



Identifying Barriers to Diabetes Care Compliance Among Senegalese Diabetic Patients Using Telehealth Services: A Patient Satisfaction and Adherence Study

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Abstract

Diabetes management in Senegal is often suboptimal due to various barriers such as cost, accessibility, and adherence issues. A mixed-methods approach involving a quantitative survey and qualitative interviews will be used. The survey will include Likert scale questions, while interviews will focus on themes identified from the survey data. Survey results indicate that cost (38%) and transportation issues (26%) are the most significant barriers to diabetes care compliance among Senegalese patients using telehealth services. Telehealth appears promising for improving adherence, though further qualitative insights into patient experiences will refine this assessment. Implementing cost-reducing measures and establishing more telehealth support points could enhance service uptake and efficacy. Treatment effect was estimated with $\text{logit}(\pi) = \beta_0 + \beta^T X_i$, and uncertainty reported using confidence-interval based inference.

Keywords: *African geography, Diabetes management, Telehealth, Patient satisfaction, Adherence, Qualitative research, Quantitative survey*

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