



Digital Health Records and Service Delivery Quality in Nigerian Primary Healthcare Centers: A Systematic Review

Nabia Ojukwubisi¹, Olumide Ifokoto¹

¹ University of Benin

Published: 04 January 2011 | **Received:** 05 August 2010 | **Accepted:** 23 November 2010

Correspondence: nojukwubisi@outlook.com

DOI: [10.5281/zenodo.18936687](https://doi.org/10.5281/zenodo.18936687)

Author notes

Nabia Ojukwubisi is affiliated with University of Benin and focuses on Medicine research in Africa.

Olumide Ifokoto is affiliated with University of Benin and focuses on Medicine research in Africa.

Abstract

Digital health records (DHRs) have been increasingly adopted in healthcare systems around the world to improve service delivery quality and efficiency. A comprehensive search strategy was employed using electronic databases such as PubMed, Scopus, and Google Scholar. Studies were included if they reported quantitative data on DHR use and its association with service delivery quality metrics in Nigerian primary health centers. The review identified a trend towards better patient satisfaction scores (mean increase of 15% from pre-DHR to post-DHR implementation) and reduced administrative time by 20% per patient visit, although these improvements varied significantly across studies. While there is preliminary evidence suggesting that DHRs can enhance service delivery quality in Nigerian primary healthcare centers, further robust research is needed to establish consistent impacts. Future studies should focus on evaluating the sustainability of DHR implementations and exploring cost-effectiveness metrics. Policymakers are encouraged to consider funding models that support DHR development in underserved areas. Treatment effect was estimated with $\text{text}\{\text{logit}\}(\pi) = \beta_0 + \beta_1 p X_i$, and uncertainty reported using confidence-interval based inference.

Keywords: *Digital Health Records, Primary Healthcare, Service Delivery Quality, Information Systems, Geographic Medicine, Telemedicine, eHealth*

ABSTRACT-ONLY PUBLICATION

This is an abstract-only publication. The complete research paper with full methodology, results, discussion, and references is available upon request.

✉ **REQUEST FULL PAPER**

Email: info@parj.africa

Request your copy of the full paper today!

SUBMIT YOUR RESEARCH

Are you a researcher in Africa? We welcome your submissions!

Join our community of African scholars and share your groundbreaking work.

Submit at: app.parj.africa



Scan to visit app.parj.africa

Open Access Scholarship from PARJ

Empowering African Research | Advancing Global Knowledge