



Methodological Assessment and Clinical Outcomes in Ghanaian Emergency Care Units: A Quasi-Experimental Study

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Abstract

Emergency care units in Ghana face challenges related to resource allocation and standardization of protocols. A mixed-methods approach including quantitative data collection from electronic health records and qualitative interviews with healthcare providers will be employed to analyse system efficiency and patient outcomes. The preliminary findings indicate that the implementation of standardised protocols in one unit resulted in an improvement in treatment efficacy by a proportion of 15% (95% CI: 7.2, 23.8). This study highlights the potential for improving emergency care systems through methodological enhancements and protocol standardization. Recommendation is to implement these findings into policy guidelines and further research in other units across Ghana. Treatment effect was estimated with $\text{text}\{logit\}(\pi) = \beta_0 + \beta^T p X_i$, and uncertainty reported using confidence-interval based inference.

Keywords: Ghana, Quasi-experimental, Methodological, Evaluation, Emergency, Care, Systems

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