African Food Safety and Quality (Food Science/Health)

Methodological Assessment and Quasi-Experimental Evaluation of Community Health Centre Systems in Ethiopia: Clinical Outcomes Analysis

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Abstract

Community health centers in Ethiopia have been established to improve access to healthcare services, particularly for rural populations. A mixed-method approach combining quantitative data analysis with qualitative insights was employed. Clinical outcome measures were collected over two years from randomly selected healthcare centers, accounting for potential confounders such as socio-economic status and geographic location. The analysis revealed an average improvement of 15% in patient recovery rates across participating health centers compared to baseline levels (95% CI: [8%, 22%]). The quasi-experimental design demonstrated significant improvements in clinical outcomes, providing robust evidence for the effectiveness of community health centre systems. Further randomized controlled trials should be conducted to validate these findings and explore scalability across different regions of Ethiopia. Community Health Centers, Clinical Outcomes, Quasi-Experimental Design, Ethiopia Treatment effect was estimated with $text\{logit\}(\pi) = beta\,0 + \vec{\beta}\, p\, X_i$, and uncertainty reported using confidence-interval based inference.

Keywords: *Sub-Saharan, African, Variability, Quasi-experimental, Controlled, Intervention, Ethiopia*

ABSTRACT-ONLY PUBLICATION

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