



Methodological Evaluation of Rural Clinics Systems in Ghana: A Systematic Literature Review

Kofi Asante¹, Abena Yebo², Yaw Owusu^{3,4}

¹ Department of Surgery, University for Development Studies (UDS)

² Accra Technical University

³ Department of Clinical Research, Noguchi Memorial Institute for Medical Research

⁴ Department of Clinical Research, Accra Technical University

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Correspondence: kasante@hotmail.com

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Author notes

Kofi Asante is affiliated with Department of Surgery, University for Development Studies (UDS) and focuses on Medicine research in Africa.

Abena Yebo is affiliated with Accra Technical University and focuses on Medicine research in Africa.

Yaw Owusu is affiliated with Department of Clinical Research, Noguchi Memorial Institute for Medical Research and focuses on Medicine research in Africa.

Abstract

Rural healthcare in Ghana faces significant challenges, including inadequate infrastructure and resources. A comprehensive search of medical literature databases was conducted using specific keywords. Methodological quality assessment tools were applied to selected studies for robust evaluation. Findings suggest that a majority (80%) of the reviewed studies utilised randomized field trials, with significant variability in sample sizes and baseline characteristics. The review highlights the importance of standardised methodologies in rural clinic evaluations to ensure reliable clinical outcome measurements. Standardization of protocols is recommended for future research in Ghanaian rural clinics to enhance comparability and generalizability of results. Treatment effect was estimated with $\text{text}\{logit\}(\pi) = \beta_0 + \beta^T p X$, and uncertainty reported using confidence-interval based inference.

Keywords: *Geography, Africa, Rural, Social-Ecological, Systems, Variability, Qualitative-Methods*

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