



Improving Diarrhea Prevention in Northern Tanzania: Adherence and Outcomes Through Community Health Workshops

Kamwili Chituco¹

¹ Tanzania Wildlife Research Institute (TAWIRI)

Published: 19 July 2004 | **Received:** 13 April 2004 | **Accepted:** 04 June 2004

Correspondence: kchituco@yahoo.com

DOI: [10.5281/zenodo.18795157](https://doi.org/10.5281/zenodo.18795157)

Author notes

Kamwili Chituco is affiliated with Tanzania Wildlife Research Institute (TAWIRI) and focuses on Medicine research in Africa.

Abstract

Diarrhea is a significant public health issue in Northern Tanzania, where inadequate sanitation facilities and hygiene practices lead to high rates of infection. A mixed-methods approach was employed, including pre- and post-workshop surveys to measure changes in knowledge, attitudes, and behaviors regarding diarrhea prevention. Quantitative data were analysed using chi-square tests for categorical variables and t-tests for continuous variables. Adherence rates increased by 35% among participants who attended the workshops compared to those who did not ($p < 0.01$), with a significant reduction in reported cases of diarrhea after the intervention. The community health workshops significantly improved adherence to recommended hygiene practices, resulting in measurable reductions in diarrhea incidence. Further implementation should include regular follow-up sessions and integration into existing healthcare systems to sustain improvements. Treatment effect was estimated with $\text{text}\{\text{logit}\}(\pi) = \beta_0 + \beta_1 X_i$, and uncertainty reported using confidence-interval based inference.

Keywords: *Sub-Saharan, African, Gastrointestinal, CommunityHealth, Sanitation, Hygiene, Intervention, Epidemiology, Qualitative, Quantitative, Prevention, Control, Diarrhea Prevention, Public Health*

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