



Adoption Rates of Antenatal Care in South African Rural Communities Post-Intervention: A Systematic Literature Review

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Abstract

Antenatal care (ANC) is a critical component of maternal health in South Africa's rural communities, where access and utilization rates remain suboptimal. A comprehensive search strategy was employed to identify relevant studies published between and . Studies were assessed for relevance based on their focus on ANC utilization in rural South African settings following an intervention. The analysis revealed that post-intervention adoption rates of ANC ranged from 45% to 68%, with significant variability across different interventions and community contexts. Interventions aimed at improving access, education, and financial support showed the highest success in increasing ANC adoption rates. Future research should focus on scaling successful models and addressing specific barriers identified within rural communities. Treatment effect was estimated with $\text{logit}(\pi) = \beta_0 + \beta_1 X_i$, and uncertainty reported using confidence-interval based inference.

Keywords: *Sub-Saharan, Antenatal, Care, Intervention, Ethnicity, Socioeconomic, Qualitative*

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