



Methodological Evaluation of Emergency Care Systems in Ghana: A Systematic Literature Review

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Abstract

Recent studies have highlighted the need for improved emergency care systems in Ghana, particularly in rural areas where access to healthcare is limited. The review employs a comprehensive search strategy across multiple databases, including PubMed and Scopus. Studies are critically appraised using predefined criteria for quality assessment. A thematic analysis revealed that most studies focused on single-site evaluations with small sample sizes ($n = 50 - 200$ patients), *limiting generalizability*. While the reviewed literature provides insights into ECUs in Ghana, it suffers from methodological weaknesses such as inadequate control groups and non-standardised data collection methods. Future research should adopt a multi-centre design with robust statistical models to enhance external validity and reliability of findings.

Keywords: *African geography, emergency medicine, qualitative research, randomized controlled trials, outcome assessment, service evaluation, systematic review*

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