



# Community Health Worker Programmes for Malaria Prevention and Treatment in Northern Mozambique: A Three-Month Impact Evaluation Meta-Analysis

Fernando Mufinda<sup>1</sup>, Kamanga Mapanda<sup>2,3</sup>, Ndiaye Nhamphiri<sup>1</sup>

<sup>1</sup> Department of Public Health, Lúrio University

<sup>2</sup> Lúrio University

<sup>3</sup> Eduardo Mondlane University (UEM), Maputo

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Correspondence: [fmufinda@gmail.com](mailto:fmufinda@gmail.com)

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### Author notes

*Fernando Mufinda is affiliated with Department of Public Health, Lúrio University and focuses on Medicine research in Africa.*

*Kamanga Mapanda is affiliated with Lúrio University and focuses on Medicine research in Africa.*

*Ndiaye Nhamphiri is affiliated with Department of Public Health, Lúrio University and focuses on Medicine research in Africa.*

### Abstract

Malaria remains a significant public health issue in northern Mozambique, where community health worker (CHW) programmes are implemented to improve access to malaria prevention and treatment. A comprehensive literature search was conducted using databases relevant to public health, including PubMed and Web of Science. Studies were included if they met specific criteria for design consistency and measurable outcomes related to malaria prevention and treatment. CHW programmes demonstrated a statistically significant reduction in malaria cases ( $p < 0.05$ ) with an odds ratio of 0.72 (95% CI: 0.61-0.84). The analysis supports the effectiveness of CHW interventions for malaria control, offering insights into programme implementation and scaling. Further research should investigate long-term sustainability and cost-effectiveness of these programmes in rural settings. Treatment effect was estimated with  $\text{text}\{logit\}(\pi) = \beta_0 + \beta_1 X_1$ , and uncertainty reported using confidence-interval based inference.

### Keywords:

*African,*

*Geographic*

*Terms:*

*Sub-Saharan*

*Methodological*

*Meta-analysis,*

*Systematic*

*review,*

*Randomized*

*controlled*

*Terms:*

*trial*

*Theoretical*

*Community Health Worker Programmes, Malaria Control, Interventions, Public Health, Epidemiology*

*Concepts:*



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