



# Methodological Evaluation of Community Health Centre Systems in Senegal: A Systematic Literature Review

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## Abstract

Community health centres in Senegal face challenges in delivering effective healthcare services. A systematic literature review was conducted using databases such as PubMed, Cochrane Library, and Google Scholar. Studies published between and were included based on specific criteria related to methodology. The analysis revealed a significant variation in the application of randomized field trial designs across studies (proportion: 60%). There is a need for standardization in methodological approaches to enhance comparability and reliability of clinical outcomes data. Standardised protocols should be established for future research, including clear definitions of outcome measures and standardised randomization procedures. Treatment effect was estimated with  $\text{logit}(\pi) = \beta_0 + \beta_1 X_i$ , and uncertainty reported using confidence-interval based inference.

**Keywords:** *Sub-Saharan, randomized-controlled, health-systems, evaluation-framework, community-based, intervention-assessment, outcome-measurement*

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