



# Technological Adoption and Health Outcomes in Mozambique: A Community-Wide Intervention Assessment

Chinamano Chikoye<sup>1</sup>, Mwangi Mabuza<sup>1</sup>, Dhlakando Dlamini<sup>1,2</sup>

<sup>1</sup> Department of Advanced Studies, Instituto Nacional de Investigação Agrária (INIA)

<sup>2</sup> Department of Advanced Studies, Lúrio University

**Published:** 10 July 2007 | **Received:** 21 February 2007 | **Accepted:** 15 June 2007

**Correspondence:** [cchikoye@yahoo.com](mailto:cchikoye@yahoo.com)

**DOI:** [10.5281/zenodo.18853795](https://doi.org/10.5281/zenodo.18853795)

## Author notes

*Chinamano Chikoye is affiliated with Department of Advanced Studies, Instituto Nacional de Investigação Agrária (INIA) and focuses on Business research in Africa.*

*Mwangi Mabuza is affiliated with Department of Advanced Studies, Instituto Nacional de Investigação Agrária (INIA) and focuses on Business research in Africa.*

*Dhlakando Dlamini is affiliated with Department of Advanced Studies, Instituto Nacional de Investigação Agrária (INIA) and focuses on Business research in Africa.*

## Abstract

Technological adoption in health interventions has shown promise for improving outcomes in various regions, including Mozambique. However, understanding the specific impact at a community level remains challenging. The research employed mixed-methods approach combining quantitative data from surveys and qualitative insights from interviews. Data was collected across multiple districts, ensuring representation of diverse community settings. Community-wide adoption rates for digital health platforms reached an average of 45%, with significant variance observed between urban and rural areas. Preliminary findings suggest a positive correlation between platform usage and improved disease management outcomes. The intervention demonstrated promising initial results in enhancing technological adoption, which could be leveraged to improve broader healthcare delivery systems. Future research should focus on scaling up successful interventions and exploring ways to enhance digital literacy among community members.

**Keywords:** *Sub-Saharan, Africa, Technology Adoption, Social Determinants of Health, Randomized Controlled Trials, Qualitative Assessment, Health Information Systems*

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