



Effectiveness of Community Sanitation Systems in Preventing Cholera Outbreaks in Zanzibar, Tanzania,

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Abstract

Zanzibar, a semi-autonomous region of Tanzania, has experienced frequent cholera outbreaks despite having relatively advanced healthcare infrastructure. A mixed-methods approach combining quantitative data analysis with qualitative field observations was employed. Data included public health records and anthropological interviews conducted among community members. Community sanitation systems were moderately effective in reducing cholera incidence by approximately 30%, though inconsistent coverage across different areas posed ongoing challenges. While modest, the findings suggest that comprehensive community engagement is essential for sustained cholera prevention efforts. Further research and policy interventions are needed to address variability in system effectiveness. Integrate sanitation systems more closely with existing health services and prioritise equitable distribution of resources across Zanzibar's diverse communities. Cholera, Community Sanitation Systems, Public Health Interventions, Zanzibar

Keywords: *Sub-Saharan, sanitation, interventions, epidemiology, qualitative, quantitative, public health*

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