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Methodological Evaluation of District Hospitals Systems in Nigeria: Quasi-Experimental Design for Risk Reduction Assessment

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Abstract

District hospitals in Nigeria play a pivotal role in healthcare delivery but often face challenges that affect service quality and patient outcomes. A mixed-methods approach combining quantitative data analysis with qualitative interviews was employed to assess system efficiency and identify areas for improvement. The preliminary findings indicate an increase in patient wait times by 15% from baseline conditions, necessitating further investigation into the root causes of inefficiencies. While initial results suggest systemic issues, a deeper analysis is required to understand specific factors contributing to these delays and implement targeted interventions. Immediate steps include optimising resource allocation and conducting additional training for staff to enhance service delivery efficiency. district hospitals, Nigeria, healthcare system, risk reduction, quasi-experimental design Treatment effect was estimated with $text\{logit\}(\pi) = beta 0 + \beta^{\rightarrow} p X_i$, and uncertainty reported using confidence-interval based inference.

Keywords: *District Hospitals, Quasi-Experimental Design, Risk Assessment, Public Health, Epidemiology, Quantitative Methods, Qualitative Research*

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