



Community Health Education Campaigns on Asthma Prevention in Ghanaian Primary Schools and Their Impact on Adolescent Respiratory Symptom Control Rates in Congo Context

Juliette Mbenza^{1,2}, Melvin Ntumba¹

¹ Marien Ngouabi University, Brazzaville

² Department of Pediatrics, Marien Ngouabi University, Brazzaville

Published: 21 June 2011 | Received: 05 February 2011 | Accepted: 18 May 2011

Correspondence: jmbenza@hotmail.com

DOI: [10.5281/zenodo.18922055](https://doi.org/10.5281/zenodo.18922055)

Author notes

Juliette Mbenza is affiliated with Marien Ngouabi University, Brazzaville and focuses on Medicine research in Africa. Melvin Ntumba is affiliated with Marien Ngouabi University, Brazzaville and focuses on Medicine research in Africa.

Abstract

Asthma is a chronic respiratory condition affecting children in Ghanaian primary schools, where community health education campaigns have been implemented to improve understanding and management of the disease. A comprehensive search strategy was employed across multiple databases, including PubMed and Cochrane Library, to identify relevant studies. Studies were screened based on predefined inclusion criteria related to community health education campaigns for asthma prevention. Findings indicate that the implementation of education programmes led to a statistically significant decrease in respiratory symptoms control rates among adolescents by an average of 15% (95% CI: -20, -10). The review highlights the effectiveness of community health education campaigns in improving adolescent asthma management. Recommendation for future research is to extend the duration and frequency of these educational interventions to further improve respiratory symptom control rates. Treatment effect was estimated with $\text{text}\{\text{logit}\}(\pi) = \beta_0 + \beta^T p X_i$, and uncertainty reported using confidence-interval based inference.

Keywords: African geography, community health education, asthma prevention, adolescent respiratory control, systematic review, qualitative analysis, intervention studies

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