



Evaluating Vector Control Strategies Through Community Health Workers in Tanzanian Settings,

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Abstract

Malaria remains a significant public health issue in Tanzania, particularly affecting rural communities where access to healthcare is limited. A comparative study was conducted using qualitative data from CHW interventions in four regions of Tanzania over two years, focusing on the operational efficiency and efficacy of intervention methods. Community engagement through CHWs led to a 25% reduction in malaria cases reported by local health authorities compared to non-intervention areas, highlighting the critical role of community involvement in disease control strategies. CHW-led vector control programmes demonstrated significant efficacy and cost-effectiveness, warranting further implementation and evaluation across diverse settings. Further studies should be conducted with a larger sample size to generalize findings and explore long-term sustainability indicators.

Keywords: *Tanzania, Malaria, Vector Control, Community Health Workers, Qualitative Research, Public Health, Epidemiology*

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