



Methodological Assessment and Risk Reduction Evaluation of Community Health Centres in Tanzania: A Quasi-Experimental Study

Kilinda Kimunya¹, Tuyari Tumusiime²

¹ Tanzania Commission for Science and Technology (COSTECH)

² Ardhi University, Dar es Salaam

Published: 17 October 2001 | **Received:** 16 August 2001 | **Accepted:** 23 September 2001

Correspondence: kkimunya@hotmail.com

DOI: [10.5281/zenodo.18725077](https://doi.org/10.5281/zenodo.18725077)

Author notes

Kilinda Kimunya is affiliated with Tanzania Commission for Science and Technology (COSTECH) and focuses on Medicine research in Africa.

Tuyari Tumusiime is affiliated with Ardhi University, Dar es Salaam and focuses on Medicine research in Africa.

Abstract

This study addresses a current research gap in Medicine concerning Methodological evaluation of community health centres systems in Tanzania: quasi-experimental design for measuring risk reduction in Tanzania. 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. Methodological evaluation of community health centres systems in Tanzania: quasi-experimental design for measuring risk reduction, Tanzania, Africa, Medicine, original research This work contributes a formal specification, transparent assumptions, and mathematically interpretable claims. Treatment effect was estimated with $\text{text}\{\text{logit}\}(\pi) = \beta_0 + \beta^{-1} p X_i$, and uncertainty reported using confidence-interval based inference.

Keywords: Tanzania, Quasi-experimental, Community health centers, Methodology, Evaluation, Risk assessment, Public health

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