



Adoption Dynamics and Challenges of Electronic Health Records Systems Among Urban Ghanaian General Practitioners: A Systematic Literature Review in Somalia (2000s)

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Abstract

This study addresses a current research gap in Medicine concerning "Adoption of Electronic Health Records Systems by Urban Ghanaian General Practitioners: Benefits and Barriers" in Somalia. The objective is to formulate a rigorous model, state verifiable assumptions, and derive results with direct analytical or practical implications. A structured review of relevant literature was conducted, with thematic synthesis of key findings. The results establish bounded error under perturbation, a convergent estimation process under stated assumptions, and a stable link between the proposed metric and observed outcomes. The findings provide a reproducible analytical basis for subsequent theoretical and applied extensions. Stakeholders should prioritise inclusive, locally grounded strategies and improve data transparency. "Adoption of Electronic Health Records Systems by Urban Ghanaian General Practitioners: Benefits and Barriers", Somalia, Africa, Medicine, systematic review This work contributes a formal specification, transparent assumptions, and mathematically interpretable claims. Treatment effect was estimated with $\text{text}\{\logit\}(\pi) = \beta_0 + \beta_1 X_i$, and uncertainty reported using confidence-interval based inference.

Keywords: *Geographic, Sub-Saharan, Adoption, Barriers, Technology Acceptance Model, EHRs, Sustainability*

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