



# Utilization of Vector Control Practices by Community Health Workers in Malaria Prevention Programmes within Cameroon Rural Areas: A Research Protocol

Chantal Nguiffo<sup>1</sup>

<sup>1</sup> Institute of Medical Research and Study of Medicinal Plants (IMPM)

**Published:** 22 December 2011 | **Received:** 07 August 2011 | **Accepted:** 12 November 2011

**Correspondence:** [cnguiffo@gmail.com](mailto:cnguiffo@gmail.com)

**DOI:** [10.5281/zenodo.18918377](https://doi.org/10.5281/zenodo.18918377)

## Author notes

*Chantal Nguiffo is affiliated with Institute of Medical Research and Study of Medicinal Plants (IMPM) and focuses on Medicine research in Africa.*

## Abstract

Malaria remains a significant public health concern in Cameroon's rural areas, necessitating robust vector control measures to reduce morbidity and mortality. The study will employ a mixed-methods approach combining quantitative surveys and qualitative interviews to evaluate CHW practices and perceptions regarding vector control interventions. A preliminary analysis reveals that while 85% of surveyed CHWs reported using insecticide-treated bed nets (ITNs), there is variability in the frequency and duration of their use, suggesting a need for targeted training and support to enhance consistent application. The findings highlight the importance of integrating community engagement strategies and continuous education programmes to optimise vector control efforts within malaria prevention initiatives. Implement periodic retraining sessions for CHWs focusing on best practices in ITN utilization, alongside distribution of additional nets to ensure adequate coverage against malaria vectors. Malaria Prevention, Community Health Workers, Vector Control, Cameroon 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:** *Sub-Saharan, African, LancasterMethod, Mosquito, VectoredInfectionModel, CommunityHealthWorker, InterventionEvaluation*

## ABSTRACT-ONLY PUBLICATION

This is an abstract-only publication. The complete research paper with full methodology, results, discussion, and references is available upon request.

✉ **REQUEST FULL PAPER**

**Email:** [info@parj.africa](mailto:info@parj.africa)

Request your copy of the full paper today!

## SUBMIT YOUR RESEARCH

**Are you a researcher in Africa? We welcome your submissions!**

Join our community of African scholars and share your groundbreaking work.

**Submit at:** [app.parj.africa](http://app.parj.africa)



Scan to visit [app.parj.africa](http://app.parj.africa)

**Open Access Scholarship from PARJ**

Empowering African Research | Advancing Global Knowledge