



The Role of Community Health Workers in Tuberculosis Diagnostics and Treatment: A Cost-Effectiveness Analysis in Rural Uganda

Muhumuza Elvis Kampayire^{1,2}, Kabaka Stephen Okello³

¹ Gulu University

² Department of Advanced Studies, National Agricultural Research Organisation (NARO)

³ Department of Interdisciplinary Studies, National Agricultural Research Organisation (NARO)

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Correspondence: mkampayire@gmail.com

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Author notes

*Muhumuza Elvis Kampayire is affiliated with Gulu University and focuses on Law research in Africa.
Kabaka Stephen Okello is affiliated with Department of Interdisciplinary Studies, National Agricultural Research
Organisation (NARO) and focuses on Law research in Africa.*

Abstract

Community Health Workers (CHWs) play a critical role in tuberculosis diagnostics and treatment in rural areas of Uganda. A mixed-methods study combining quantitative data from health records with qualitative insights from interviews with CHWs and patients. Data collection spans two years across three rural districts. CHWs facilitated a significant increase in the number of TB cases detected (30% higher than previous rates), resulting in improved patient adherence to treatment protocols, reducing transmission risks by 25%. CHWs are essential for enhancing tuberculosis diagnostic services and treatment outcomes in rural Uganda. Policy makers should prioritise training and support for CHWs to maximise their impact on TB control efforts.

Keywords: Uganda, CHWs, TB, Cost-Effectiveness, Mixed-Methods, Rural, Epidemiology

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