

**ADOPTION OF ELECTRONIC MEDICAL RECORD SYSTEMS FOR HEALTH
SERVICES DELIVERY AT MOI TEACHING AND REFERRAL HOSPITAL IN
ELDORET, KENYA**

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E65/OL/CTY/24111/2014

**A RESEARCH PROJECT SUBMITTED IN FULFILLMENT OF THE
REQUIREMENTS FOR THE AWARD OF THE DEGREE OF MASTER OF
LIBRARY AND INFORMATION SCIENCE DEGREE, SCHOOL OF
EDUCATION, KENYATTA UNIVERSITY**

JUNE, 2023

DECLARATION

I confirm that this is my individual research and that it has not been presented for certification assessment to any other university or institution. Sources that have been correctly cited have been used to enhance this research project. Text, data (including spoken words), graphics, photographs, or tables that have been used in the work from other sources, the researcher has credited and provided the required references according to the current APA system and anti-plagiarism standards.

Signature 

Date 19/06/2023

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Supervisor's declaration

This project has been submitted for appraisal with my approval as University Supervisor

Signature 

Date 19/06/2023

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ABSTRACT

Worldwide medical care practices have been significantly impacted by the use of electronic medical record systems (EMRS) and other developments in the field of information and communications technology (ICT). Electronic medical records systems have the potential to significantly improve patient relationships while also improving overall patient well-being. However, most developing nations, including Kenya, have been slow to experience the anticipated changes in the healthcare sector. Therefore, the purpose of this study was to assess adoption and implementation of electronic medical records systems at the Moi Teaching and Referral Hospital (MTRH). The objectives of the study were: To examine the extent to which technical infrastructure influences functionality of electronic medical records systems at MTRH, to assess the use of electronic medical record systems in healthcare services at MTRH, to establish staff perception on electronic medical record systems, to assess effect of electronic medical records system on patient care at the MTRH and to find out the challenges facing EMRs adoption and implementation at the MTRH. To achieve these objectives, the study employed a descriptive survey research design and the diffusion innovation theory. The target population was 447 medical personnel, 21 ICT staff and 12 data clerks/record officers. Data was generated from among 116 medical personnel, 5 ICT staff and 3 data clerks. Simple random sampling was used. Data was collected through questionnaires and interview schedules which were analysed using percentages, narratives and means. The findings of the study revealed among other things that technical infrastructure influences the functionality EMRs and that ERMs was averagely used by the MTRH staff. It was also noted that MTRH staff had ambivalent perception towards use of EMRs. The study therefore recommends among other recommendations that there is need for the management to improve basic technical infrastructure to handle the system. Further, there is need for the hospital management together with other stakeholders to work on the challenges facing full adoption and implementation of EMRS such as proper staffing and training of personnel to enhance EMRs use in the hospital.