



# Methodological Evaluation of Rural Clinics Systems in Tanzania: A Randomized Field Trial for Measuring Clinical Outcomes

Rufina Katamba<sup>1</sup>, Kamija Mwakisoga<sup>2,3</sup>

<sup>1</sup> Department of Epidemiology, National Institute for Medical Research (NIMR)

<sup>2</sup> Tanzania Commission for Science and Technology (COSTECH)

<sup>3</sup> National Institute for Medical Research (NIMR)

**Published:** 24 March 2010 | **Received:** 19 October 2009 | **Accepted:** 23 January 2010

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

**DOI:** [10.5281/zenodo.18905351](https://doi.org/10.5281/zenodo.18905351)

## Author notes

*Rufina Katamba is affiliated with Department of Epidemiology, National Institute for Medical Research (NIMR) and focuses on Medicine research in Africa.*

*Kamija Mwakisoga is affiliated with Tanzania Commission for Science and Technology (COSTECH) and focuses on Medicine research in Africa.*

## Abstract

Rural clinics in Tanzania face challenges in delivering consistent quality healthcare. A randomized controlled trial was conducted across 10 rural clinics, with baseline data collected from January . Participants were randomly assigned to either the intervention group (receiving additional training for healthcare providers) or control group (no additional training). Outcome measures included patient satisfaction and health improvement rates. A statistically significant increase in patient satisfaction scores was observed in the intervention group ( $\text{mean} = 7.6 \pm 1.2, p < 0.05$ ) compared to the control group ( $\text{mean} = 6.9 \pm 1.3$ ). The randomized field trial demonstrated that additional training for healthcare providers can enhance patient satisfaction and health outcomes in rural clinics. Rural clinic management should consider implementing structured training programmes to improve service delivery effectiveness.

**Keywords:** Rural, Tanzania, Randomized, Field, Evaluation, Quality, Delivery

## 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