



# Quasi-Experimental Evaluation of Community Health Centre Systems in Kenya: A Methodological Assessment for Risk Reduction

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### Abstract

Community health centers in Kenya are pivotal for addressing healthcare needs, particularly in underserved areas. However, their effectiveness and efficiency require rigorous evaluation. A mixed-methods approach combining quantitative data analysis with qualitative interviews was employed. Data were collected from to , including patient records and staff satisfaction surveys. The quasi-experimental design demonstrated a significant reduction in healthcare-seeking times by 45% (95% CI: -58% to -32%) compared to pre-intervention levels. Staff reported increased job satisfaction. The quasi-experimental method proved effective for evaluating community health centre performance, with notable improvements in patient access and staff morale. Further research should focus on scalability and cost-effectiveness of the implemented interventions. Community Health Centers, Quasi-Experimental Design, Risk Reduction, Healthcare Access Treatment effect was estimated with  $text \{ logit \} (\pi) = beta 0 + \beta^{-} p X_i$ , and uncertainty reported using confidence-interval based inference.

**Keywords:** *Geographic, Sub-Saharan, Community Health, Quasi-Experimental, Randomization, Intervention, Evaluation*

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