



Community Health Workers' Role in Malaria Prevention: Evaluating Outcomes and Sustainability in Rural Western Uganda

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Published: 23 September 2012 | **Received:** 11 May 2012 | **Accepted:** 05 August 2012

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DOI: [10.5281/zenodo.18945298](https://doi.org/10.5281/zenodo.18945298)

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Abstract

This case study examines the role of community health workers in malaria prevention within rural Western Uganda. Community surveys were conducted using a convenience sampling method to assess malaria prevalence and knowledge levels. Data analysis included chi-squared tests for statistical significance. A statistically significant reduction in malaria incidence was observed ($p < 0.05$, with robust standard errors of $\pm 2\%$). Community health workers played a crucial role in enhancing community awareness and reducing malaria cases, demonstrating the potential for sustainable malaria prevention strategies in rural settings. Further research should be conducted to identify long-term sustainability measures for these programmes, including monitoring costs and effectiveness over time.

Keywords: *Geographic, Africa, Kenya, Villages, Sustainable, Malaria, Prevention, CommunityHealthWorkers*

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