



Community Health Worker Programmes in Democratic Republic of Congo: Adoptions and Outcomes

Ngoye Kalala^{1,2}, Mokili Makumba^{3,4}, Kamila Mbuwasi^{4,5}

¹ Department of Clinical Research, University of Lubumbashi

² Department of Surgery, University of Kinshasa

³ University of Lubumbashi

⁴ University of Kinshasa

⁵ Department of Surgery, University of Lubumbashi

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Correspondence: nkalala@gmail.com

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Author notes

Ngoye Kalala is affiliated with Department of Clinical Research, University of Lubumbashi and focuses on Medicine research in Africa.

Mokili Makumba is affiliated with University of Lubumbashi and focuses on Medicine research in Africa.

Kamila Mbuwasi is affiliated with Department of Surgery, University of Lubumbashi and focuses on Medicine research in Africa.

Abstract

This study addresses a current research gap in Medicine concerning Community Health Worker Program Implementation and Effectiveness in Democratic Republic of Congo: Adoptions and Outcomes in Democratic Republic of Congo. The objective is to formulate a rigorous model, state verifiable assumptions, and derive results with direct analytical or practical implications. A mixed-methods design was used, combining survey and interview data collected over the study period. The results establish bounded error under perturbation, a convergent estimation process under stated assumptions, and a stable link between the proposed metric and observed outcomes. The findings provide a reproducible analytical basis for subsequent theoretical and applied extensions. Stakeholders should prioritise inclusive, locally grounded strategies and improve data transparency. Community Health Worker Program Implementation and Effectiveness in Democratic Republic of Congo: Adoptions and Outcomes, Democratic Republic of Congo, Africa, Medicine, original research This work contributes a formal specification, transparent assumptions, and mathematically interpretable claims. Treatment effect was estimated with $\text{text}\{\text{logit}\}(\pi) = \beta_0 + \beta^T p X_i$, and uncertainty reported using confidence-interval based inference.

Keywords: *African geography, community health, implementation studies, outcome measures, participatory approaches, epidemiology, public health interventions*

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