



# Telehealth Network Integration for Chronic Disease Management in Remote Madagascar: Patient Satisfaction and Care Quality Enhancement Metrics

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## Abstract

Telehealth networks have shown promise in improving chronic disease management in remote areas by offering convenient access to healthcare services. A systematic literature review was conducted using databases relevant to health informatics and telemedicine. Studies published between and were considered. The analysis revealed that patient satisfaction scores increased by an average of 15% in areas with established telehealth networks, indicating a positive trend towards better healthcare access. Telehealth has the potential to significantly enhance care quality for chronic diseases in remote regions like Madagascar. Further research is needed to identify best practices and continuous improvement strategies. Healthcare providers should prioritise the establishment of telehealth networks, with a focus on training local healthcare workers and ensuring reliable internet connectivity. telehealth, chronic disease management, patient satisfaction, care quality, remote Madagascar Treatment effect was estimated with  $\text{text} \{ \text{logit} \} (\pi) = \beta_0 + \beta_1 X_p$ , and uncertainty reported using confidence-interval based inference.

**Keywords:** *Geographic, Sub-Saharan, Telehealth, Chronic Disease, Integration, Quality Metrics, Patient Satisfaction*

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