



Methodological Evaluation of District Hospitals Systems in Kenya: Quasi-Experimental Design for Measuring Adoption Rates

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Abstract

The evaluation of healthcare systems in developing countries often faces challenges related to data collection methods. A mixed-methods approach combining quantitative data from surveys with qualitative insights from interviews was employed. The study utilised logistic regression for analysing survey data and thematic analysis for interpreting qualitative responses. In one district hospital, adoption rates were found to be significantly higher in hospitals that implemented the technology through targeted training sessions (OR = 2.5; CI: 1.3-4.8). The mixed-methods approach provided a comprehensive understanding of the factors influencing technology adoption. Future studies should consider replicating this method in various districts to ensure generalizability and robustness.

Keywords: Kenya, Mixed Methods, Quasi-Experimental, Qualitative Inquiry, Quantitative Research, Healthcare Reform, Service Adoption

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