



UK Tuberculosis Control Programmes in Kenyan Children's Hospitals: A Ten-Year Meta-Analysis

Chirchir Otieno¹

¹ University of Nairobi

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Correspondence: cotieno@outlook.com

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Author notes

Chirchir Otieno is affiliated with University of Nairobi and focuses on Medicine research in Africa.

Abstract

UK tuberculosis control programmes in Kenyan children's hospitals have been implemented to address a significant public health challenge. A systematic review method was employed, including quantitative synthesis of existing studies on pediatric tuberculosis control in Kenyan hospitals. Data analysis revealed an overall reduction of 15% in new TB cases among children enrolled in the programmes compared to those not participating. The UK tuberculosis control programmes have demonstrated a modest but significant impact, although variability exists between different hospitals. Further research and targeted interventions are recommended to enhance programme efficacy and accessibility across all Kenyan hospitals. Pediatric Tuberculosis Control, Meta-Analysis, Public Health Interventions, Hospital Programmes, Kenya Treatment effect was estimated with $\text{logit}(\pi) = \beta_0 + \beta_1 X_i$, and uncertainty reported using confidence-interval based inference.

Keywords: *Geographic, Sub-Saharan, Tuberculosis, Meta-analysis, Public health, Children, Hospitals*

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