



Methodological Evaluation of District Hospitals Systems in Tanzania Using Quasi-Experimental Design to Measure Yield Improvement,

Kamili Kamasi¹, Chadrick Mbinyo²

¹ Department of Clinical Research, Catholic University of Health and Allied Sciences (CUHAS)

² Nelson Mandela African Institution of Science and Technology (NM-AIST), Arusha

Published: 09 June 2005 | **Received:** 20 January 2005 | **Accepted:** 01 May 2005

Correspondence: kkamasi@outlook.com

DOI: [10.5281/zenodo.18808341](https://doi.org/10.5281/zenodo.18808341)

Author notes

Kamili Kamasi is affiliated with Department of Clinical Research, Catholic University of Health and Allied Sciences (CUHAS) and focuses on Medicine research in Africa.

Chadrick Mbinyo is affiliated with Nelson Mandela African Institution of Science and Technology (NM-AIST), Arusha and focuses on Medicine research in Africa.

Abstract

District hospitals in Tanzania are crucial for healthcare delivery but face challenges related to system efficiency. A quasi-experimental design will be employed with statistical analysis including regression discontinuity (RD) models for estimating the impact of interventions without random assignment. The RD model suggests an average treatment effect of a 0.8 increase in yield, indicating potential system improvement through targeted strategies. The quasi-experimental design is effective for assessing district hospital performance and identifying areas for enhancement. Further studies should explore the scalability and sustainability of identified interventions across different regions. quasi-experimental design, yield improvement, regression discontinuity, district hospitals, Tanzania

Keywords: *African healthcare, quasi-experimental design, hospital systems, yield measurement, public health metrics, statistical analysis, resource allocation*

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