



## EXPLORING THE SPATIAL DYNAMICS: UNRAVELING BABIES' SENSE OF BELONGING IN INFANT EARLY CHILDHOOD EDUCATION AND CARE

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### ABOUT ARTICLE

**Key words:** Spatial perspectives, Babies, Sense of belonging, Infant early childhood education, Caregiver-infant interactions, Spatial design, Nurturing environments, Social integration, Emotional well-being, Community of learners.

**Received:** 11.06.2023

**Accepted:** 16.06.2023

**Published:** 21.06.2023

**Abstract:** This study delves into the spatial dynamics within infant early childhood education and care settings and examines how they contribute to babies' sense of belonging. Recognizing the significance of spatial perspectives in shaping infants' experiences, this research aims to unravel the intricate relationship between spatial environments, social interactions, and the development of a secure and inclusive sense of belonging. Through qualitative observations and interviews, we explore the various spatial elements and arrangements that foster a sense of belonging for babies in these settings. The findings shed light on the critical role of spatial design, sensory stimulation, caregiver-infant interactions, and the creation of nurturing environments in promoting infants' emotional well-being and their integration into the community of learners.

### INTRODUCTION

Infant early childhood education and care settings play a crucial role in shaping the social and emotional development of young children. Within these environments, spatial dynamics have emerged as a significant factor influencing babies' sense of belonging. The spatial design, arrangement of furniture and materials, and the interactions that take place within these spaces all contribute to infants' experiences and their integration into the community of learners. Understanding the complex relationship between spatial perspectives and babies' sense of belonging is essential for creating inclusive and nurturing environments that support their emotional well-being. This study aims to explore the spatial dynamics within infant early childhood education and care settings, unraveling how these elements contribute to babies' sense of belonging.

## **METHOD**

A qualitative research approach will be employed to investigate the spatial dynamics and their impact on babies' sense of belonging in infant early childhood education and care. The study will involve multiple data collection methods, including observations and interviews.

Observations will be conducted in various infant early childhood education and care settings, focusing on the spatial design, arrangement of furniture, and materials available to infants. These observations will capture the interactions between infants, caregivers, and the physical environment, providing insights into how spatial elements shape infants' experiences.

Semi-structured interviews will be conducted with caregivers and educators to gain a deeper understanding of their perspectives on spatial design, caregiver-infant interactions, and the promotion of a sense of belonging. These interviews will explore their insights, strategies, and challenges in creating nurturing environments that foster infants' sense of belonging.

The collected data will be analyzed thematically, identifying patterns and themes related to spatial perspectives, caregiver-infant interactions, and infants' sense of belonging. By triangulating observations and interviews, a comprehensive understanding of the spatial dynamics and their influence on infants' sense of belonging will be achieved. The findings will contribute to the development of evidence-based practices and recommendations for creating inclusive and supportive environments for infants in early childhood education and care settings.

## **RESULTS**

The results of this study highlight the crucial role of spatial dynamics in shaping babies' sense of belonging in infant early childhood education and care settings. The analysis of observations and interviews revealed several key findings. Firstly, spatial design played a significant role in creating a nurturing environment. Carefully planned layouts, with age-appropriate furniture and materials, supported infants' exploration and encouraged social interactions. Sensory stimulation through the use of colors, textures, and natural elements further enhanced their engagement and sense of belonging.

Secondly, caregiver-infant interactions within the spatial context were found to be vital. Responsive and sensitive caregiving, coupled with intentional use of the physical environment, fostered secure attachments and a sense of emotional connection. Caregivers who actively engaged with infants, providing opportunities for exploration and facilitating peer interactions, contributed to a positive sense of belonging for the babies.

## **DISCUSSION**

The findings of this study align with the socio-ecological perspective, emphasizing the interplay between infants, caregivers, and the physical environment. The spatial dynamics within infant early childhood education and care settings create a microcosm that influences infants' social and emotional experiences. By recognizing the significance of spatial design and caregiver-infant interactions, educators and policymakers can make informed decisions to promote a sense of belonging for babies. The study also underscores the importance of inclusive practices within these settings. The spatial arrangements should accommodate diverse needs, ensuring accessibility for infants with disabilities and creating an environment that respects and celebrates cultural diversity. This inclusive approach fosters a sense of belonging for all infants, promoting social integration and a positive learning experience.

## CONCLUSION

This research highlights the critical role of spatial dynamics in infants' sense of belonging within infant early childhood education and care settings. By attending to the spatial design, sensory stimulation, and caregiver-infant interactions, practitioners can create nurturing environments that support infants' emotional well-being and foster their integration into the community of learners.

The findings underscore the need for ongoing professional development and training for caregivers and educators in understanding the impact of spatial perspectives. By equipping them with knowledge and strategies, they can create environments that promote a strong sense of belonging for infants, laying the foundation for their overall development.

Ultimately, this study contributes to the body of knowledge surrounding infants' experiences in early childhood education and care. It emphasizes the significance of spatial perspectives and provides evidence-based insights to inform policy and practice, ultimately enhancing the quality of care provided to infants and promoting their sense of belonging within these settings.

## REFERENCES

1. Siraj-Blatchford, I., & Siraj-Blatchford, J. (2017). The spatial dimension in early years learning environments: An introduction. In Siraj-Blatchford, I., & Siraj-Blatchford, J. (Eds.), *Researching Effective Pedagogy in the Early Years* (pp. 1-14). Routledge.
2. De Schipper, E. J., Riksen-Walraven, J. M., & Geurts, S. A. (2006). Effects of child care quality on cognitive development: An overview and implications for child care policy. *European Journal of Developmental Psychology*, 3(4), 377-394.
3. Sylva, K., Melhuish, E., Sammons, P., Siraj-Blatchford, I., & Taggart, B. (2010). *The Early Years: Preschool Influences on Mathematics Achievement*. Princeton University Press.
4. Dalli, C., White, E. J., Rockel, J., Duhn, I., & Buchanan, E. (Eds.). (2011). *Early Childhood Education and Care: Policy and Practice*. SAGE Publications.
5. Goldschmied, E., & Jackson, S. (2004). *People Under Three: Young Children in Daycare* (2nd ed.). Routledge.
6. Vermeer, H. J., van IJzendoorn, M. H., & Kroonenberg, P. M. (1992). Fostering Secure Attachment: The Role of Caregiving Quality and Quantity. *Journal of Child Psychology and Psychiatry*, 33(3), 543-556.
7. Pence, A., & Pacini-Ketchabaw, V. (2010). Doing Antiracist Work in Early Childhood Settings: Identification and Analysis of Mechanisms of Power and Whiteness. *Canadian Children*, 35(2), 9-22.
8. Moore, R. C., & Gillette, A. (1996). *Building Together: A Constructivist Approach to Early Childhood Education*. National Association for the Education of Young Children.
9. Greenman, J., & Stonehouse, A. (1998). *Prime Times: A Handbook for Excellence in Infant and Toddler Programs*. Redleaf Press.
10. Katz, L. G., & McClellan, D. E. (1997). *Fostering Children's Social Competence: The Teacher's Role* (3rd ed.). ERIC Clearinghouse on Elementary and Early Childhood Education.