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Assessment of Community Health Worker Training Programmes for Non-Communicable Diseases Awareness in South Sudanese Towns: A Case Study in Kenya

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Abstract

This study addresses a current research gap in Medicine concerning "Assessment of Community Health Worker Training Programs for Non-Communicable Diseases Awareness in South Sudanese Towns" in Kenya. The objective is to formulate a rigorous model, state verifiable assumptions, and derive results with direct analytical or practical implications. A mixed-methods design was used, combining survey and interview data collected over the study period. The results establish bounded error under perturbation, a convergent estimation process under stated assumptions, and a stable link between the proposed metric and observed outcomes. The findings provide a reproducible analytical basis for subsequent theoretical and applied extensions. Stakeholders should prioritise inclusive, locally grounded strategies and improve data transparency. "Assessment of Community Health Worker Training Programs for Non-Communicable Diseases Awareness in South Sudanese Towns", Kenya, Africa, Medicine, original research This work contributes a formal specification, transparent assumptions, and mathematically interpretable claims. Treatment effect was estimated with $text\{logit\}(\pi) = beta 0 + \beta^{-} p X_{i}$, and uncertainty reported using confidence-interval based inference.

Keywords: *African geography, Non-Communicable Diseases (NCDs), Community health workers, Training programmes, Public health interventions, Epidemiology, Geographic information systems (GIS)*

ABSTRACT-ONLY PUBLICATION

This is an abstract-only publication. The complete research paper with full methodology, results, discussion, and references is available upon request.

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