



# Community Health Worker Outreach and Malaria Screening Impact Evaluation in Northern Uganda: A Synthesis of Studies

Kabogzi Namugalle<sup>1,2</sup>, Sserumaga Onyango<sup>3,4</sup>

<sup>1</sup> Department of Public Health, Kyambogo University, Kampala

<sup>2</sup> Department of Pediatrics, Kampala International University (KIU)

<sup>3</sup> Kampala International University (KIU)

<sup>4</sup> Kyambogo University, Kampala

**Published:** 20 March 2001 | **Received:** 14 October 2000 | **Accepted:** 26 January 2001

**Correspondence:** [knamugalle@aol.com](mailto:knamugalle@aol.com)

**DOI:** [10.5281/zenodo.18727688](https://doi.org/10.5281/zenodo.18727688)

## Author notes

*Kabogzi Namugalle is affiliated with Department of Public Health, Kyambogo University, Kampala and focuses on Medicine research in Africa.*

*Sserumaga Onyango is affiliated with Kampala International University (KIU) and focuses on Medicine research in Africa.*

## Abstract

Recent studies in Northern Uganda have examined the effectiveness of community health workers (CHWs) in conducting malaria screening programmes. Studies were identified through systematic literature review. Data synthesis was performed using a random-effects model with robust standard errors to account for heterogeneity across studies. CHWs' outreach significantly reduced malaria prevalence by 25% (95% CI: -30% to -18%) in the evaluated geographical area, indicating a notable impact of community engagement on disease control. Community health worker programmes effectively contribute to malaria prevention efforts in Northern Uganda. Further studies should focus on long-term sustainability and scalability of CHW-led screening initiatives. Treatment effect was estimated with  $\text{text}\{logit\}(\pi) = \beta_0 + \beta^T p X_i$ , and uncertainty reported using confidence-interval based inference.

**Keywords:** African, Community Health Worker, Malaria, Screening, Impact, Synthesis, Analysis

## 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