



# Mobile App Adoption and Benefits in Rural Senegalese Patients under Mobile Medical Examination Apps

Jane Smith<sup>1,2</sup>, John Doe<sup>2</sup>, Alice Johnson<sup>3</sup>

<sup>1</sup> Department of Pediatrics, Cuttington University

<sup>2</sup> Stella Maris Polytechnic University

<sup>3</sup> Cuttington University

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

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## Author notes

*Jane Smith is affiliated with Department of Pediatrics, Cuttington University and focuses on Medicine research in Africa.*

*John Doe is affiliated with Stella Maris Polytechnic University and focuses on Medicine research in Africa.*

*Alice Johnson is affiliated with Cuttington University and focuses on Medicine research in Africa.*

## Abstract

Mobile medical examination apps have shown promise in improving access to healthcare services in rural areas. However, their adoption and impact on patients remain underexplored. A mixed-methods approach was employed, including surveys ( $N=120$ ) and qualitative interviews ( $n=15$ ). Data were analysed using descriptive statistics to measure adoption rates and inferential statistics for benefits assessment. Mobile app usage increased by 45% among participants compared to baseline, with a significant improvement in symptom management reported ( $p<0.05$ ). The mobile app demonstrated high user engagement and benefits in enhancing healthcare access for rural Senegalese patients. Further research should explore scalability and cost-effectiveness of the intervention across different regions. Mobile medical apps, rural health, patient adoption, symptom management

**Keywords:** Rural, Senegal, Mobile, Adoption, Usage, Benefits, Evaluation

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