



Evaluating Community Health Centre Systems in Senegal: A Randomized Field Trial on Efficiency Enhancement

Evaluating Community Health Centre Systems in

DOI

[10.5281/zenodo.18942](https://doi.org/10.5281/zenodo.18942)

[678](#)

Aida Diop

Department of Epidemiology, Université Gaston Berger (UGB), Saint-Louis

Correspondence: adiop@yahoo.com

31

Received 27 January 2012

Accepted 22 May 2012

Abstract

Community health centres in Senegal face challenges in delivering efficient healthcare services. A randomized field trial was conducted to assess the performance of community health centres. Data collection included patient flow, service delivery time, and staff productivity measures. The analysis revealed an average improvement in service delivery times by 15% (95% CI: 8-23%) after intervention, indicating enhanced efficiency. Randomized field trials can effectively measure the impact of interventions on healthcare system efficiency. Future studies should consider scaling up these findings to broader geographic areas and incorporate feedback mechanisms for continuous improvement. Community Health Centres, Efficiency Enhancement, Randomized Field Trial, Senegal Treatment effect was estimated with $\text{text}\{\text{logit}\}(\pi) = \beta_0 + \beta^T p X_i$, and uncertainty reported using confidence-interval based inference.

Keywords: *African geography, community health systems, randomized trials, efficiency metrics, resource allocation, healthcare delivery, participatory assessment*

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