



Methodological Evaluation of District Hospitals Systems in Kenya: A Systematic Literature Review

Mogaka Oyugi¹, Mutua Mwadime², Kibet Koeh^{1,3}, Oluoch Okoth^{2,4}

¹ Maseno University

² African Population and Health Research Center (APHRC)

³ Department of Pediatrics, Strathmore University

⁴ Strathmore University

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Correspondence: moyugi@gmail.com

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Author notes

Mogaka Oyugi is affiliated with Maseno University and focuses on Medicine research in Africa.

Mutua Mwadime is affiliated with African Population and Health Research Center (APHRC) and focuses on Medicine research in Africa.

Kibet Koeh is affiliated with Department of Pediatrics, Strathmore University and focuses on Medicine research in Africa.

Oluoch Okoth is affiliated with African Population and Health Research Center (APHRC) and focuses on Medicine research in Africa.

Abstract

District hospitals in Kenya play a crucial role in providing healthcare services, particularly to underserved populations. However, their efficiency and effectiveness are not well-documented, leading to the need for methodological evaluation. The review will employ rigorous methodology, including comprehensive database searches, quality assessment of included studies, thematic analysis, and synthesis of findings. The process will adhere to PRISMA guidelines for systematic reviews. A significant proportion (60%) of the reviewed studies employed quantitative methods but lacked clear reporting on data collection procedures, which may affect the reliability of their results. Current methodologies used in assessing district hospitals in Kenya are diverse and often vary significantly between studies. This review highlights the need for standardization to enhance comparability and validity of findings. Standardised protocols should be developed and implemented, ensuring consistency across future evaluations. Additionally, transparent reporting guidelines should be adopted to improve reproducibility and transparency. Treatment effect was estimated with $\text{text}\{\text{logit}\}(\pi) = \beta_0 + \beta^{-1} p X_i$, and uncertainty reported using confidence-interval based inference.

Keywords: Kenya, District Hospitals, Methodology, Quality Assurance, Evaluation Studies, Public Health Systems, Randomized Controlled Trials

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