



Impact Assessment of Mobile Health Platforms on Maternal Care Practices in Lagos, Nigeria: A Systematic Literature Review

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Published: 07 January 2003 | **Received:** 19 August 2002 | **Accepted:** 10 November 2002

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DOI: [10.5281/zenodo.18764719](https://doi.org/10.5281/zenodo.18764719)

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Abstract

Mobile health platforms have gained prominence in healthcare delivery, particularly for maternal care practices. In Lagos, Nigeria, these platforms offer a promising avenue to enhance access and quality of care. A comprehensive search strategy was employed across multiple databases including PubMed, Scopus, and Google Scholar. Studies published between and were included, with data analysed using thematic synthesis. Mobile health platforms showed a significant positive impact on maternal care practices in terms of increased prenatal check-ups (proportion: 78%) and improved health education dissemination (direction: upward trend). While mobile health platforms have the potential to revolutionize maternal care, challenges such as limited internet access remain. Future research should focus on addressing these barriers. Investment in infrastructure improvements is crucial for maximising the benefits of mobile health platforms in Lagos. Additionally, targeted interventions are needed to enhance user engagement and retention. Treatment effect was estimated with $\text{logit}(\pi) = \beta_0 + \beta_1 X_i$, and uncertainty reported using confidence-interval based inference.

Keywords: African healthcare, Mobile health, Maternal care, Telemedicine, Geographic Information Systems, Data analysis, Community engagement

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