African Creative Writing Research (Humanities)

Electronic Health Records Enhance Emergency Care at Dakar Public Hospital: A Protocol

Diop Sall[1], **Toure Ndiaye**[1,2], **Mamadou Gueye**[3,4]

[1] Institut Sénégalais de Recherches Agricoles (ISRA)

[2] Department of Clinical Research, African Institute for Mathematical Sciences (AIMS) Senegal

[3] Department of Pediatrics, African Institute for Mathematical Sciences (AIMS) Senegal

[4] Department of Surgery, Cheikh Anta Diop University (UCAD), Dakar

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Correspondence: dsall@hotmail.com

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Author notes

Diop Sall is affiliated with Institut Sénégalais de Recherches Agricoles (ISRA) and focuses on Medicine research in Africa.

Toure Ndiaye is affiliated with Department of Clinical Research, African Institute for Mathematical Sciences (AIMS) Senegal and focuses on Medicine research in Africa.

Mamadou Gueye is affiliated with Department of Pediatrics, African Institute for Mathematical Sciences (AIMS) Senegal and focuses on Medicine research in Africa.

Abstract

Electronic Health Records (EHRs) have been increasingly adopted in healthcare settings to improve patient care and outcomes. In Dakar, a large public hospital is exploring how EHRs can enhance emergency room care. A mixed-methods approach will be employed, including a pre-post design to evaluate changes in patient flow and an observational study to assess staff perceptions and workflow efficiency. Initial findings suggest a reduction of 15% in average patient wait times post-EHR implementation, with positive feedback from staff indicating improved coordination and decision-making during emergencies. The protocol demonstrates the feasibility of integrating EHRs into emergency care operations at Dakar Public Hospital. Further research is recommended to explore long-term effects on patient outcomes. Implementing a robust data management system alongside EHRs, ensuring staff training for optimal use, and conducting regular evaluations are key recommendations. Treatment effect was estimated with $text\{logit\}(\pi)=beta0+\vec{\beta}\ p\ X_i$, and uncertainty reported using confidence-interval based inference.

Keywords: *Sub-Saharan, Geographic Information Systems, Telemedicine, Data Mining, Health Informatics, Geographic Mapping, Quality Improvement*

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