



Eco-Sanitation Programmes and Reproductive Health Awareness in Lagos Slums: An Evaluation

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Abstract

Eco-sanitation programmes in Lagos slums aim to improve environmental hygiene while reproductive health awareness is crucial for youth. A mixed-methods approach including surveys, interviews, and focus groups was employed to assess knowledge, attitudes, and practices related to both environmental hygiene and reproductive health. Findings indicate that while participants showed a significant increase ($p < 0.05$) in understanding of eco-sanitation benefits, their awareness about safe sex practices remained low at 42%. Eco-sanitation programmes alone may not sufficiently address reproductive health needs; integrating sexual education could be beneficial. Future interventions should include comprehensive sexual education alongside eco-sanitation to enhance overall youth well-being. The empirical specification follows $Y = \beta_{0+\beta}^{\rightarrow} p X + \text{varepsilon}$, and inference is reported with uncertainty-aware statistical criteria.

Keywords: *African Geography, Sanitation, Reproductive Health, Youth Studies, Hygiene Education, Mixed-Methods Research, Community Engagement*

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