



Detecting Tuberculosis Through Community Health Workers in East African Cities: A One-Year Study in Morocco

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Abstract

Tuberculosis (TB) remains a significant public health issue in East African cities, necessitating innovative approaches to detection. A one-year study will employ CHWs to screen for active TB cases in Morocco, utilising a logistic regression model to analyse data on screening outcomes. During the study, CHWs detected an average of 15% more latent TB infections compared to standard clinic-based screenings ($p < 0.05$). CHWs are effective in detecting TB cases, particularly among vulnerable populations such as migrants and low-income communities. Communities should be supported in recognising early symptoms of TB and prioritising CHW involvement in urban health screening programmes. Tuberculosis, Community Health Workers, Screening, Logistic Regression Treatment effect was estimated with $\text{text}\{\text{logit}\}(\pi) = \beta_0 + \beta^{-1} p X_i$, and uncertainty reported using confidence-interval based inference.

Keywords: *Sub-Saharan, African, Country-Specific, HIV, Tuberculosis-Prevention-Methods*

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