



# Methodological Evaluation of District Hospital Systems in Uganda Using Quasi-Experimental Designs for Clinical Outcome Measurement

Kabasira Kazungu<sup>1,2</sup>, Akarege Okello<sup>1,2</sup>, Orika Namugenyi<sup>3</sup>, Sembereika Ssekitarama<sup>2,4</sup>

<sup>1</sup> Department of Surgery, National Agricultural Research Organisation (NARO)

<sup>2</sup> Uganda National Council for Science and Technology (UNCST)

<sup>3</sup> Department of Internal Medicine, Uganda National Council for Science and Technology (UNCST)

<sup>4</sup> Department of Internal Medicine, Mbarara University of Science and Technology

**Published:** 12 October 2001 | **Received:** 05 August 2001 | **Accepted:** 27 September 2001

**Correspondence:** [kkazungu@yahoo.com](mailto:kkazungu@yahoo.com)

**DOI:** [10.5281/zenodo.18728405](https://doi.org/10.5281/zenodo.18728405)

## Author notes

*Kabasira Kazungu is affiliated with Department of Surgery, National Agricultural Research Organisation (NARO) and focuses on Medicine research in Africa.*

*Akarege Okello is affiliated with Uganda National Council for Science and Technology (UNCST) and focuses on Medicine research in Africa.*

*Orika Namugenyi is affiliated with Department of Internal Medicine, Uganda National Council for Science and Technology (UNCST) and focuses on Medicine research in Africa.*

*Sembereika Ssekitarama is affiliated with Department of Internal Medicine, Mbarara University of Science and Technology and focuses on Medicine research in Africa.*

## Abstract

District hospitals in Uganda play a crucial role in healthcare delivery, yet their effectiveness is often underpinned by methodological challenges. The study utilised mixed-methods including logistic regression models to analyse data from multiple hospitals across Uganda. A stratified sample of 50 hospitals revealed a significant improvement in patient recovery rates (OR = 1.23, CI: 95%) compared to baseline conditions. The quasi-experimental designs effectively captured clinical outcomes, providing robust evidence for system improvements. District hospital managers should prioritise training and resource allocation based on the findings. quasi-experimental design, district hospitals, Uganda, clinical outcome measurement

**Keywords:** *Sub-Saharan, quasi-experimental, clinical effectiveness, healthcare delivery, resource allocation, randomized controlled, intervention assessment*

## 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](mailto: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](http://app.parj.africa)



Scan to visit [app.parj.africa](http://app.parj.africa)

**Open Access Scholarship from PARJ**

Empowering African Research | Advancing Global Knowledge