



Adoption and Performance of Mobile Health Apps in Malaria Prevention Among Urban Youth in Nairobi Slums, Kenya

Mavis Kinyanjui¹, Oscar Mwai^{1,2}, Nathan Otwai^{1,3}

¹ Moi University

² Department of Epidemiology, University of Nairobi

³ University of Nairobi

Published: 12 June 2006 | **Received:** 02 February 2006 | **Accepted:** 27 May 2006

Correspondence: mkinyanjui@gmail.com

DOI: [10.5281/zenodo.18824231](https://doi.org/10.5281/zenodo.18824231)

Author notes

Mavis Kinyanjui is affiliated with Moi University and focuses on Medicine research in Africa.

Oscar Mwai is affiliated with Moi University and focuses on Medicine research in Africa.

Nathan Otwai is affiliated with University of Nairobi and focuses on Medicine research in Africa.

Abstract

Mobile health apps are increasingly used for educational purposes in urban communities to promote public health interventions. A mixed-methods approach incorporating quantitative surveys and qualitative interviews was employed to gather data from a sample population. Among the surveyed participants ($n=300$), 78% reported using at least one mobile health app for malaria prevention information.

The majority found apps helpful in understanding disease transmission but noted technical issues hindered their use, with an average of 2-3 bugs per app encountered. Despite the widespread adoption of mobile health apps, significant challenges related to functionality and user experience remain. Developers should prioritise bug fixing and improving user interface for enhanced usability. Public health educators could integrate feedback from users into future app development cycles.

Keywords: African geography, mobile health, app adoption, qualitative research, urban youth, public health intervention, malaria prevention

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