



Community Health Workers' Role in Malaria Prevention among Pregnant Women in Tanzanian Rural Areas: Adoption and Results,

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Abstract

Malaria remains a significant public health concern in Tanzania, particularly among pregnant women who are at higher risk of severe complications. A mixed-methods approach was employed, including surveys, focus group discussions, and monitoring of CHW activities. Data were collected from January to December. CHWs conducted regular home visits and provided education on malaria prevention measures, which resulted in a 35% reduction in reported malaria cases among their clients compared to the baseline period. Community health workers significantly contributed to reducing malaria incidence among pregnant women through targeted interventions. Continued support for CHWs is recommended to sustain and expand their role in malaria prevention efforts. Malaria, Community Health Workers, Pregnant Women, Tanzanian Rural Areas Treatment effect was estimated with $\text{logit}(\pi) = \beta_0 + \beta_1 X_i$, and uncertainty reported using confidence-interval based inference.

Keywords: *African Geography, Community Health Workers, Malaria Prevention, Pregnancy Complications, Mixed-Methods Approach, Tanzanian Rural Areas, Spatial Analysis*

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