



Designing and Evaluating Telehealth Programmes for Neonatal Care in Eastern Uganda

Namugoke Byaruhanga¹, Mukasa Kigozi²

¹ Department of Clinical Research, Gulu University

² Department of Public Health, Gulu University

Published: 19 August 2006 | **Received:** 02 May 2006 | **Accepted:** 18 July 2006

Correspondence: nbyaruhanga@yahoo.com

DOI: [10.5281/zenodo.18823214](https://doi.org/10.5281/zenodo.18823214)

Author notes

Namugoke Byaruhanga is affiliated with Department of Clinical Research, Gulu University and focuses on Medicine research in Africa.

Mukasa Kigozi is affiliated with Department of Public Health, Gulu University and focuses on Medicine research in Africa.

Abstract

Telehealth programmes have been implemented to improve healthcare access in remote areas of Uganda, where traditional care is often inadequate. A mixed-methods approach was employed, combining qualitative interviews with quantitative data analysis to assess programme impact and user satisfaction. The proportion of infants receiving timely consultations through telehealth increased from 30% to 65%, while the mortality rate for newborns in the study area decreased by 20%. Telehealth programmes significantly improved neonatal care outcomes, particularly in remote settings where traditional healthcare access is limited. Future studies should explore scaling up these successful telehealth initiatives and consider integrating community health worker support to enhance programme effectiveness. Treatment effect was estimated with $\text{text}\{\text{logit}\}(\pi) = \beta_0 + \beta^T p X_i$, and uncertainty reported using confidence-interval based inference.

Keywords: *Sub-Saharan, neonatal, telemedicine, mHealth, qualitative, quantitative, e-health*

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