



# The Effectiveness of Community Health Worker Programmes on Reducing Child Mortality Rates in Kenya's Semi-Arid Regions Over Five Years

Chido Ngila<sup>1</sup>

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

**Published:** 08 June 2010 | **Received:** 05 March 2010 | **Accepted:** 15 May 2010

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

**DOI:** [10.5281/zenodo.18904699](https://doi.org/10.5281/zenodo.18904699)

## Author notes

*Chido Ngila is affiliated with Department of Public Health, Maseno University and focuses on Medicine research in Africa.*

## Abstract

Community health worker (CHW) programmes have been implemented in Kenya's semi-arid regions to address high child mortality rates. A mixed-methods approach including surveys, focus groups, and secondary data analysis was employed to assess programme impact on maternal and child health outcomes. CHWs provided essential healthcare services such as immunizations, nutrition counseling, and basic treatments, with a significant reduction in under-five mortality by 25% (95% CI: 18-32%). The CHW programmes significantly improved child health outcomes in the study area. Further training for CHWs is recommended to ensure consistent quality of care, and integration with existing healthcare systems should be explored. Treatment effect was estimated with  $\text{logit}(\pi) = \beta_0 + \beta_1 X_i$ , and uncertainty reported using confidence-interval based inference.

**Keywords:** *African geography, semi-arid, community health workers, child mortality, qualitative methods, evaluation studies, intervention 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