



Mobile Maternal Care Clinics and Neonatal Mortality Reduction in Eastern Uganda: A Strategic Perspective

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Abstract

Neonatal mortality in Eastern Uganda remains a significant public health concern despite efforts to reduce it through various interventions. A mixed-methods approach was employed, including data analysis from health records and qualitative interviews with healthcare workers and mothers. Mobile maternal care clinics were found to reduce neonatal mortality by approximately 15% in the study area, primarily through improved access to antenatal care and early birth preparedness information. Mobile maternal care clinics play a crucial role in mitigating neonatal mortality rates in Eastern Uganda, offering a sustainable solution for improving maternal and newborn health outcomes. Expanding the coverage of mobile maternal care clinics is recommended to reach more rural communities, thereby further reducing neonatal mortality. 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, Mobile Clinics, Maternal Health, Neonatal Mortality, Interventions, Community-Based, Epidemiology*

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