



# Methodological Evaluation of Maternal Care Facilities in Kenya: A Systematic Literature Review

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## Abstract

Maternal care facilities in Kenya are crucial for child health outcomes, but their effectiveness varies widely. A systematic literature review was conducted using electronic databases to identify studies on maternal care facilities in Kenya. Studies were assessed for quality and methodology, including randomization techniques and statistical models used to measure clinical outcomes. One study employed a stratified random sampling method with a confidence interval of  $\pm 5\%$  for estimated mean differences in neonatal mortality rates between intervention and control groups. The review highlighted the need for standardised protocols and robust data collection methods to ensure valid evaluations of maternal care facilities' impact on child health outcomes. Health policymakers should prioritise methodological rigor when evaluating maternal care systems, particularly in resource-limited settings like Kenya. Treatment effect was estimated with  $\text{text}\{logit\}(\pi) = \beta_0 + \beta^T X_i$ , and uncertainty reported using confidence-interval based inference.

**Keywords:** *Sub-Saharan, randomized, trials, quality, assessment, interventions, outcomes*

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