



# Adoption Rates and Patient Compliance with Digital Prescription Systems in Nigerian Community Healthcare Centres,

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## Abstract

This study examines the adoption rates and patient compliance with digital prescription systems in Nigerian community healthcare centers. A comprehensive search strategy was employed using electronic databases, including PubMed and Scopus. Studies published between January and December were included based on predefined inclusion criteria. The findings indicate a moderate adoption rate of digital prescription systems (58% compliance across all healthcare centers studied). Patient non-compliance was most prevalent among elderly patients (>65 years old) with low literacy rates, suggesting the need for tailored educational programmes. Digital prescription systems show promise in improving patient management and reducing errors but require targeted interventions to enhance adoption and compliance. Healthcare centers should implement comprehensive training programmes targeting non-compliant patients to improve digital prescription system use. Treatment effect was estimated with  $\text{text}\{logit\}(\pi) = \beta_0 + \beta_1 X_i$ , and uncertainty reported using confidence-interval based inference.

**Keywords:** *African healthcare, digital health systems, e-prescriptions, patient adherence, community clinics, telemedicine, interoperability*

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