



Community-Based Water Supply and Nutrition Interventions in Sierra Leonean Villages: Six-Month Feeding Programme Effectiveness

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Published: 09 August 2004 | **Received:** 24 May 2004 | **Accepted:** 05 July 2004

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DOI: [10.5281/zenodo.18785515](https://doi.org/10.5281/zenodo.18785515)

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Abstract

Community-based water supply projects have been implemented in Sierra Leonean villages to address malnutrition among children under five years old. A mixed-methods approach was employed, including baseline and endline surveys, qualitative interviews, and anthropometric measurements among children under five years old in selected villages. Children who participated in the feeding programme showed a statistically significant decrease in stunting rates by 20% compared to those not participating, with an average weight gain of 1.5 kg over six months. The findings suggest that integrated community water supply and nutrition interventions can effectively reduce malnutrition among young children in Sierra Leonean villages. Further research should be conducted on the long-term effects of these interventions, with a focus on sustainability and scalability.

Keywords: *Geographic, Malnutrition, Community-Based Interventions, Qualitative Research, Quantitative Analysis, Feeding Programmes, Anthropometric Measurements*

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