



Digital Health Literacy Training for Chronic Pain Management in Dakar: Patient Outcomes and Remote Consultation Frequency Analysis

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Abstract

This study addresses a current research gap in Medicine concerning 9. Digital Health Literacy Training for Chronic Pain Management in Senegal's Capital City: Patient Outcomes and Remote Consultation Use Frequency in Senegal. The objective is to formulate a rigorous model, state verifiable assumptions, and derive results with direct analytical or practical implications. A structured analytical approach was used, integrating formal modelling with domain evidence. 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. 9. Digital Health Literacy Training for Chronic Pain Management in Senegal's Capital City: Patient Outcomes and Remote Consultation Use Frequency, Senegal, Africa, Medicine, brief report This work contributes a formal specification, transparent assumptions, and mathematically interpretable claims. 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, Chronic Pain, Health Literacy, Telemedicine, E-health, Patient Engagement, Data Analytics*

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