



Maternal Care Facilities Systems Evaluation in Nigeria: A Quasi-Experimental Study of Clinical Outcomes

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Abstract

Maternal care facilities in Nigeria face challenges related to service quality and outcomes. A quasi-experimental study was conducted using data from 120 healthcare centers across the country. The study employed a pre-post intervention analysis with control and treatment groups to measure clinical outcomes. The results indicated that facilities in urban areas had significantly better neonatal survival rates (85% vs. 70%, $p < 0.05$). This research provides evidence of the impact of different care systems on maternal and neonatal health outcomes. Investment should be prioritised in improving infrastructure and training for rural facilities to enhance clinical performance. Maternal Care, Quasi-Experimental Design, Clinical Outcomes, Nigeria Treatment effect was estimated with $\text{text}\{ \text{logit} \}(\pi) = \beta_0 + \beta_1 X_i$, and uncertainty reported using confidence-interval based inference.

Keywords: *Sub-Saharan, neonatal mortality, care quality assessment, quasi-experimental design, clinical outcomes measurement, health system evaluation, resource allocation*

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