

Social Referencing and Parental Depression in Children Aged 9-Months and 5-Years



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Introduction

How does parental depression impact children's social referencing across the early childhood period?

Parental depression may have detrimental effects on children's socioemotional development.

- Parents with depression are less responsive to their children, such as gazing less at their children's faces. (Gelfand & Tetl, 1990)
- Children coming from a home with a depressed parent exhibit more shy and withdrawn personalities. (BIIIIngs & MOOS, 1983).

Children with a depressed parent experience disruptions in attachment relationships that may impact their social referencing.

- Attachment, being based in a child's inclination to look toward their parent for support and comfort, may play a great role in a child's social referencing techniques and practice (Res. 1970).
- Children of depressed mothers are more likely to have an insecure attachment relationship. (Rosenbloom, Danon, & Mazzet, 1998)
- 17% of children of with depressed mothers are securely attached compared to 68% of children with non-depressed mothers.
- Social referencing is a measure of social communication based on the information
 gathering and regulation techniques employed by children naturally. (Walden, 1991).
- For example, children will look towards a caregiver for feedback to know what
 to do with novel objects. (Pales, Viruse-Ortega, Field, Amin-Klael, & Schnerch, 2013.) If the caregiver
 appears anxious, the child will typically approach the stimulus anxiously as
 well. (De Rosnay, Cooper, Tsigans, &, Murray, 2006).

Previous studies have indicated that the impacts of parental depression seem greatest for children experiencing the effects of their parent's depression at an earlier age. (Essexet al., 2001)

In the current study, we examined the relationship between parental depression
and social referencing in two different age groups. We predicted that higher levels
of parental depression would correlate with poorer performance on social
referencing tasks, and that this relationship would be most pronounced when
measured at infancy.

Methods

9-Month-Olds



Free Play Task: The free play task was originally designed by Ruff (1984) to measure sustained attention. Infants sat on their parent's lap and played with a single toy for two minutes.

Videos were coded for the following behaviors:

- attention to toy: eye gaze directed toward toy
 attention to people: eye gaze directed toward
- people
 quiet disengagement: hands on toy, gaze away
- from toy or people
 inattention: not touching toy, gaze away from toy and people.

5-Year-Olds

Disappointing Gift Task: The disappointing gift paradigm was originally designed by Saarni (1984) to measure emotion regulation. At the beginning of the study, the child is presented with several gift options and asked to rate them on preference. At the end of the study session, a new experimenter presents the child with the incorrect gift. After a series of questions, the child is given the correct gift.

Videos were coded for the following behaviors:

- attention to present: eye gaze directed toward toy or wrappings
- attention toward experimenters: eye gaze toward experimenters
- inattention: eye gaze away from present and experimenters



Children of more highly depressed parents displayed fewer instances of social referencing, with less shifts of attention toward the experimenter (r = -0.27) and toward the present (r = -0.29).

Children of parents who report higher levels of depression had less attention shifts

Results: 5-Year-Olds

 There was a negative correlation between parental depression scores and time spent looking towards experimenters by 5-year-old children (r = -0.36).

Time Spent Looking toward Experimenters

15

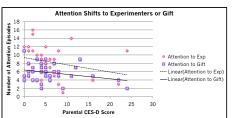
Parental CES-D Score

20

Children of parents who report higher levels of depression spent less time

referencing experimenters.

between the gift and the experimenter.



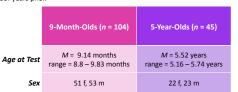
CES-D: Parents completed the Center for Epidemologic Studies Depression Scale (CES-D) as provided by the National Institute for Mental Health to report symptoms of depression over the past week. A higher score on this questionnaire correlates with higher levels of perceived depression in an individual.

PSS: Parents completed Cohen's Perceived Stress Scale (PSS) provided by the American Sociological Association to report symptoms of stress over the past month. Due to its high correlation with scores on the CES-D, we did not include it in our final analyses.

Participants

9-Month-Olds: Participants were recruited by phone from a community participant pool. All children were screened for known developmental or neurological disorders, and known vision or hearing impairments.

5-Year-Olds: Participant were recruited by phone from record of participation in a study four years prior.



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Results: 9-Month-Olds

Infants of parents with higher levels of depression spent less time attending to people.

 There was a negative correlation between parental depression scores and duration of looking time towards people by 9-month-old infants (r = -0.27).

Infants of parents with higher levels of depression spent more time in quiet disengagement.

 There was a positive correlation between parental depression scores and duration of time spent in quiet disengagement by 9-month-old infants (r = 0.30).





Conclusion

Parental depression impacts the development and expression of social referencing across early childhood.

Our results suggest consistency in the effects of parental depression over time.

- Similar effects across age groups (despite highly different tasks) suggests that parental depression has stable effects on children's social referencing across development.
- This further signifies the importance of intervention efforts to assist parents experiencing depression over the early childhood period.

Most parental depression scores fell in the normative range

- The clinical cut-off score for the CES-D is 16; only 5-10% of our sample fell into the clinical range for depression.
- This indicates that even milder/non-clinical levels of depression in parents predict children's social referencing development.

Further research suggestions:

 Future research should investigate whether behavioral interventions are effective for parents experiencing depression symptoms at non-clinical levels.