



Replication Study on Community-Based Early Childhood Care Programmes in Nairobi Slums: A Longitudinal Perspective

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Abstract

Community-based early childhood care programmes have been implemented in Nairobi slums to address developmental needs of children under five years old. A mixed-method approach was employed, including quantitative surveys and qualitative interviews. Data were collected through structured questionnaires administered to parents/guardians and teachers in selected schools over two academic years. Significant improvements in child development indicators (e.g., cognitive skills) were observed at the end of the study period, with a mean improvement rate of 15% across all monitored areas. The replication study confirms the positive impact of community-based early childhood care programmes on child development outcomes, supporting their efficacy as an intervention strategy in Nairobi slums. Further research should explore long-term impacts and scalability of these programmes to broader populations in similar socio-economic contexts. Community-Based Programmes, Early Childhood Care, Nairobi Slums, Longitudinal Studies, Child Development The empirical specification follows $Y = \beta_{0+\beta}^{-} p X + \text{varepsilon}$, and inference is reported with uncertainty-aware statistical criteria.

Keywords: *African Geography, Early Childhood Development, Community Participation, Longitudinal Research, Evaluation Methods, Slum Dynamics, Socio-Economic Factors*

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