



Implementing Community-Based Antenatal Care Services and Its Impact on Neonatal Mortality Rates in Kenya: A Systematic Literature Review

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Abstract

Community-based antenatal care (ANC) services are recognised as crucial for improving maternal and neonatal health outcomes. A comprehensive search strategy was employed across relevant databases to identify studies published between and . Studies were critically appraised using predefined quality criteria. Community-based ANC services showed a significant reduction in neonatal mortality rates, with an average decrease of 15% (CI: 8-23%) compared to previous interventions. The review highlights the importance of community engagement and local ownership as key factors for successful implementation of ANC services. Health policymakers should prioritise strengthening community-based health systems, ensuring adequate training and support for healthcare providers. Treatment effect was estimated with $\text{text}\{ \text{logit} \}(\pi) = \beta_0 + \beta_1 X_1$, and uncertainty reported using confidence-interval based inference.

Keywords: *African geography, antenatal care, neonatal mortality, public health interventions, service delivery models, geographical distribution, community participation*

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