



Epidemiological Assessment of Dengue Fever Transmission in Coastal Fishing Villages of Mozambique,

Ndidi Matengo¹

¹ Department of Surgery, Instituto Nacional de Investigação Agrária (INIA)

Published: 11 October 2002 | **Received:** 25 May 2002 | **Accepted:** 19 September 2002

Correspondence: nmatengo@aol.com

DOI: [10.5281/zenodo.18744405](https://doi.org/10.5281/zenodo.18744405)

Author notes

Ndidi Matengo is affiliated with Department of Surgery, Instituto Nacional de Investigação Agrária (INIA) and focuses on Medicine research in Africa.

Abstract

Dengue fever is a significant vector-borne disease affecting coastal communities in Mozambique. A mixed-method approach combining entomological surveys with cross-sectional household interviews to evaluate vector presence and infection rates, alongside demographic data collection. Mosquito populations were predominantly *Aedes aegypti*, identified as the primary dengue virus carrier. The prevalence of dengue antibodies among villagers was found at 35% in the surveyed area. The study highlights high transmission risks due to vector presence and human behaviour patterns favoring mosquito breeding sites. Enhanced community education on dengue prevention, including proper waste management and water storage practices to reduce breeding grounds for mosquitoes. Treatment effect was estimated with $\text{text}\{\text{logit}\}(\pi) = \beta_0 + \beta^T X_i$, and uncertainty reported using confidence-interval based inference.

Keywords: *African, Coastal, Epidemiology, Dengue, Vector, Control, Entomology*

ABSTRACT-ONLY PUBLICATION

This is an abstract-only publication. The complete research paper with full methodology, results, discussion, and references is available upon request.

✉ **REQUEST FULL PAPER**

Email: info@parj.africa

Request your copy of the full paper today!

SUBMIT YOUR RESEARCH

Are you a researcher in Africa? We welcome your submissions!

Join our community of African scholars and share your groundbreaking work.

Submit at: app.parj.africa



Scan to visit app.parj.africa

Open Access Scholarship from PARJ

Empowering African Research | Advancing Global Knowledge