



Effectiveness of Community-Based Health Worker Programmes on Tuberculosis Treatment Adherence Among Women Farmers in Nairobi, Kenya

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Abstract

Tuberculosis (TB) remains a significant public health issue in Nairobi, Kenya, affecting women farmers who often face barriers to accessing and adhering to treatment. A mixed-methods approach was employed, including qualitative interviews with 30 women farmers and quantitative data from a survey of 150 participants. Data were analysed using descriptive statistics and thematic analysis. Among the surveyed women farmers, adherence to TB treatment varied significantly across different socio-economic groups, with lower adherence rates in economically disadvantaged areas (42% vs. 68%). Community-based health worker programmes showed promise in improving treatment adherence among female farmers but require targeted interventions for economically vulnerable populations. Tailored educational campaigns and community engagement strategies should be developed to address specific challenges faced by low-income women farmers. Tuberculosis, Women Farmers, Community Health Workers, Adherence, Nairobi Treatment effect was estimated with $\text{text}\{\text{logit}\}(\pi) = \beta_0 + \beta^T p X_i$, and uncertainty reported using confidence-interval based inference.

Keywords: Kenya, Community-Based Health Worker Programmes, Tuberculosis Treatment Adherence, Women Farmers, Mixed-Methods Approach, Geographic Focus, Public Health Impact, Social Determinants of Health

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