

*

** . ***

1.

가 가 가 가 가 , 가 .

1980 가 가 가 가 ,

1995 3.3 , 2000 3.1 가 가 ,

가 가 82.0% 가 57.8% (, 1992; Bigner, 1986).

(, 2001). 가 가 가 , ,

가 가 ,

가 (, 1995).

가 (social network)

가 가 , 가 가

가 . (, 1995; , 1997).

*
**

03. 2.14

03. 2.17

03. 3.15

가 , , , , ,
가
(, 1995; , 1999).
가

가
(, 1999; Schilling & Schinke, 1983).
(social network)
(, 1995; Lubben, 1988)

& Riley, 2001),
(Tarkka, Paunonen & Laippala, 1999)

(Walker

Antonucci(1985)

(critical development period)

(Robert, Dunkel & Haug, 1994; Shereshefsky,
Libenberg & Lockman, 1974)

2.

5

1)

가

2)

(, 1989; ,
, 1998; , 1998; Brown, 1986).

, 가

가

(, 1999; Crnic, Greenberg,
Ragozin, Robinson & Basham, 1983; Walker &
Riley, 2001).

1.

Antonucci(1985)

(, 1992; , 1998; Crnic , 1983).

1)

가 (Antonucci & Akiyama, 1987; Bowling & Browne, 1991).

(, 1995; , 1992; Steffensmeier, 1982).

가 (, , , , ,) 가 (, , , , ,)

2. 가

가 가

1)

(가 1), (가 2),
(가 3), (가 4),
(가 5)

(1997)

2)

(가 6), (가 7),
(가 8), (가 9),
(가 10)

1-2

1, 2

31

가 0.88,

86%

3)

(가 11),
(가 12), (가 13),
(가 14), (가 15)

(1)

4)

(가 16),
(가 17), (가 18),
(가 19), (가 20)

3

5)

(가 21).

0.88,

86%

가

1.

0.84

가

(situation relating theory)

0.63

2.

(2)

가 , (.
 0.73), ((2) , ,
 , 0.89), (, ,
 , 0.82), ((2001)
 , 0.84), (, . 4-7 (21, 15), 8-12 (29,
 0.90), (, 24) ,
 0.63) . (1) (4) 4

(3) Hobbs(1965) Steffensmeier
 (1982) (1995)
 . 28 ,
 , 0.92), ((1) (4) 4
 , 0.80), (가 가
 , 0.70), (가 .
 , 0.84), (1995) 0.86-0.89
 (가 , 0.87 .
 5
 2 10 . 3.

가 가 (S , Y
 , J , A , C ,) 4
 12 (first-time baby) 가
 2) 가
 , (Bausell, 1985). 2001 1 29
 4-12 가 2 28 257
 , 247

(1) 4 .
 WHO
 (Helsing, 1985). 가
 , (Structural Equation modeling) LISREL
 , 8.20(window-version) .
 , 6
 , 7 6

가 . 가

1. 가 2 72.9%, 3 27.1%

가 100-150 36.8%,

200 27.9%, 150-200 25.9%,

100 9.3% . 가

26-30 가 가 65.2%

64.8% 가 , 가 52.6%, 2 가 46.9% 가 2-5 가 33.1%,

27.1%, 20.2% , 5 20.0%

가 44.1%, 36.0%, 19.8%

19.8%, 15.8%, 7.3%

66.0%

1-2 39.8%, 2-3 30.9% . 2.

가 50.2%

가 4-7 1)

59.9%, 8-12 40.1%

2.5Kg 가 4.5%, 2.5Kg

가 95.5%

63.6%, 36.4%

31-35

가 46.6% 가

49.8%, 35.6%, 14.6%

(Skewness),

(Kurtosis) <Table 1>

($\chi^2 = 1584.30$,

p=0.00).

가

(Generally Weighted Least Square : WLS)

<Table 1> Descriptive statistics for selected variables in this study

variables		Mean(SD)	Skewness	Kurtosis	χ^2 (p-value)
Social network structural characteristics	Size(x1)	7.88(3.21)	0.51	0.69	10.05(0.01)
	Density(x2)	0.62(0.25)	0.05	-0.75	14.05(0.00)
	Homogeneity(x3)	0.61(0.27)	-0.26	-0.65	11.51(0.00)
	Duration(x4)	3.59(0.69)	-0.58	0.72	10.95(0.00)
Social network interactional characteristics	Proximity(x5)	3.65(0.70)	-0.20	-0.33	3.57(0.17)
	Frequency(x6)	3.78(0.72)	-0.63	0.51	9.86(0.01)
	Closeness(x7)	2.49(0.34)	-0.08	-0.65	8.81(0.01)
	Adequacy(x8)	2.29(0.37)	0.10	-0.05	3.97(0.14)
Emotional	Direction(x9)	3.24(0.42)	-0.70	2.19	24.26(0.00)
	Emotional(y1)	3.75(0.63)	-0.26	0.07	3.42(0.18)
Service	Service(y2)	2.82(0.83)	0.41	-0.24	5.60(0.06)
Material	Material(y3)	3.10(0.86)	0.35	-0.42	6.75(0.03)
Information	Information(y4)	3.21(0.80)	0.12	-0.45	3.97(0.14)
Social companionship	Social companionship(y5)	1.97(0.68)	1.56	4.18	43.53(0.00)
Maternal role strain	Maternal role strain(y6)	2.64(0.43)	-0.00	-0.37	1.54(0.46)
	Breast-feeding(y7)	0.48(0.28)	0.64	-0.97	43.44(0.00)
Maternal role	Weaning(y8)	2.77(0.52)	-1.02	2.13	26.16(0.00)
	Accident prevention(y9)	3.32(0.42)	-0.59	0.22	7.69(0.02)

2) 가 가

가

<Table 2>

가 χ^2 , χ^2/df , RMR, CN 가

가 1.48 (1 가

2) 가

(RMR) 0.05 가 가

0.078 가

0.049 , (CN) 200 가

222.53 가 (2) 가

-4.58 4.07 SMC

-2.89 3.49 가

3) (standardized solution)

(1) 가 가 <Table 3>

t 1.96 가

0.05 <Table 4>

(modification index)가 5 <Figure 1>

<Table 2> Goodness of fit statistics

	χ^2 (p)	χ^2/df	GFI	AGFI	RMR	NFI	NNFI	CN
Hypothetical model	303.06(.00)	2.66	0.95	0.92	0.078	0.96	0.97	124.41
Modified model	167.55(.00)	1.48	0.97	0.95	0.049	0.98	0.99	222.53

<Table 3> Lisrel estimates and standard solution in modified model

Endogenous Variable	Predictive Variable	L.E.1)(S.E.2))	C.S.S.3)	t-value	SMC
Emotional	Structural(γ 11)	0.08(0.01)	0.30	5.40*	0.58
	Interactional(γ 12)	1.96(0.26)	0.87	7.44*	
Service	Interactional(γ 22)	1.97(0.28)	0.62	6.97*	0.39
Material	Interactional(γ 32)	1.86(0.29)	0.58	6.38*	0.34
Information	Structural(γ 41)	0.09(0.02)	0.27	5.37*	0.35
	Interactional(γ 42)	1.94(0.30)	0.63	6.48*	
Social companionship	Interactional(γ 52)	1.09(0.19)	0.38	5.83*	0.15
	Service(β 62)	-0.09(0.03)	-0.16	-2.46*	0.05
Maternal role strain	Material(β 63)	-0.01(0.04)	-0.02	-0.23	
	Social companionship(β 65)	-0.06(0.02)	-0.09	-2.33*	
	Emotional(β 71)	0.03(0.01)	0.53	2.17*	0.30
Maternal role	Information(β 74)	-0.01(0.00)	-0.21	-1.86	
	Social companionship(β 75)	0.01(0.00)	0.22	2.11*	
	Maternal role strain(β 76)	0.01(0.01)	0.11	1.54	

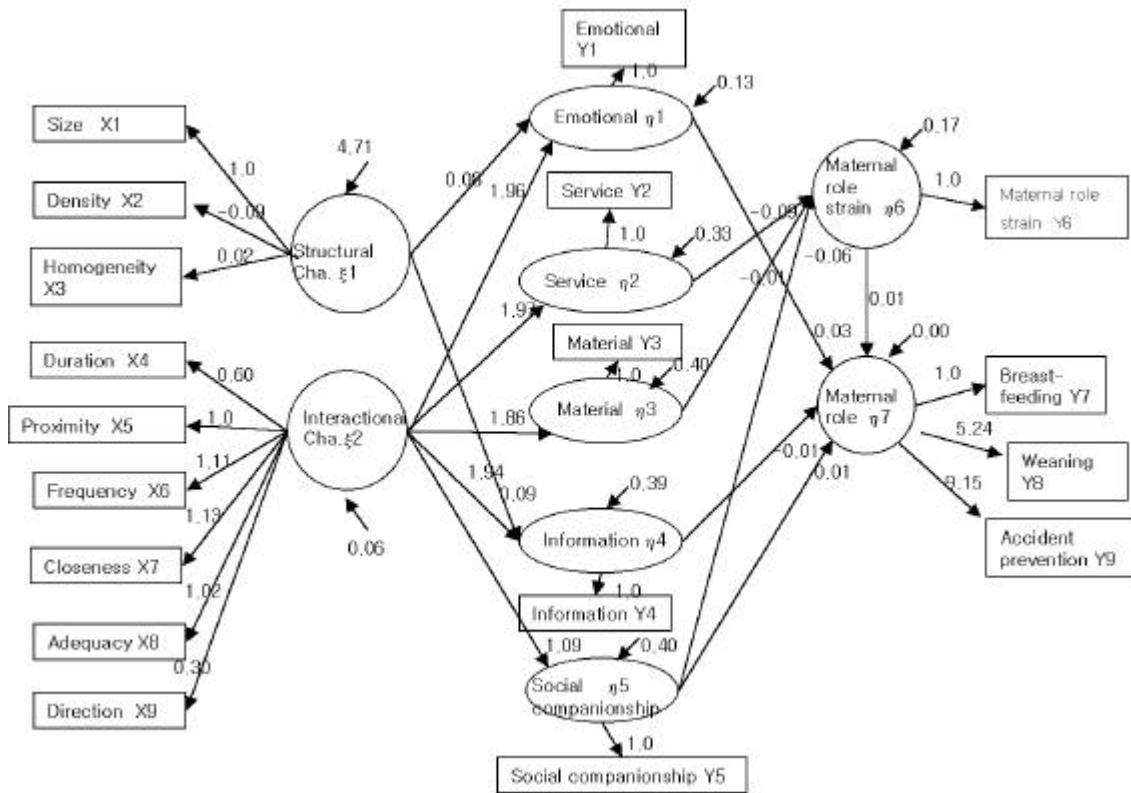
1) Lisrel estimates, 2) Standard Error, 3) Completely standard solution, * p<0.05

<Table 4> Effect Coefficient in modified model

Endogenous Variable	Predictive Variable	Direct effect	Indirect effect (t-value)	Total effect (t-value)
Emotional	Structural(γ11)	0.08	-	0.08(5.40*)
	Interactional(γ12)	1.96	-	1.96(7.44*)
Service	Interactional(γ22)	1.97	-	1.97(6.97*)
Material	Interactional(γ32)	1.86	-	1.86(6.38*)
Information	Structural(γ41)	0.09	-	0.09(5.37*)
	Interactional(γ42)	1.94	-	1.94(6.48*)
Social companionship	Interactional(γ52)	1.09	-	1.09(5.83*)
	Service(β62)	-0.09	-	-0.09(-2.46*)
Maternal role strain	Material(β63)	-0.01	-	-0.01(-0.23)
	Social companionship(β65)	-0.06	-	-0.06(-2.33*)
	Emotional(β71)	0.03	-	0.03(2.17*)
	Service(β72)	-	0.00(-1.37)	0.00(-1.37)
Maternal role	Material(β73)	-	0.00(-0.22)	0.00(-0.22)
	Information(β74)	-0.01	-	-0.01(-1.86)
	Social companionship(β75)	0.01	0.00(-1.21)	0.01(2.09*)
	Maternal role strain(β76)	0.01	-	0.01(0.54)

*p<0.05

11=0.08, t=5.40),
(γ12=1.96, t=7.44)



<Figure 1> Path diagram of modified model

(가 1, 가 6). 28% , 가 가
58% . 가 x², x²/df,
(χ² RMR, CN 가 (x
22 = 1.97, t = 6.97) 2/df) 1.48 (1-2)
39% (가 7).
(χ²32 = 1.86, t = 6.38)
34% (가 8)
). (χ² , , ,
41 = 0.09, t = 5.37), , , 58%, 35%
(χ²42 = 1.94, t = 6.48)
(가 4, 가 9). , , ,
35% (χ² , 39%, 34%, 15%
52 = 1.09, t = 5.83) , , ,
15% (가 10). , , , , ,
(β62 . , , , , ,
= -0.09, t = -2.46), (β
65 = -0.06, t = -2.33) ,
(β
63 = -0.01, t = -0.23) ,
5% (가 12, 가 15).
(β71 = 0.03, 가 가
t = 2.17), (β75 = 0.01, 3%, 5%
t = 2.11) (1998) , ,
(β74 = -0.01, t = -1.86), (β 가 가
75 = 0.01, t = 1.54) , ,
30% (가 16, 가 20). (1998)
(, 가
))
가
Antonucci(1985) . 30-40 60%
, , , ,
가

가

, 가 28%, 30%

Brown(1986), Shereshefsky et al.(1974),
Tarkka et al. (1999)

5

가

가 28% , 가

(Cochran & ², ²/df, RMR, CN

Brassard, 1979)

가

가

30%

Walker & Riley(2001)

가

가 가

가

가 (, 1999).

()

가

가

가

(1)

가

가 28%, 30%

가

(2)

가

4-12

가

가

가

가

가

가

(: 가 ,
가)

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.
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- Abstract -

A Development of the Social Network Model for the Maternal Role of First-time Mother

Jang, In Sun*· Chung, Yeon Kang**

Purpose: The purpose of this study was to evaluate the factors which are related to the maternal role performance of first-time mother to improve the health of infant. Specifically a basic hypothetical model was developed based on the previous study about a model of social networks.

Method: The survey was done from January to February in 2001. Total 257 mothers who have four to twelve month old first-time baby was interviewed in five community health center around country(Seoul, Choung-ju, Asan, Cheon-an, Jeju). Finally 247 data was analyzed. Data analysis was done with LISREL 8.20 program for covariance structural analysis.

Results: Compared to the hypothetical model, the revised model has become parsimonious and had a better fit to the data($\chi^2 = 167.55(p = .00)$, $\chi^2/df = 1.48$, GFI=0.97, AGFI=0.95, RMR=0.049, NFI=0.98, NNFI=0.99, CN=222.53). All predictive variables of the maternal role of first-time mother explained 30% of total variance in model. Social network structural characteristics and social network interactional characteristics had significant effect on the emotional support and the information support. And social network interactional characteristics had significant effect on the service support, material support and social companionship support. The service support and social companionship support had significant effect on the maternal role strain. The emotional support and the social companionship support had significant effect on the maternal role of first-time mother.

Conclusion: As the conclusion of this study, there is in need of the developing the programmes focussed on the social network for the first-time mother.

Key words : Social Network, First-time Mother, Maternal Role, Model

* Part time lecture, Department of Nursing, Sunlin College

** Professor, Department of Nursing, Chung-Ang University