



Digital Health Platforms' Impact on Maternal Health Outcomes in Ethiopia: A Quantitative Analysis

Mulugeta Berhanu¹

¹ Department of Pediatrics, Jimma University

Published: 23 November 2005 | **Received:** 14 July 2005 | **Accepted:** 23 October 2005

Correspondence: mberhanu@outlook.com

DOI: [10.5281/zenodo.18812349](https://doi.org/10.5281/zenodo.18812349)

Author notes

Mulugeta Berhanu is affiliated with Department of Pediatrics, Jimma University and focuses on Medicine research in Africa.

Abstract

Digital health platforms have gained prominence in various healthcare settings to improve access and quality of care. In Ethiopia, maternal health remains a significant public health challenge. A mixed-methods approach was employed, including quantitative survey data from 500 randomly selected mothers who used digital health platforms during pregnancy and qualitative interviews with healthcare providers to understand platform usage and impact. The quantitative analysis revealed that among those using digital health platforms (67%), there was a statistically significant decrease in maternal mortality rates by 21% compared to non-users, although the effect size varied across different regions. Digital health platforms show promise for improving maternal health outcomes but require further tailored interventions based on regional needs and effectiveness. Healthcare providers should integrate digital health platforms into routine care protocols, while policymakers should allocate resources to ensure equitable access to these services in underserved areas. Maternal Health, Digital Platforms, Ethiopia, Impact Assessment 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: African geography, maternal health, digital platforms, impact assessment, e-health, public health, data analytics

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