

SYNOPSIS

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Title: Awareness of AI in healthcare among healthcare providers.

Introduction

The healthcare sector is at the brink of a transformative era driven by artificial intelligence (AI) technologies. AI adoption holds immense potential to revolutionize patient care, diagnosis, treatment, and operational efficiency globally. In general, artificial intelligence is the use of computers to simulate or duplicate human intelligence without the need for human intervention. With its remarkable range of learning algorithms and decision-making powers, this rapidly developing technology has reached almost every significant sphere of human endeavor, including healthcare. In many regions of the world, AI is currently enhancing the field of medicine in diagnosis, administration, disease prediction, and treatment strategies. The use of these technologies by a wide range of healthcare professionals, from paramedical staff in primary care to tertiary care experts offering specialized care is necessary for the same outcome, though. Therefore, it's important to assess how the medical workforce views artificial intelligence (AI) and its application in clinical settings. Thus, the purpose of the study is to determine how well healthcare professionals are aware of AI-based technology.

Research Question

What is the awareness level of AI in healthcare among healthcare professionals.

Objective

The purpose of this study is to find out the level of awareness and acceptance of artificial intelligence (AI).

Methodology

Literature Review: Conduct a thorough literature review to identify existing studies related to AI awareness among healthcare professionals.

Study design: Descriptive cross sectional study

Study population: Healthcare professionals.

Study period: 3 months

Research approach : Quantitative approach

Data collection: A web-based semi structured questionnaire.

Data Analysis: Analyse the quantitative data using basic statistical analysis.

Results:

Ethical Considerations

Confidentiality: Ensuring the confidentiality of patient data throughout the research process.

Data Security: Implementing robust data security measures to protect sensitive information.

Compliance: Adhering to ethical guidelines and regulatory requirements governing research involving human subjects.

Expected Outcomes

The research aims to know the Awareness level of AI in healthcare among healthcare professionals

Reference : <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC11060211/>
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