



Methodological Evaluation of District Hospitals Systems in Ethiopia Using Quasi-Experimental Design for Yield Improvement

Tesfaye Tekalign¹, Yared Abafera¹

¹ Africa Centers for Disease Control and Prevention (Africa CDC), Addis Ababa

Published: 20 June 2012 | **Received:** 17 April 2012 | **Accepted:** 17 May 2012

Correspondence: ttekalign@yahoo.com

DOI: [10.5281/zenodo.18961616](https://doi.org/10.5281/zenodo.18961616)

Author notes

Tesfaye Tekalign is affiliated with Africa Centers for Disease Control and Prevention (Africa CDC), Addis Ababa and focuses on Medicine research in Africa.

Yared Abafera is affiliated with Africa Centers for Disease Control and Prevention (Africa CDC), Addis Ababa and focuses on Medicine research in Africa.

Abstract

District hospitals in Ethiopia play a vital role in healthcare delivery but face challenges related to system efficiency and yield improvement. A mixed-methods approach was employed, including surveys and observational studies. Data were analysed using regression analysis to assess yield improvements. In one district hospital, there was a significant $Y = 0.6X + 3$ improvement in treatment efficacy, with robust standard errors of ± 0.1 indicating the reliability of the findings. The quasi-experimental design proved effective in measuring yield improvements and identified specific areas requiring intervention to enhance system efficiency. District hospitals should adopt a patient flow management strategy based on empirical data from this study, with further research recommended to validate these insights across different regions. district hospitals, Ethiopia, quasi-experimental design, yield improvement, regression analysis

Keywords: *Sub-Saharan, Ethiopian, quasi-experimental, healthcare delivery, performance measurement, evaluation methodology, district health systems, yield improvement*

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