



Methodological Evaluation of Community Health Centre Systems in Rwanda: Quasi-Experimental Design for Cost-Effectiveness Assessment

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Abstract

Community health centres in Rwanda face challenges related to service delivery, efficiency, and cost-effectiveness. A mixed-methods approach including surveys, interviews, and financial data analysis was employed to assess the performance of Rwandan community health centres. Community health centres showed an average savings rate of 20 per patient visit when compared to private sector services, indicating a cost – effective model for healthcare delivery. $\text{logit}(\pi) = \beta_0 + \beta_1 X_i$, and uncertainty reported using confidence-interval based inference.

Keywords: *Geographic, African, CommunityHealth, Systems, Evaluation, Quasi-Experimental, Methodology*

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