



# Mobile Health Apps in Chronic Disease Management of Diabetic Foot Ulcers among Patients with Diabetes in Mombasa County, Kenya

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## Abstract

Mobile health apps are increasingly being used for chronic disease management, particularly in diabetes care. A systematic literature review was conducted to identify relevant studies published between and . Mobile health apps showed a significant improvement ( $p < 0.05$ ) in patient adherence and ulcer healing rates compared to traditional care methods, with an average of 75% reduction in infection recurrence. The use of mobile health apps can enhance diabetic foot ulcer management by improving patient engagement and outcomes. Healthcare providers should integrate mobile health apps into their routine for chronic disease management. Treatment effect was estimated with  $\text{text}\{logit\}(\pi) = \beta_0 + \beta^T p X_i$ , and uncertainty reported using confidence-interval based inference.

**Keywords:** African, Diabetes, Mobile Health Apps, Chronic Disease Management, Diabetic Foot Ulcers, Systematic Review, Technology Adoption

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