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Exploring the Development of Adolescent Mother-Infant Attachment Relationships: The Contribution of Ecological Factors

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INTRODUCTION

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Sciences and Humanities Research Council of Canada.

Adolescent mothers and their infants have been identified as high-risk for various challenges, including the development of non-secure attachment relationships (Broussard, 1995).

Various risk-factors associated with adolescent motherhood may contribute to these challenges, including:

Lack of education and low household income (Coley & Chase-Lansdale, 1998; Jaffee et al., 2001; Tarabusly et al., 2005).

Low social support and high rates of singleparenthood (Jaffee et al., 2001).

Chaotic and stressful environments with repeated mother-infant separations, multiple caregivers and domestic violence (Davis & Cummings, 1994; De Wolff & van IJzendoorn, 1997).

It has been proposed that these adverse ecological factors associated with adolescent motherhood may negatively impact the quality of a mother's interaction with her infant, subsequently increasing the likelihood of non-secure motherinfant attachment (Tarabulsy et al., 2005).

Empirical evidence suggests that adolescent mothers engage in less sensitive interactions with their infants than adult mothers (Bailey et al., 1999; Bailey et al., 2007), and low maternal sensitivity has previously been associated with the development of non-secure attachment relationships (DeWolff & van IJzendoorn, 1997).

> However, more research is necessary to identify specific risk-factors associated with adolescent motherhood that negatively impact her ability to engage in high-quality interactions with her infant.

PURPOSE OF THE CURRENT STUDY

The current study set out to identify specific factors associated with adolescent motherhood that may reduce sensitivity and subsequently contribute to the development of non-secure mother-infant attachment relationships.

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METHOD

PARTICIPANTS

	Ν	Age at Birth (Mom)	Marital Status	Mothers Education (Years)	Annual Household Income
Adolescent	60	18.16	49%	11.21	\$10,000 -
Mothers		(1.19)	Single	(1.18)	\$19,000
Adult	48	30.06	8.3%	14.54	\$30,000 -
Mothers		(4.54)	Single	(2.18)	\$39,000

MEASURES

Maternal Behaviour Q-Sort (MBQS; Pederson &

Moran, 1995). The MBQS consists of 90 items that represent various aspects of maternal interactive behaviour. Q-Sort methodology is used to arrange the cards into nine piles of ten cards each, ranging from pile 1 (*Least like the mother*) to 9 (Most like the mother). Global sensitivity was calculated as the correlation between the scores of the observers Q-sort with those of a theoretically constructed sort of a prototypically sensitive mother.

Parenting Stress Index. (PSI; Abidin, 1983). This self-

report measure assesses stress related to parenting, relationship with spouse, family and friends, feelings of competence, social isolation and general health. It is composed of 101 Likert scale items ranging from 1 (Strongly Agree) to 5 (Strongly Disagree) and generates an overall stress score, with higher scores indicating higher stress.

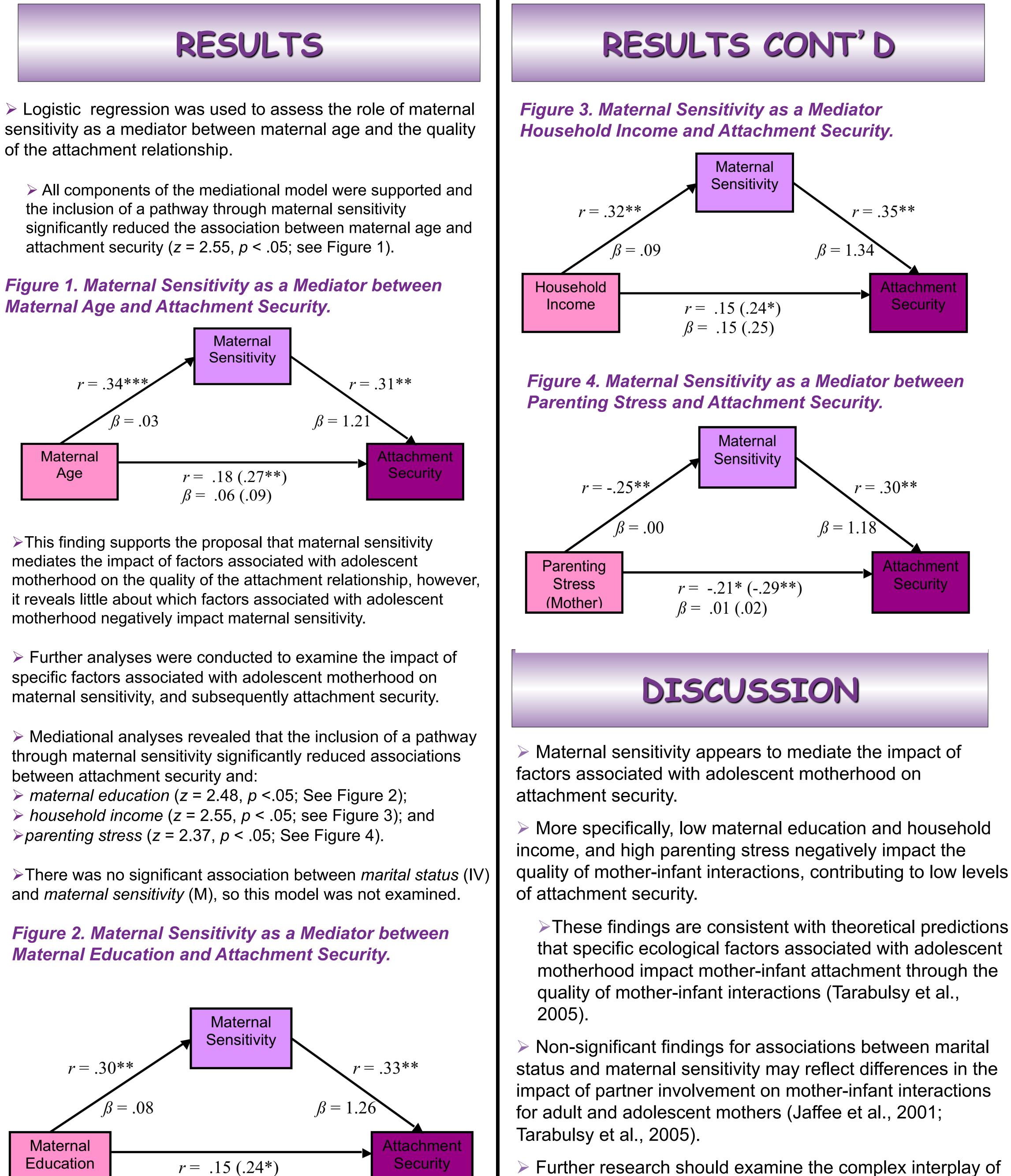
Strange Situation Procedure (SSP; Ainsworth et al., 1978; Main & Solomon, 1990). Attachment relationships were measured using the standardized Strange Situation Procedure (Ainsworth et al., 1978). A continuous measure of attachment security was derived using the methods outlined by Richter, Waters and Vaughn (1988).

PROCEDURE

Home Visit: Two hour home observations were conducted by trained visitors to assess maternal sensitivity during motherinfant interactions when the infant was 12 months old. Following this, visitors completed a sort of the 90-item MBQS.

Laboratory Visit: Attachment was assessed using the Strange Situation Procedure, following procedures outlined by Ainsworth et al. (1978).





^{*}*p* < .05, ***p* < .01, ****p* < .001

 $\beta = .14 (.21)$



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these ecological variables to understand both the shared and unique impact they have on maternal sensitivity.