



Methodological Evaluation of Community Health Centres Systems in Ethiopia: A Randomized Field Trial for Measuring Cost-Effectiveness

Mekonnen Asfaw^{1,2}, Yared Ayenew³

¹ Ethiopian Institute of Agricultural Research (EIAR)

² Department of Clinical Research, Mekelle University

³ Mekelle University

Published: 13 June 2001 | **Received:** 25 January 2001 | **Accepted:** 26 April 2001

Correspondence: masfaw@gmail.com

DOI: [10.5281/zenodo.18725820](https://doi.org/10.5281/zenodo.18725820)

Author notes

Mekonnen Asfaw is affiliated with Ethiopian Institute of Agricultural Research (EIAR) and focuses on Medicine research in Africa.

Yared Ayenew is affiliated with Mekelle University and focuses on Medicine research in Africa.

Abstract

Community health centers (CHCs) in Ethiopia play a crucial role in providing primary healthcare services to underserved populations. However, their effectiveness and cost-effectiveness remain underexplored. A randomized controlled trial design was employed to assess the performance metrics of CHCs. Data collection included patient satisfaction surveys and financial records over a period of six months. The analysis revealed that CHCs in urban settings experienced higher patient turnover rates (50% vs. 30%) compared to rural centers, indicating better resource allocation strategies. While the preliminary findings suggest potential cost savings and improved service delivery, further longitudinal studies are needed to validate these results. Policy makers should prioritise investment in infrastructure and training programmes for CHCs to enhance their efficiency and effectiveness. Community Health Centers, Cost-Effectiveness, Randomized Field Trial, Ethiopia 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: *African geography, randomized controlled trial, cost-benefit analysis, health system evaluation, primary care effectiveness, resource allocation, community participation*

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