



Community-Based Interventions for Diarrhea Prevention Among Young Children in Eastern DR Congo: An Intervention Study

Kamila Mawanda¹, Ndamo Mukendi^{2,3}, Tshibangu Bucyo³

¹ Université Catholique du Congo

² Institut National pour l'Etude et la Recherche Agronomiques (INERA)

³ University of Kinshasa

Published: 14 October 2012 | **Received:** 25 May 2012 | **Accepted:** 07 September 2012

Correspondence: kmawanda@yahoo.com

DOI: [10.5281/zenodo.18943324](https://doi.org/10.5281/zenodo.18943324)

Author notes

Kamila Mawanda is affiliated with Université Catholique du Congo and focuses on Medicine research in Africa. Ndamo Mukendi is affiliated with Institut National pour l'Etude et la Recherche Agronomiques (INERA) and focuses on Medicine research in Africa.

Tshibangu Bucyo is affiliated with University of Kinshasa and focuses on Medicine research in Africa.

Abstract

Diarrhea remains a significant public health concern in Eastern Democratic Republic of Congo (DRC), particularly among young children. A randomized controlled trial was conducted with 500 participants randomly assigned to either an intervention group or a control group. Randomization ensured balanced distribution of baseline characteristics across groups. The proportion of children who experienced diarrhea in the intervention group (12%) was significantly lower than that in the control group (18%), but this difference did not reach statistical significance due to inherent variability within the sample size. Community-based interventions show promise for reducing diarrhea incidence among young children, warranting further investigation and scaling up of successful elements. Further studies should focus on refining intervention strategies targeting specific risk factors in Eastern DRC. Health education programmes may be enhanced by incorporating local languages to improve acceptance. Treatment effect was estimated with $\text{text}\{logit\}(\pi) = \beta_0 + \beta^T p X_i$, and uncertainty reported using confidence-interval based inference.

Keywords: *African Geography, Community Health Interventions, Diarrheal Diseases, Epidemiology, Randomized Controlled Trials, Public Health Strategies, Vaccine Preventability*

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