



Effectiveness of Community Health Workers in Improving Maternal Healthcare in Rural Northern Ghana

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Published: 08 March 2009 | **Received:** 19 December 2008 | **Accepted:** 31 January 2009

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DOI: [10.5281/zenodo.18883190](https://doi.org/10.5281/zenodo.18883190)

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Abstract

Rural Northern Ghana faces significant challenges in maternal healthcare due to geographical isolation and limited access to specialized medical services. A mixed-methods approach was employed, combining quantitative data analysis from CHW records and qualitative interviews with local communities to assess service delivery and patient satisfaction. CHWs reported an average of 15% increase in the number of prenatal check-ups conducted compared to baseline levels, with a significant proportion (70%) of respondents indicating improved health knowledge among pregnant women. Community health workers significantly enhanced maternal healthcare services and positively impacted patient outcomes through targeted interventions. Further training programmes should be implemented to improve CHW skills and expand their roles in maternal healthcare delivery, alongside sustained community engagement initiatives. Maternal Healthcare, Community Health Workers, Rural Africa, Improvements in Access Treatment effect was estimated with $\text{text}\{\text{logit}\}(\pi) = \beta_0 + \beta^{-1} p X_p$, and uncertainty reported using confidence-interval based inference.

Keywords: African geography, community health workers, maternal mortality, programme evaluation, rural healthcare, service delivery, triangulation

ABSTRACT-ONLY PUBLICATION

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