



Community Health Worker Training on Tuberculosis Prevention Strategies in Addis Ababa Suburbs: User Compliance Indices

Tekle Yohannes¹, Yared Asfaw²

¹ Department of Surgery, Addis Ababa Science and Technology University (AASTU)

² Department of Internal Medicine, Addis Ababa University

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Correspondence: tyohannes@yahoo.com

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Author notes

Tekle Yohannes is affiliated with Department of Surgery, Addis Ababa Science and Technology University (AASTU) and focuses on Medicine research in Africa.

Yared Asfaw is affiliated with Department of Internal Medicine, Addis Ababa University and focuses on Medicine research in Africa.

Abstract

Addis Ababa suburbs face significant challenges in tuberculosis (TB) prevention due to high TB incidence rates and limited healthcare resources. A mixed-methods approach was employed, including pre- and post-training assessments for CHWs and qualitative interviews to gauge user satisfaction and practical application of learned strategies. Users showed a significant improvement in knowledge about TB prevention ($p < 0.05$) with an average increase of 23% in correct responses on post-training tests, indicating enhanced understanding and potential better compliance. Training CHWs on TB prevention strategies led to improved user knowledge and could potentially enhance community-level TB control efforts. Further research should explore the long-term impact of such training programmes and identify best practices for sustaining user engagement with these interventions. Community Health Workers, Tuberculosis Prevention, User Compliance Indices 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, Anti-Tubercular, Therapeutic Adherence, Social Medicine, Qualitative Research, Community Health Workers, Treatment Non-Compliance*

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