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Exploring the Effects of Maternal Employment on Early Childhood Communication Development

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Abstract:
Relation between maternal employment and its impact on childhood development has been a debatable subject among scholars, policy makers and parents. Language acquisition and communication skills are critical during early childhood, forming the foundation for social interaction, cognitive development, and academic achievement. This study aims to look into the intricate relationship between maternal employment and early childhood communication development.

Keywords: Maternal Employment, Early Childhood Communication, Communication Development

Introduction

The impact of maternal employment on early childhood development has been a subject of significant interest and debate among scholars, policymakers, and parents alike. As the prevalence of dual-income families continues to rise, understanding the nuances of how maternal employment influences various developmental domains becomes increasingly important. Among these domains, communication development stands out as a fundamental aspect of a child's overall growth and future success. Language acquisition and communication skills are critical during early childhood, forming the foundation for social interaction, cognitive development, and academic achievement.

The dynamics of maternal employment present a unique context for exploring its effects on children's communication development. On one hand, maternal employment can lead to reduced direct interaction time between mother and child, potentially limiting opportunities for verbal engagement and language enrichment. On the other hand, the presence of diverse caregivers and enriched environments in early childhood education settings may provide alternative avenues for developing communication skills. There is an argument that maternal employment during infancy has both negative (Belsky & Eggebeen, 1991) and positive effects on children's social and intellectual development (Clarke-Stewart, 1991). The most noteworthy researchers studying the effects of maternal employment, Belsky and Eggebeen (1991), argue that maternal employment during infancy has a negative effect on children's social and behavioral

development. In contrast, Clarke-Stewart (1991) concluded that there are significant social and intellectual benefits when a mother works and places her child in childcare.

This study aims to delve into the intricate relationship between maternal employment and early childhood communication development. By examining various factors such as the quality of childcare, the nature of maternal employment, and family dynamics, we seek to uncover both the challenges and benefits associated with maternal employment. Through a comprehensive analysis, this research endeavors to contribute valuable insights to the ongoing discourse, ultimately informing policies and practices that support optimal child development in the context of working mothers.

The findings of this study hold the potential to reshape our understanding of the interplay between maternal employment and early childhood communication, guiding both parents and policymakers in making informed decisions that foster the best outcomes for children's developmental trajectories.

Aim of the Study:

- To understand the influence of maternal employment on developmental domains of communication.
- To understand the influence of caregivers on developmental domains of communication.

Method

Participants

The study included 82 participants in the age range of 3to 4 years. On the basis of maternal employment, the subjects were divided into - Group A and Group B. Group A consisted of 37 children of non-working mothers and Group-B consisted of 45 children of working mothers. Group B was further divided into subgroups B1, B2 and B3 on the basis of caregivers of the children. Subgroup B1 consisted of children who were taken care in day cares. Subgroup B2 consisted of children under the care of servants and Subgroup B3 consisted of children under the care of grandparents.

Children with cognitive deficits, sensory loss, motor deficits, maturational delays, speech-language delays/disorders and behavioral issues were excluded from the study. Children from exceptional circumstances such as orphanages, juvenile home, neglect, abuse etc. were not considered for the study.

Materials

A developmental checklist was used as the material of the proposed study. The check list development was done in the first phase of the study. The checklist included a total number of 40 questions under 4 domains of communication namely Language, Social, Cognitive and Emotional & Behavioral domains with a 5-point rating scale.

Procedures

Each of the domains in the developed checklist included 10 questions giving a total of 40. The questions were made in the form of a five-point rating scale, with 0-Never, 1-Rarely, 2-Sometimes, 3-Usually, 4-Consistently. The checklist was framed such that higher scores indicated better skills.

The checklists were given randomly to 120 parents/caregivers of children in the age range of 3-4 years of age. They were interviewed and were explained about the purpose and methods of the study. Orientation was given to fill the checklist. Queries in the rating were cleared promptly.

Based on the response of the parents/caregivers to the Part-A questions, which addressed the information regarding the parental employment, the whole population was divided in to two main groups Group-A

➔children of Non-working mothers and Group-B ➔ children of Working Mothers, which was further divided in to B1 (children taken care in Day care), B2 (children taken care by Servants) and B3 (children taken care by Grandparents).

Data for the study was collected in two ways.

- From 3-day cares of urban area (Prior appointments were taken from each of the day cares to provide orientation class for the parents/caregivers regarding the checklist).
- By visiting urban area residences and interrogating with parents/caregivers.

The data collected from the caregivers were subjected to qualitative analysis using SPSS (13.0) version. Independent t-test was employed to determine the significant difference between the groups and the different domains.

Results And Discussion

1) **The influence of maternal employment on developmental domains of communication.**

Mean and standard deviation of each domain was calculated for both groups. Independent t-test was employed to determine the significant difference between group A and Group B.

Figure 1: Mean values of group A and group B across each domain of communication

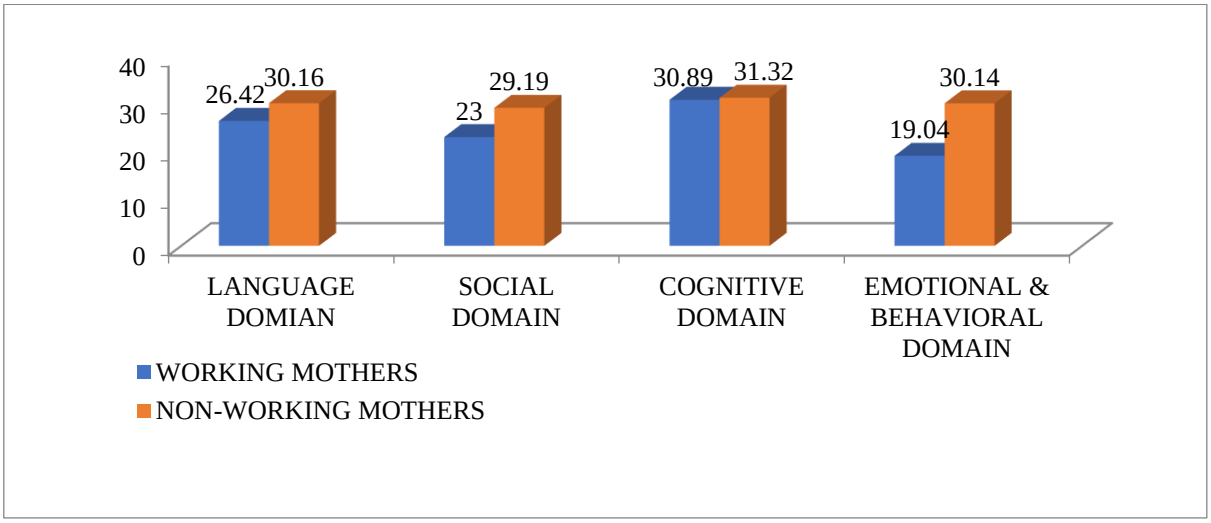

Table 1: Mean, Standard Deviation and independent-t test results of groups A and B across each domain.

Domains	Groups	N	Mean	SD	t-Value	P
Language	Working Mothers	45	26.42	5.590	0.674	0.506
	Non-Working Mothers	37	30.16	3.346		NS
Social	Working Mothers	45	23.00	5.776	0.150	0.882
	Non-Working Mothers	37	29.19	3.922		NS
Cognitive	Working Mothers	45	30.89	3.669	0.612	0.546
	Non-Working Mothers	37	31.32	3.266		NS
Emotional & Behavioral	Working Mothers	45	19.04	8.082	0.184	0.855
	Non-Working Mothers	37	30.14	4.650		NS

As the scoring of the checklist is directly proportional to performance, a high mean value indicates better performance. From Figure 1, it can be observed that the mean score of Group A for the Language domain is 31.32, the Cognitive domain is 30.16, the social domain is 29.19, and the Emotional & Behavioral domain is 30.16. The combined mean score of Group B in the Language domain is 30.89, the Cognitive domain is 26.42, the social domain is 23.00, and the Emotional & Behavioral domain is 19.04. The mean scores of Group A are higher compared to Group B across all four developmental domains.

However, the mean score of Group B is above the cut-off score in the Language, Social, and Cognitive domains. In the Emotional & Behavioral domain, the mean score of Group B is slightly below the cut-off score. An Independent t-test was employed to determine the significant difference between the groups. Even though Group B had lower mean values than Group A, the t-test result reveals that there is no statistically significant difference between Group A and Group B.

In summary, the study reveals that Group A outperforms Group B in all four developmental domains: Language, Cognitive, Social, and Emotional & Behavioral. While Group B's scores in the Language, Social, and Cognitive domains are above the cut-off, their score in the Emotional & Behavioral domain falls slightly below the threshold. The findings suggest that maternal employment does not lead to a statistically significant difference in the developmental outcomes between the two groups. Therefore, it is crucial to consider other contributing factors and support systems that may influence child development alongside maternal employment. Future research should further explore these variables to provide a more comprehensive understanding of the impact of maternal employment on early childhood development.

Conclusion

The exploration of maternal employment's effects on early childhood communication development has illuminated several critical insights. This study underscores the multifaceted nature of child development and the myriad factors that influence it. While maternal employment has often been scrutinized for its potential negative impacts on a child's development, our findings reveal a more nuanced picture.

Group A, consisting of children with non-working mothers, demonstrated higher mean scores in the Language, Cognitive, Social, and Emotional & Behavioral domains. These findings might suggest that increased time spent with a primary caregiver can positively influence early communication and developmental milestones. The enriched interactions, verbal engagement, and consistent emotional support provided by a stay-at-home mother could be contributing factors to these higher scores.

Conversely, Group B, which includes children with working mothers, also showcased substantial developmental achievements, albeit with lower mean scores compared to Group A. It's noteworthy that these children still achieved above the cut-off scores in the Language, Cognitive, and social domains, indicating that maternal employment does not necessarily hinder a child's developmental progress. The slightly below cut-off score in the Emotional & Behavioral domain warrants further investigation, as it may point to areas where additional support could be beneficial.

The lack of statistically significant differences between the two groups, as revealed by the independent t-test, suggests that maternal employment per se is not a determining factor in early childhood communication development. Instead, it highlights the importance of other variables such as the quality of childcare, the level of parental involvement during non-working hours, and the broader family dynamics.

This study contributes to the ongoing discourse on work-life balance, childcare quality, and parental roles. It emphasizes the need for supportive policies and practices that empower working mothers while ensuring optimal developmental outcomes for their children. Employers and policymakers should consider flexible

work arrangements, accessible quality childcare options, and parental leave policies that support family well-being.

Future research should delve deeper into understanding the specific conditions under which maternal employment positively or negatively influences child development. Longitudinal studies tracking children over time, considering diverse socioeconomic backgrounds, and examining the interplay between maternal employment and other caregiving arrangements will provide a more comprehensive understanding of this complex issue.

In conclusion, maternal employment is a significant aspect of modern family life with profound implications for early childhood development. By fostering environments that support both working mothers and their children's developmental needs, society can ensure that all children have the opportunity to thrive and reach their full potential in the crucial early years of life.

References

1. A brief critique of Hart, B & Risley, T. (1995). Meaningful differences in everyday experience of the young American children Baltimore: Paul H. Brookes Publishing.
2. Akhtar, N., Carpenter, M., & Tomasello, M. (1996). The role of discourse novelty in early word learning. Child Development, 67(2), 635-645. DOI: 10.1111/j.1467-8624.1996.tb01756.x
3. Almani, A. S., Abro, A., & Mugheri, A. A. (2012). Study of the Effects of Working Mothers on the Development of Children in Pakistan. International Journal of Humanities and Social Science, 2(11), 164-171.Retrieved from http://memberfiles.freewebs.com/13/79/101137913/
4. Bainbridge, (2017). How do children learn language? Very well Retrieved from https://www.verywell.com/how-do-children-learn-language-1449116.
5. Baydar, N., & Brooks-Gunn, J. (1991). Effects of maternal employment and child-care arrangements on preschoolers' cognitive and behavioral outcomes: Evidence from the Children of the National Longitudinal Survey of Youth. Developmental psychology, 27(6), 932. DOI: 10.1037/0012-1649.27.6.932
6. Belsky, J., & Steinberg, L. D. (1978). The effects of day care: A critical review. Child development, 929-949. DOI: 10.2307/1128732
7. Bernal, R. (2008). The effect of maternal employment and childcare on children's cognitive development. International Economic Review, 49(4), 1173-1209. DOI: 10.1111/j.1468-2354.2008.00510.x
8. Bianchi, S.M., & Robinson, J. (1997). What did you do today? Children’s use of time, family composition, and acquisition of social capital. Journal of Marriage and the Family, 59(2), 332–344.
9. Blau, F. D., & Grossberg, A. J. (1990). Maternal labor supply and children's cognitive development (No. w3536). National Bureau of Economic Research. DOI: 10.3386/w3536
10. Bruner, J. (1983). Play, thought, and language. Peabody Journal of Education, 60(3), 60-69.
11. Carpenter, M., Nagell, K., Tomasello, M., Butterworth, G., & Moore, C. (1998). Social cognition, joint attention, and communicative competence from 9 to 15 months of age. Monographs of the society for research in child development, i-174. DOI: 10.2307/1166214
12. Carpenter, M., Nagell, K., Tomasello, M., Butterworth, G., & Moore, C. (1998). Social cognition, joint attention, and communicative competence from 9 to 15 months of age. Monographs of the society for research in child development, i-174. DOI: 10.2307/1166214

13. Chase-Lansdale, P. L., Moffitt, R. A., Lohman, B. J., Cherlin, A. J., Coley, R. L., Pittman, L. D.& Votruba-Drzal, E. (2003). Mothers9 Transitions from Welfare to Work and the Well-Being of Preschoolers and Adolescents. Science, 299(5612), 1548-1552.DOI: 10.1126/science.1076921
14. Cherlin, A. J., & Furstenberg Jr, F. F. (1994). Stepfamilies in the United States: reconsideration. Annual review of sociology, 20(1), 359-381. Retrieved from https://doi.org/10.1146/annurev.so.20.080194.002043
15. Cherry, F. F., & Eaton, E. L. (1977). Physical and cognitive development in children of low-income mothers working in the child's early years. Child development, 158-166. DOI: 10.2307/1128895
16. Clarke-Stewart, K. A. (1991). A home is not a school: The effects of childcare on children's development. Journal of Social Issues, 47(2), 105-123. Doi: 10.1111/j.1540-4560.1991.tb00290.x
17. Das, S., Jain-Chandra, S., Kochhar, K., & Kumar, N. (2015). Women workers in India: why so few among so many? Retrieved from https://papers.ssrn.com/sol3/papers.cfm?abstract_id=2594138
18. Datta P. Pediatric Nursing. 2nd edition. New Delhi: Jaypee Brothers Medical Publishers (P) Ltd; 2009.p.1, 186-192.
19. Edwards, O. W., & Daire, A. P. (2006). School-age children raised by their grandparents: Problems and solutions. Journal of Instructional Psychology, 33(2), 113-120.DOI: 10.1002/pits.20170
20. Gennetian, L. A., Lopoo, L. M., & London, A. S. (2008). Maternal Work Hours and Adolescents' School Outcomes Among Low-Income Families in Four Urban Countries. Demography, 45(1), 31–53. doi:10.1353/dem.2008.0003
21. Gregg, P., Washbrook, E., & ALSPAC Study Team. (2003). The effects of early maternal employment on child development in the UK. University of Bristol CMPO Discussion Paper, 3, 070. Retrieved from: http://core.ac.uk/download/pdf/7352779.pdf.
22. Gregg, P., Washbrook, E., Propper, C., & Burgess, S. (2005). The effects of a mother's return to work decision on child development in the UK. The Economic Journal, 115(501). DOI: 10.1111/j.0013-0133.2005.00972.x
23. Harvey, E. (1999). Short-term and long-term effects of early parental employment on children of the National Longitudinal Survey of Youth. Developmental psychology, 35(2), 445. Retrieved from https://www.ncbi.nlm.nih.gov/pubmed/10082015
24. Harvey, E. (1999). Short-term and long-term effects of early parental employment on children of the National Longitudinal Survey of Youth. Developmental psychology, 35(2), 445. Retrieved from: http://dx.doi.org/10.1037/0012-1649.35.2.445
25. Hill, J. L., Waldfogel, J., Brooks-Gunn, J., & Han, W. J. (2005). Maternal employment and child development: a fresh look using newer methods. Developmental psychology, 41(6), 833. DOI:10.1037/0012-1649.41.6.833
26. Husén, T. (1963). Social determinants of the comprehensive school. International Review of Education, 9(2), 158-174. Retrieved from DOI: https://doi.org/10.1007/BF01416997
27. Iverson, J. M., Capirci, O., Longobardi, E., & Caselli, M. C. (1999). Gesturing in mother-child interactions. Cognitive Development, 14(1), 57-75. Retrieved from https://doi.org/10.1016/S0885-2014 (99)80018-5
28. Karanth, P. (2005). The nature-nurture controversy in its most recent avatar: A response to Shukla and Vasanta. Journal of Biosciences, 30(1), 139-142. DOI: 10.1007/BF02705158
29. Kreisberg, L. (1970). Mothers in poverty: A study of fatherless families. Transaction Publishers.

30. Kuhl, P. K. (2004). Early language acquisition: cracking the speech code. Nature reviews neuroscience, 5(11), 831-843. Doi: 10.1038/nrn1533
31. Lamb, M. E., Russell, G., & Sagi, A. (1983). Summary and recommendations for public policy. Fatherhood and family policy/edited by Michael E. Lamb, Abraham Sagi. Retrieved from: http://www.nal.usda.gov/
32. Lefebvre, P., & Merrigan, P. (1998). Work schedules, job characteristics, parenting practices and children's outcomes. Applied Research Branch, Strategic Policy, Human Resources Development Canada, Working Papers, W-98-# E, (Cahier de recherche no. 77, CREFÉ, http://ideas. uqam. ca/CREFE/publications. html. Retrieved from https://ideas.repec.org/p/cre/crefwp/77.html#lists
33. Lieven, E. V. (1994). Crosslinguistic and cross-cultural aspects of language addressed to children. Retrieved from: http://dx.doi.org/10.1017/CBO9780511620690.005
34. Locke, J. L. (1993). The child's path to spoken language. Cambridge, MA: Harvard University Press.
35. McIntosh, K. (2006). Working Mothers vs Stay at Home Mothers: The Impact On Children. (Electronic Thesis or Dissertation). Retrieved from https://etd.ohiolink.edu/
36. Mittal, S., & Sharma, K. (2012). The Impact of working and Non-Working Mothers on Their Child's Nutritional Status, Academic Performance and Behavior Pattern. Journal of Advances and Scholarly Researches in Allied Education 3(6) p 0-0. Retrieved from: http://www.ignited.in/J/JASRAE/I/a/1013
37. Nelson, K. E., Camarata, S. M., Welsh, J., Butkovsky, L., & Camarata, M. (1996). Effects of imitative and conversational recasting treatment on the acquisition of grammar in children with specific language impairment and younger language-normal children. Journal of Speech, Language, and Hearing Research, 39(4), 850-859. doi:10.1044/jshr.3904.850
38. Network, E. C. C. R. (2003). Does amount of time spent in childcare predict socioemotional adjustment during the transition to kindergarten? Child Development, 74(4), 976-1005. DOI: 10.1111/1467-8624.00582
39. Nomaguchi, K. M., Milkie, M. A., & Bianchi, S. M. (2005). Time strains and psychological wellbeing: Do dual-earner mothers and fathers differ? Journal of Family Issues, 26, 756–792. Doi: 10.1177/0192513X05277524 teaching, 2(3), 176-186. Doi: 10.1002/tea.3660020306
40. Ranjan, S (2013). Effect of mother's working status on behavioral problems of primary school children. Shaikshik Parisamvad. 3(2), pp 36 - 41.
41. Rao, T. S. (1992). Manual on developing communication skills in mentally retarded persons. NIMH, Secundarabad. Retrieved fromhttp://nimhindia.gov.in/Manual On Developing Communication Skills.pdf.
42. Rosenthal, C. J., A. Martin-Matthews and S. H. Matthews (1996), "Caught in the middle? Occupancy in multiple roles and help to parents in a national probability sample of Canadian adults", Journal of Gerontology: Social Sciences, 51(B): S274-S283. Doi: 10.1093/geronb/51B.6.S274
43. Rowe, M. L., Pan, B. A., & Ayoub, C. (2005). Predictors of variation in maternal talk to children: A longitudinal study of low-income families. Parenting: Science and Practice, 5(3), 259-283. Retrieved from http://dx.doi.org/10.1207/s15327922par0503_3
44. Rowe, M., & Goldin-Meadow, S. (2009a). Early gesture selectively predicts later language learning. Developmental Science, 12, 182–187.

45. Shonkoff, J. P. (2004). Closing the gap between what we know and what we do. Chicago, IL: Ounce of Prevention Fund. Retrieved from https://www.theounce.org/wp-content/uploads/2017/03/Shonkoff-SciencePolicyandtheYoungDevelopingChild.pdf
46. Smith, G. C., & Palmieri, P. A. (2007). Risk of psychological difficulties among children raised by custodial grandparents. Psychiatric Services, 58(10), 1303-1310. Retrieved from http://ps.psychiatryonline.org/doi/full/10.1176/ps.2007.58.10.1303#
47. Snow, C.E.Barnes, W.S.Chandler, J.Goodman,I. and Hemphill L.(1991), Unfulfilled Expectations: Home and school influences on literacy, Cambridge, MA: Harvard University Press.
48. Sofia, M. (2014). Mothers Perception on Maternal Employment and its impact on Mother-Child Relationship and Child's School Competence (Doctoral dissertation).
49. Sonakshi Ruhela & Dr. Priyanka Tiwari - A Study of Development of Language Socialization in Children of Working and Non-working Mothers. International Journal of Scientific and Research Publications.3 (10) Retrieved from http://www.ijsrp.org/research-paper-1013.php?rp=P221832
50. Vandell, D. L., & Ramanan, J. (1992). Effects of early and recent maternal employment on children from low-income families. Child development, 63(4), 938-949. DOI: 10.1111/j.1467-8624. 1992.tb01673.x
51. Vijayalakshmi K, Kumar CV, Rajamanickam H, Cherian A. Child rearing practices and psychological problems in children. Nursing and Midwifery Research Journal 2007 Apr; 3(2):49 -51.
52. Vygotsky, L.S. (1978). Mind and society: The development of higher mental processes. Cambridge, MA: Harvard University Press.
53. Waldfogel, J. (2002). Childcare, women's employment, and child outcomes. Journal of Population Economics, 15(3), 527-548.DOI https://doi.org/10.1007/s001480100072