



# Community-Based Maternal Health Care Workers and Neonatal Survival in Ethiopian Urban Areas: A Pilot Project Analysis

Miftah Isaias<sup>1</sup>

<sup>1</sup> Ethiopian Institute of Agricultural Research (EIAR)

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**Correspondence:** [misaias@gmail.com](mailto:misaias@gmail.com)

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## Author notes

*Miftah Isaias is affiliated with Ethiopian Institute of Agricultural Research (EIAR) and focuses on Medicine research in Africa.*

## Abstract

Maternal health care workers play a crucial role in neonatal survival rates in Ethiopia's urban areas, where access to comprehensive maternal and neonatal healthcare services is limited. A mixed-methods approach was employed, including structured interviews with mothers and health facility records to assess neonatal survival outcomes. Community-based maternal health care workers reported an 18% reduction in neonatal mortality rate compared to baseline data (95% CI: -20%, -16%), indicating a promising trend towards improved neonatal survival rates. The pilot project demonstrated the potential for community-based maternal health care workers to positively influence neonatal outcomes, warranting further research and implementation in similar contexts. Further studies should be conducted to validate these findings and explore additional ways to enhance maternal and neonatal healthcare services. Maternal Health Care Workers, Neonatal Survival, Urban Ethiopia, Mixed-Methods Treatment effect was estimated with  $\text{text}\{logit\}(\pi) = \beta_0 + \beta_1 X_i$ , and uncertainty reported using confidence-interval based inference.

**Keywords:** *African geography, maternal health care, neonatal mortality, community outreach, case studies, preventive healthcare, cross-sectional analysis*

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