

## Telemedicine App Powered by AI

**Authors :** Cotran Mabeya

**Abstract :** This focuses on an artificially intelligent telemedicine application that aims to enrich the access to health care services, especially for those who live in remote and underserved areas. This app is highly packed with very advanced AI technologies—symptom checkers and virtual consultations—as well as health data integration for very efficient and user-friendly remote health support with main features: AI-based diagnostics, real-time health monitoring through wearables, and an intuitive interface. The Telemedicine Application tries too hard to address some of the healthcare problems, such as limited access in remote areas, high costs, lengthy wait times for certain services, as well as difficulty in getting second opinions. By making it friendlier for consultation remotely, the application removes geographic and financial barriers to accessing affordable and timely medical care. In addition, by having centralized patient records and communication between healthcare providers, it allows continuity of care by making it easier to transition to treatment. It has been confirmed that this multi-design approach incorporated both quantitative and qualitative designs to evaluate the socio-economic impacts of artificial intelligence and telemedicine on patients in Nairobi County. Adults made up the target population, while informers and respondents were categorized into patients, healthcare providers, and specialists in law, IT, and AI. Stratified and simple random sampling techniques were used to ensure diversely inclusive representation to enhance accuracy and triangulation in the data collected. Moreover, the study provides several recommendations, which include regular updating accuracy of AI symptom checkers, improving data security through encryption and multi-factor authentication, as well as real-time health data integration from bodily wearables for personal healthcare

**Keywords :** artificial intelligence, virtual consultations, user-friendly, remote areas

**Conference Title :** ICAHA 2025 : International Conference on Alternative Healthcare and Acupuncture

**Conference Location :** Vancouver, Canada

**Conference Dates :** January 09-10, 2025