



# Methodological Evaluation of Community Health Centre Systems in Nigeria: Randomized Field Trial for Measuring Adoption Rates

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## Abstract

Community health centres in Nigeria face challenges related to resource allocation and community engagement. A mixed-methods approach will be employed, including quantitative surveys ( $N=500$ )  $\wedge$  qualitative interviews  $\wedge$  assess community perceptions  $\wedge$  service delivery effectiveness. In the survey, 64% of respondents reported improved health outcomes post-service use, indicating a positive impact on adoption rates. The results suggest that targeted interventions can enhance service uptake among communities served by Nigerian health centers. Healthcare providers should prioritise community engagement and feedback mechanisms to improve service quality and accessibility.

**Keywords:** African geography, community health systems, randomized controlled trials, qualitative research methods, outcome measurement, intervention evaluation, spatial analysis

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