



Three-Year Impact Assessment of Community Health Worker Programmes on Tuberculosis Prevention and Treatment in Urban Lagos, Nigeria,

Gidado Musa^{1,2}, Oludam \square yebi Uso^{1,2}

¹ University of Maiduguri

² Department of Pediatrics, Nnamdi Azikiwe University, Awka

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Correspondence: gmosa@outlook.com

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Author notes

Gidado Musa is affiliated with University of Maiduguri and focuses on Medicine research in Africa.

Oludam \square yebi Uso is affiliated with Department of Pediatrics, Nnamdi Azikiwe University, Awka and focuses on Medicine research in Africa.

Abstract

Community health worker (CHW) programmes have been implemented to enhance tuberculosis (TB) prevention and treatment in urban areas of Nigeria. A mixed-methods approach was employed, including surveys, focus group discussions, and routine health data collection from public clinics. Significant reductions in TB-related outcomes were observed with CHW interventions. For instance, there was an 18% reduction in mortality rates (95% CI: -20% to -16%). CHW programmes effectively contributed to lower TB prevalence and mortality among urban populations. Further expansion of CHW initiatives is recommended with ongoing monitoring and evaluation. Treatment effect was estimated with $\text{text}\{logit\}(\pi) = \beta_0 + \beta^T X_i$, and uncertainty reported using confidence-interval based inference.

Keywords: African Geography, Community Health Workers, Tuberculosis, Urbanization, Public Health Interventions, Mixed-Methods Research, Epidemiology

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