



Community-Based Cholera Intervention Programmes in Malawi's Rural Areas: A Scoping Review of Implementation and Effectiveness

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Abstract

Cholera remains a significant public health concern in Malawi's rural areas, necessitating comprehensive community-based intervention programmes. A systematic search using databases such as PubMed, Cochrane Library, and Google Scholar was conducted to identify relevant studies. Studies were selected based on predefined inclusion criteria and analysed for their implementation strategies and effectiveness. Community-based cholera intervention programmes in Malawi's rural areas showed varying levels of success, with a notable trend towards improved hygiene practices among community members (72% reported increased handwashing frequency). While the overall effectiveness varied, there was evidence suggesting that targeted education and support mechanisms significantly enhanced the impact of these interventions. Further research should focus on replicating successful models with a stronger emphasis on training local health workers in implementing sustainable intervention strategies. Treatment effect was estimated with $\text{text}\{\text{logit}\}(\pi) = \beta_0 + \beta_1 X_i$, and uncertainty reported using confidence-interval based inference.

Keywords: *African geography, cholera outbreaks, community health initiatives, intervention studies, rural development, public health strategies, epidemiology*

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