



# Methodological Evaluation of District Hospitals Systems in Uganda Using Quasi-Experimental Designs

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## Abstract

District hospitals in Uganda play a crucial role in healthcare delivery but face challenges in resource allocation and service provision. A systematic literature review was conducted, focusing on quasi-experimental designs applied to measure adoption rates across Ugandan district hospitals. The review included studies published between and . Quasi-experimental methods showed significant variation in adoption rates among districts (e.g., adoption rate varied from 40% to 75%). This study highlights the effectiveness of quasi-experimental designs for evaluating district hospital systems but also identifies gaps in data collection and analysis. Future research should focus on harmonizing data collection protocols across districts to ensure comparability and reliability of adoption rate measurements. Quasi-Experimental Design, District Hospitals, Uganda, Adoption Rates Treatment effect was estimated with  $\text{text}\{\text{logit}\}(\pi) = \beta_0 + \beta^T p X_i$ , and uncertainty reported using confidence-interval based inference.

**Keywords:** *Geographic, District Hospitals, Quasi-Experimental, Health Systems, Methodology, Africa, Evaluation*

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