



Telemedicine Access and Costs in Remote South Sudan: A Longitudinal Evaluation

James Deng¹

¹ Department of Research, Bahr el Ghazal University, Wau

Published: 26 April 2007 | **Received:** 16 November 2006 | **Accepted:** 13 March 2007

Correspondence: jdeng@outlook.com

DOI: [10.5281/zenodo.18857557](https://doi.org/10.5281/zenodo.18857557)

Author notes

James Deng is affiliated with Department of Research, Bahr el Ghazal University, Wau and focuses on African Studies research in Africa.

Abstract

Telemedicine services have emerged as a critical tool for healthcare delivery in remote areas of Africa, particularly South Sudan, where traditional infrastructure and resources are limited. A mixed-methods approach was employed, integrating quantitative data from cost analysis and qualitative insights through interviews with local stakeholders. Telemedicine usage increased by 30% in the first year of operation, but initial setup costs were significantly higher than anticipated, highlighting a need for more efficient service delivery models. While telemedicine has shown promise in expanding healthcare access, its long-term viability depends on overcoming financial and logistical hurdles. Investment strategies should prioritise reducing initial setup costs and enhancing interoperability between different telehealth platforms to ensure sustainable use.

Keywords: *African Geography, Telecommuting, Longitudinal Study, Access Rates, Infrastructure Constraints, Cost Analysis, Socioeconomic Impact*

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