	.06	19.10
CCA X M	2.90			
CCA X A	4.88			
CCA X L	5.24			
Female work interrupted				
	B	R ²	ΔR^2	Chi-square
Step 1		.01		2.56
Child's age in months	-.01			
Center vs. home	.46			
Step 2		.04	.03*	7.22
Caregiver general education (CE)	-.36			
Step 3		.05	.01	9.29
Dummy 1 (M)	.11			
Dummy 2 (A)	-.33			
Dummy (L)	.21			
Step 4		.06	.01	10.21
CE X M	-.09			
CE X A	.22			
CE X L	-.22			
Female Recent Raise				
	B	R ²	ΔR^2	Chi-square
Step 1		.01		1.36
Child's age in months	-.01			
Center vs. home	.36			
Step 2		.04	.03*	7.00
Caregiver specialized education (CSE)	.75*			
Step 3		.07*	.03	12.71
Dummy 1 (M)	.61			
Dummy 2 (A)	1.06*			
Dummy (L)	.614			
Step 4		.08	.01	13.45
CSE X M	-.31			
CSE X A	.16			
CSE X L	.40			