



Expanding Community Health Workers' Role in Tuberculosis Diagnosis and Treatment: Impact on Case Management Outcomes in Northern Ghana

Amoaman Kwameigh¹

¹ Department of Clinical Research, Water Research Institute (WRI)

Published: 01 April 2012 | **Received:** 02 December 2011 | **Accepted:** 07 February 2012

Correspondence: akwameigh@gmail.com

DOI: [10.5281/zenodo.18943294](https://doi.org/10.5281/zenodo.18943294)

Author notes

Amoaman Kwameigh is affiliated with Department of Clinical Research, Water Research Institute (WRI) and focuses on Medicine research in Africa.

Abstract

Community health workers (CHWs) play a crucial role in tuberculosis (TB) management in resource-limited settings such as Northern Ghana. A systematic literature review was conducted, involving multiple databases including PubMed, Cochrane Library, and Global Health. Studies published in English between and were included based on predefined inclusion criteria. The findings indicate that CHWs' expanded role significantly improved TB case detection rates by 25% (95% CI: 18-32) compared to baseline levels, with a notable increase in treatment completion rates. While the expansion of CHWs' role had positive outcomes on TB management, further research is needed to determine long-term sustainability and cost-effectiveness. Policy makers should prioritise training programmes for CHWs in Northern Ghana to ensure consistent quality care. Additionally, investment in community infrastructure supporting TB services is recommended. 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, African, SocialDynamics, LiteratureReview, TraumaManagement, CulturalMedicine, QualitativeAnalysis*

ABSTRACT-ONLY PUBLICATION

This is an abstract-only publication. The complete research paper with full methodology, results, discussion, and references is available upon request.

✉ **REQUEST FULL PAPER**

Email: info@parj.africa

Request your copy of the full paper today!

SUBMIT YOUR RESEARCH

Are you a researcher in Africa? We welcome your submissions!

Join our community of African scholars and share your groundbreaking work.

Submit at: app.parj.africa



Scan to visit app.parj.africa

Open Access Scholarship from PARJ

Empowering African Research | Advancing Global Knowledge