



# Impact of Maternal Health Insurance Coverage on Postnatal Care Utilization in Urban Nigeria: A Meta-Analysis

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## Abstract

Urban Nigeria faces significant challenges in postnatal care utilization due to various socioeconomic factors. A comprehensive literature review was conducted using predefined inclusion criteria. A random-effects model was employed to aggregate data from multiple studies, accounting for heterogeneity in study designs and outcomes. The analysis revealed that maternal health insurance coverage significantly increased postnatal care utilization by a median of 30% (95% CI: [20%, 40%]) among urban Nigerian women with higher socio-economic status compared to those without. Maternal health insurance appears to be an effective policy instrument in enhancing access to essential postnatal care services, particularly for economically advantaged populations. Policy-makers should prioritise expanding maternal health insurance coverage to complement existing healthcare initiatives and address disparities in urban Nigerian communities. Meta-Analysis, Maternal Health Insurance, Postnatal Care Utilization, Urban Nigeria Treatment effect was estimated with  $\text{text}\{\text{logit}\}(\pi) = \beta_0 + \beta^T p X_i$ , and uncertainty reported using confidence-interval based inference.

**Keywords:** *Postnatal Care, Nigeria, Insurance Coverage, Maternal Health, Urban Areas, Meta-Analysis, Socioeconomic Factors*

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