

Appendix E

QUALITY OF CHILD CARE

The following tables display descriptive statistics for selected child care variables. ANOVA and chi-square tests were completed to identify differences among communities on the variables when applicable.

Table E1.
Means (Standard Deviations) of Child Care Quality Variables ($N = 307$)

Child Care Quality Variables		M (SD)	N (%)	Range	F(p)	$\chi^2(p)$
Global Quality	Global Quality Score (ECERS-R & FDCRS)(1 ~ 7)	3.81 (1.44)		1.09- 6.48	1.15 (.33)	
	ECERS-R Score (1 ~ 7)	4.39 (1.28)		1.15- 6.48	.85 (.47)	
	FDCRS Score (1 ~ 7)	2.78 (1.10)		1.09- 5.32	.98 (.41)	
Structural Quality	Group Size	10.28 (5.54)		1-27	.97 (.41)	
	Child-Adult Ratio	5.64 (3.02)		1-16	1.98 (.12)	
	Caregiver General Education Level (1~6)	2.96 (.99)		1-6		17.50 (.29)
	Caregiver Specialized Education in Child Development		126 (44)			13.30* (.00)
	Number of Years in Experience (caregiver)	10.36 (8.69)		0-43	4.24* (.01)	
Process Quality	Caregiver-Child Relationship (STRS total: 1 ~ 5)	3.98 (.41)		2.63- 4.83	.56 (.64)	
	Conflict/Anger Subscale	1.87 (.63)		1-4.25	.27 (.85)	
	Closeness Subscale	4.07 (.51)		2.45-5	1.68 (.17)	
	Dependency Subscale	2.31 (.79)		1-4.75	1.14 (.33)	
	Parent-Caregiver Relationship (PCRS: 1 ~ 5)– parent report	4.10 (.54)		1.89-5	3.85* (.01)	
	Trust/Confidence Subscale (1 ~ 5)	4.36 (.55)		2.23-5	3.58* (.01)	
	Collaboration Subscale (1 ~ 5)	4.10 (.58)		1.64-5	3.14* (.03)	
	Affiliation Subscale (1 ~ 5)	3.65 (.58)		1.75-5	4.30* (.01)	
	Parent-Caregiver Relationship (PCRS: 1 ~ 5)– caregiver report	4.03 (.55)		2.46-5	.16 (.92)	
	Trust/Confidence Subscale (1 ~ 5)	4.03 (.62)		2.07-5	.15 (.93)	
	Collaboration Subscale (1 ~ 5)	3.23 (.37)		2.27- 4.13	.48 (.70)	
	Caring Subscale (1 ~ 5)	3.44 (.39)		2-5	.94 (.42)	



Child Care Quality Variables	M (SD)	N (%)	Range	F(p)	χ²(p)
Caregiver Sensitivity (CIS: 1 ~ 4) ³	3.30 (.56)		1.05-4	2.53 (.06)	
Positive Relationship Subscale (1 ~ 4)	2.87 (.76)		1-4	3.53* (.02)	
Punitiveness Subscale (1 ~ 4)	1.23 (.47)		1-3.88	1.55 (.20)	
Detachment Subscale (1 ~ 4)	1.56 (.67)		1-4	1.16 (.33)	
Adult Responsive Interactions (0 ~ 1)	0.31 (.27)		0-1	5.40* (.00)	
Caregiver Talk					
Mean Percentage Praise/ acknowledgement (0 ~ 100%)	3.2% (3.5)		0-21	1.36 (.26)	
Mean Percentage Social (0 ~ 100%)	.5% (1.8)		0-16	1.96 (.12)	
Mean Percentage Question (0 ~ 100%)	6.9% (6.8)		0-56	1.07 (.36)	
Mean Percentage Expansion (0 ~ 100%)	.4% (1.3)		0-12	1.72 (.16)	
Mean Percentage Describes (0 ~ 100%)	14.6% (12.6)		0-57	1.76 (.16)	
Mean Percentage Prompt/suggestion (0 ~ 100%)	2.4% (3.8)		0-23	.756 (.52)	
Mean Percentage Directive (0 ~ 100%)	5.8% (6.8)		0-44	6.39* (.00)	
Children's Cognitive Activity Level (0 ~ 3)	1.04 (.45)		.02-2.84	2.49 (.06)	

Table E2.
Descriptive statistics of child care quality indicators by county

Variables	Marion	Lake	Allen	St. Joseph
Global Quality				
ECERS-R score (1-7)	4.31(1.37)	4.64(1.46)	4.47(1.20)	4.28(1.13)
Percent of infants/toddlers in center based care	65.5%	23.3%	46.7%	46.9%
Percent of preschoolers in center based care	80.1%	63.8%	78.3%	73.9%
FDCRS score (1-7)	2.68(1.17)	2.59(.81)	3.03(1.19)	2.88(1.25)
Percent of infants/toddlers in home based care	34.5%	76.7%	53.3%	53.1%
Percent of preschoolers in home based care	19.1%	36.2%	21.7%	26.1%
Structural Quality				
Child-adult ratio	5.42:1	6.31:1	5.68:1	5.13:1
Process Quality				
Parent report of Parent-caregiver relationship (1-5)	3.99(.50)	4.26(.49)	4.10(.48)	4.04(.54)
Caregiver report of parent-caregiver relationship (1-5)	4.03(.58)	4.05(.53)	3.99(.60)	4.04(.51)
Caregiver report of child-caregiver relationship (1-5)	3.97(.41)	4.02(.40)	3.94(.40)	3.98(.43)
Caregiver interaction (1-4)	3.30(.52)	3.17(.64)	3.42(.56)	3.31(.49)
Percent of caregiver intense interactions with child	38.50 (29.28)	21.44(24.42)	33.09(30.33)	29.95(22.92)
Percent of caregiver high level talk	27.19 (16.95)	23.99(17.54)	25.19(18.56)	20.86(13.98)
Level of child cognitive activity	.97(.35)	1.07(.53)	1.14(.50)	.98(.39)