

Abstract

Title:

Use of Artificial Intelligence (AI) in Health Care: Rules and Regulations.

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Background

Artificial Intelligence involves utilizing a computer to perform and automate a particular task typically performed by humans. With that automation comes a marketplace for AI tools, automation, and big data solutions. The market for healthcare artificial intelligence *tools* is expected to surpass \$34 billion by 2025, driven by the desire to automate key tasks and provide deeper insights, according to a new report released by Tractica.

Artificial intelligence offers several advantages when exploring the healthcare landscape.

It promises innovation in the healthcare system for a better future. AI technology can help doctors make better data-driven decisions, increase disease diagnosis efficiency, integrate information, reduce unnecessary hospital visits and create time-saving administrative duties.

Purpose:

The purpose of this work was to set out the regulatory requirements for the provision of AI solutions in healthcare. To set out ethical requirements for AI solutions in healthcare and articulate the Emirate's vision for AI in healthcare. Furthermore to outline key roles and

responsibilities of relevant stakeholders in relation to the development and use of AI in healthcare.

Scope:

The scope of this work are all AI solutions related to healthcare services used by healthcare facilities and professionals, pharmaceutical manufacturers, health insurers, public health entities, and researchers.

Conclusion:

There is no indication that machines will replace humans who work in health, but AI will almost definitely result in human tasks changing greatly. AI that influences clinical and public health decisions should be introduced with care. High Expectations must be managed, but Real Opportunities should be pursued