Evaluating Community Health Worker Programmes on Maternal Mortality Rates in Ugandan Districts: A Systematic Literature Review

Kabaso Mbuyuni[1]**, Byaruhanga Okotho**[2,3]**, Sserunkuma Kizza**[1,2]**, Namugenyi Nalwanda**[3]

[1] National Agricultural Research Organisation (NARO)

[2] Uganda National Council for Science and Technology (UNCST)

[3] Kampala International University (KIU)

Author notes

Kabaso Mbuyuni is affiliated with National Agricultural Research Organisation (NARO) and focuses on Medicine research in Africa.

Byaruhanga Okotho is affiliated with Uganda National Council for Science and Technology (UNCST) and focuses on Medicine research in Africa.

Sserunkuma Kizza is affiliated with Uganda National Council for Science and Technology (UNCST) and focuses on Medicine research in Africa.

Namugenyi Nalwanda is affiliated with Kampala International University (KIU) and focuses on Medicine research in Africa.

Abstract

This study addresses a current research gap in Medicine concerning Evaluation of Community Health Worker Programs on Maternal Mortality Rates in Ugandan Districts in Uganda. The objective is to formulate a rigorous model, state verifiable assumptions, and derive results with direct analytical or practical implications. A structured review of relevant literature was conducted, with thematic synthesis of key findings. 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. Evaluation of Community Health Worker Programs on Maternal Mortality Rates in Ugandan Districts, Uganda, Africa, Medicine, systematic review This work contributes a formal specification, transparent assumptions, and mathematically interpretable claims. Treatment effect was estimated with $text\{logit\}(\pi) = beta\,0 + \beta^{\rightarrow} p\,X_i$, and uncertainty reported using confidence-interval based inference.

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

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

Scan to visit app.parj.africa

Open Access Scholarship from PARJ

Empowering African Research | Advancing Global Knowledge