



Cost-Effectiveness of Community Health Worker Programmes in Malaria Control in Northern Nigeria: A 2011 Study

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Abstract

Malaria remains a significant public health concern in northern Nigeria, where community health worker (CHW) programmes have been implemented to control malaria transmission. A mixed-methods approach involving surveys, focus groups, and financial analyses was employed to examine the effectiveness and affordability of these programmes in selected communities. CHWs were effective in reducing malaria incidence by 40% compared to control areas (95% CI: 35-46%), indicating a significant impact on malaria prevalence. Community acceptance was high, with over 80% of participants expressing satisfaction and willingness to continue participation. CHW programmes proved cost-effective in reducing malaria incidence, demonstrating their potential as an efficient tool for malaria control in northern Nigeria. Further studies should be conducted to explore the scalability and sustainability of these CHW programmes across different regions of Nigeria. Community Health Workers, Malaria Control, Cost-Effectiveness, Community Acceptance Treatment effect was estimated with $\text{logit}(\pi) = \beta_0 + \beta_1 X_i$, and uncertainty reported using confidence-interval based inference.

Keywords: African, Cost-Effectiveness, Community Health Worker, Malaria, Implementation, Acceptance, PublicHealth

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