



Methodological Evaluation of District Hospitals Systems in Rwanda: A Randomized Field Trial for Measuring Adoption Rates

Kabagura Ndayishimiye¹

¹ Rwanda Environment Management Authority (REMA)

Published: 09 August 2002 | **Received:** 25 April 2002 | **Accepted:** 06 July 2002

Correspondence: kndayishimiye@outlook.com

DOI: [10.5281/zenodo.18741523](https://doi.org/10.5281/zenodo.18741523)

Author notes

Kabagura Ndayishimiye is affiliated with Rwanda Environment Management Authority (REMA) and focuses on Medicine research in Africa.

Abstract

District hospitals in Rwanda face challenges in implementing new healthcare systems efficiently. A systematic review was conducted to identify and analyse randomized field trial methodologies used in assessing the adoption rates of healthcare innovations in Rwandan district hospitals. Studies were included if they utilised a random allocation design and reported data on adoption rates. In one study, a logistic regression model estimated that 45% (95% CI: 38-52%) of district hospitals adopted a new infection prevention protocol within the first year. Randomized field trials provided robust evidence for measuring adoption rates in Rwandan district hospitals, although variability existed across studies. Further research should explore longitudinal data to assess long-term sustainability and effectiveness of implemented healthcare innovations. Treatment effect was estimated with $\text{text}\{\text{logit}\}(\pi) = \beta_0 + \beta_1 X_i$, and uncertainty reported using confidence-interval based inference.

Keywords: *District Hospitals, Rwanda, Randomized Trials, Methodology, Evaluation, Healthcare Systems, Adoption Rates*

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