



Evaluation of Quasi-Experimental Designs in Community Health Centre Systems in Uganda: A Methodological Assessment

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Abstract

Community health centres in Uganda have been established to address healthcare disparities within rural areas. However, their effectiveness and sustainability remain uncertain. Quasi-experimental methods were employed to assess intervention uptake across different health centres in Uganda. Data on staff training participation and patient service utilization were collected over a six-month period. Staff engagement with new training programmes varied significantly, with a median participation rate of 50% across all health centres, indicating moderate adoption rates. The quasi-experimental design provided valuable insights into the implementation challenges and potential barriers to intervention uptake in community health settings. Further research should explore factors influencing staff engagement and patient service utilization within these health centre systems. Treatment effect was estimated with $\text{logit}(\pi) = \beta_0 + \beta_1 X_i$, and uncertainty reported using confidence-interval based inference.

Keywords: African, Quasi-experimental, Evaluation, Methodology, Community Health, Sustainability, Adoption Rates

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