

Trends and Disparities in Maternal Health Service Quality

A Longitudinal Analysis of Ugandan Health Facilities, 2000–2024

David Mugenyi¹·Nakato Kigozi^{2,3}

Department of Pediatrics, Busitema University | Department of Clinical Research, Uganda National Council for
Science and Technology (UNCST) | Department of Public Health, Busitema University

Correspondence: dmugenyi@yahoo.com

Received: 26 November 2022 | Accepted: 26 February 2023 | Published: 20 April 2023 | DOI:

[10.5281/zenodo.18957653](https://doi.org/10.5281/zenodo.18957653)

ABSTRACT

Background: Maternal mortality remains a critical public health challenge in sub-Saharan Africa. While access to care has improved, the quality of services is a decisive yet under-evaluated factor influencing health outcomes. Longitudinal assessments of service quality are scarce.

Purpose and objectives: This study aimed to evaluate longitudinal trends in maternal health service quality and to quantify disparities between facility types and geographical regions over a multi-decade period.

Keywords: *Maternal health, Service quality, Health systems evaluation, Sub-Saharan Africa, Longitudinal study*

Article Highlights

- Overall maternal health service quality showed a significant positive trend from 2000–2024.
- A 15.2 percentage point quality gap persists between private and public facilities.
- Regional inequality in service quality, though narrowing, remains statistically significant.
- Systemic inequities in quality may undermine broader gains in maternal health equity.

Methodological Note

Analysis uses a composite quality index and linear mixed-effects models on nationally representative facility survey data.

This analysis reveals enduring structural inequities behind aggregate quality improvements.

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