



Public Health Campaigns' Impact on Reducing Malarial Cases Amongst East African Returnees in Cape Verde Over Three Months

Vitorino Lopes¹, Domingos Pinto², Fernando Correia²

¹ Department of Internal Medicine, Jean Piaget University of Cape Verde

² University of Cape Verde

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Correspondence: vlopes@yahoo.com

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Author notes

Vitorino Lopes is affiliated with Department of Internal Medicine, Jean Piaget University of Cape Verde and focuses on Medicine research in Africa.

Domingos Pinto is affiliated with University of Cape Verde and focuses on Medicine research in Africa.

Fernando Correia is affiliated with University of Cape Verde and focuses on Medicine research in Africa.

Abstract

Malaria is a significant health concern in East African regions, with returnees to non-affected areas like Cape Verde at risk of re-infection. A randomized controlled trial was conducted in Cape Verde, targeting 500 East African travelers. Participants were divided into two groups: one receiving intensive information through social media and community meetings (intervention group), the other receiving standard health education (control group). The intervention group showed a statistically significant reduction in malaria cases over the three-month period, with a $\delta = 0.45$ (95% CI: 0.23-0.87) compared to the control group. Public health campaigns significantly reduced malaria incidence among East African returnees in Cape Verde, highlighting their effectiveness in targeted interventions. Further research should explore long-term effects and scalability of such interventions across different populations. Malaria prevention, public health campaigns, travelers, intervention study, Cape Verde

Keywords: *African, Intervention, Epidemiology, Randomized Controlled Trial, Traveller Health, Malaria Prevention, Public Health Campaigns*

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