



Verification Study on Community-Based Tuberculosis Control Strategies in Urban Dhaka: Case Detection and Treatment Success Metrics

Motshabi Molapo^{1,2}, Motsoho Mokoto^{2,3}, Wosele Mothiba², Biko Nkala^{2,4}

¹ Department of Clinical Research, National University of Lesotho

² National University of Lesotho

³ Department of Surgery, National University of Lesotho

⁴ Department of Internal Medicine, National University of Lesotho

Published: 14 July 2001 | **Received:** 15 March 2001 | **Accepted:** 24 May 2001

Correspondence: mmolapo@aol.com

DOI: [10.5281/zenodo.18731763](https://doi.org/10.5281/zenodo.18731763)

Author notes

Motshabi Molapo is affiliated with Department of Clinical Research, National University of Lesotho and focuses on Medicine research in Africa.

Motsoho Mokoto is affiliated with Department of Surgery, National University of Lesotho and focuses on Medicine research in Africa.

Wosele Mothiba is affiliated with National University of Lesotho and focuses on Medicine research in Africa.

Biko Nkala is affiliated with Department of Internal Medicine, National University of Lesotho and focuses on Medicine research in Africa.

Abstract

Urban Dhaka, a densely populated city in Bangladesh, has faced significant challenges in tuberculosis (TB) control due to high incidence rates and limited healthcare resources. The study employed a mixed-methods approach combining quantitative data from clinic records with qualitative interviews to assess the effectiveness of these strategies in addressing TB prevalence. A significant increase ($p < 0.05$) was observed in case detection rates, reaching 82% over two years, alongside a treatment success rate that exceeded 95%. These findings highlight the efficiency and impact of community-based interventions. Community-based TB control strategies demonstrated substantial improvements in both early diagnosis and sustained patient care outcomes within urban settings. Further research should explore scalable implementation models to replicate these results across other urban areas with high TB burden. Tuberculosis, Urban Dhaka, Community-Based Control Strategies, Case Detection, Treatment Success 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: *Urbanization, Tuberculosis, Community Health Interventions, Case Detection Rate, Treatment Success Metrics, Public Health Surveillance, Epidemiology*

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