ABSTRACT

Information systems have great potential to reduce healthcare costs and improve outcomes. Accessing information about services on-line and carrying out a range of transactions electronically are still not fully accepted.

Healthcare delivery is being transformed by advances in computer assisted medical diagnostic (CAMD) systems which are now recognized as an essential enabler for support of health systems across the world. There has been a growing need for research on factors influencing adoption of CAMD systems all over the world and especially in Kenya.

This research examined factors influencing adoption of CAMD systems among medical doctors in Kenya. The study aimed to examine the effect of adoption of CAMD systems in Kenya from a doctor's perspective. It examined the effect of the rapid penetration of internet use, conducive legal, regulatory, and infrastructural environments on adoption and use of CAMD systems. It examines how doctors find these systems useful in assisting them carry out the correct diagnoses in complex situations and prompt diagnoses for that matter.

This project develops a theoretical framework and proposes that; Perceived Usefulness, Perceived Ease of Use, Perceived information quality, Perceive Trust, Security, Awareness, ICT Skills and savings/costs as the constructs and investigates the moderating factors of Specialty, gender and Age on how they influence these constructs to the adoption motivation. The project aimed at selecting a suitable framework that would realize implementation and adoption of CAMD systems in Kenya