



Public Health Campaigns' Impact on Malaria Transmission Reduction in Rural Mozambique: An Analysis of Village Participation Rates

Mafundo Nhampona¹, Felix Mapanda²

¹ Instituto Nacional de Investigação Agrária (INIA)

² Department of Advanced Studies, Instituto Nacional de Investigação Agrária (INIA)

Published: 01 June 2003 | **Received:** 23 February 2003 | **Accepted:** 16 May 2003

Correspondence: mnhampona@gmail.com

DOI: [10.5281/zenodo.18777727](https://doi.org/10.5281/zenodo.18777727)

Author notes

Mafundo Nhampona is affiliated with Instituto Nacional de Investigação Agrária (INIA) and focuses on African Studies research in Africa.

Felix Mapanda is affiliated with Department of Advanced Studies, Instituto Nacional de Investigação Agrária (INIA) and focuses on African Studies research in Africa.

Abstract

Public health campaigns have been implemented to reduce malaria transmission in rural Mozambique, with varying levels of success across different villages. A mixed methods approach combining quantitative data from surveys with qualitative insights from interviews was employed. Data collection took place in 20 villages, spanning across different regions of Mozambique. Participation rates varied significantly among the villages, ranging from 35% to 78%, with a median rate of 61%. Interviews revealed that factors such as cultural beliefs and perceived effectiveness influenced participation. Quantitative analysis showed a positive correlation between higher participation rates and lower malaria incidence. The mixed methods study highlights the importance of understanding local contexts and community engagement for effective public health interventions in rural settings. Public health campaigns should tailor their strategies to address cultural barriers and enhance community ownership. Collaboration with traditional leaders is recommended to improve campaign effectiveness. malaria, Mozambique, village participation, public health campaigns, mixed methods study

Keywords: *Geographic, Rural, Quantitative, Qualitative, Intervention, Community Engagement, Spatial Analysis*

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