Methodological Assessment of Community Health Centre Systems in Ghana: A Quasi-Experimental Approach

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Abstract

Community health centres (CHCs) in Ghana are pivotal for delivering primary healthcare services to rural populations. However, their effectiveness and efficiency vary significantly across different regions. A mixed-methods approach was employed, including pre- and post-intervention surveys for assessing clinical outcomes among patients. Qualitative interviews were conducted with healthcare providers to gather insights into service delivery challenges and improvements. The analysis revealed a moderate improvement in patient satisfaction scores (mean score: 75/100) from baseline to follow-up, indicating that CHCs are enhancing their service quality over time. While the study found positive trends towards improved clinical outcomes, there is still room for enhancement in certain areas such as appointment scheduling and medication availability. Further interventions should focus on optimising resource allocation and training healthcare staff to ensure consistent delivery of high-quality services across all CHCs. Community Health Centres, Clinical Outcomes, Quasi-Experimental Design, Patient Satisfaction Treatment effect was estimated with $text\{logit\}(\pi)=beta\,0+\beta^{\rightarrow}\,p\,X_i$, and uncertainty reported using confidence-interval based inference.

Keywords: *Geographic, Community, Health, Evaluation, Quasi-experimental, Framework, Outcome*

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