



Mosquito Net Adoption and Its Impact on Malaria Transmission in Zanzibar's Villages

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Abstract

Malaria remains a significant public health concern in Zanzibar's rural villages, particularly due to its vector control strategies that include insecticide-treated nets (ITNs). The research employed qualitative methods, including semi-structured interviews and focus group discussions with local residents and village leaders. A key finding was that while over 80% of households owned ITNs, only a third reported using them regularly due to discomfort and limited availability of nets in some areas. The study highlights the need for improved distribution systems and community engagement strategies to enhance ITN usage and impact on malaria control. Recommendations include strengthening ITN supply chains and implementing behavioural change campaigns focusing on net use and maintenance.

Keywords: *Geographical, Zanzibar, Vector Control, Insecticide-Treated Nets, Qualitative Research, Community Engagement, Cultural Anthropology*

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