AI IN MEDICINE

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DO YOU THINK AI IS BENEFICIAL TO MEDICINE?

how and why?

WHAT IS AI?

Artificial Intelligence (AI) is a broad computer science category that deals with the creation of intelligent machines that are capable of performing tasks that typically require human intelligence. It is the effort of computers to imitate or simulate human intelligence

How will it impact healthcare?

- Unifying mind and machine through brain-computer interfaces
- Developing the next generation of radiology tools
- Expanding access to care in underserved or developing regions
- Reducing the burdens of electronic and health record use
- Containing the risks of antibiotic resistance
- Creating more precise analytics for pathology images
- Bringing intelligence to medical devices and machines
- Advancing the use of immunotherapy for cancer treatment
- Turning the electronic health record into a reliable risk predictor
- Monitoring health through wearables and personal devices
- Making smartphone selfies into powerful diagnostic tools
- Revolutionizing clinical decision making with artificial intelligence at the beside

PROTON BEAM THERAPY

It can provide an appropriate dose of radiation to the targeted cancer tissue by taking advantage of its excellent physical dosage characteristics, while reducing the dosage of radiation applied to normal tissue.

CT SCANS

A computerized tomography (CT) scan uses a collection of X-ray images taken from various angles across your body to produce cross-sectional images (slices) of the bones, blood vessels, and soft tissues inside your body using computer processing.

COST OF AI MACHINES

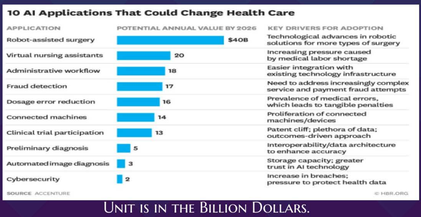
Custom AI solutions cost from $6000 to over $300,000 everywhere. Most AI consultants charge an hourly fee of $200 to $350. Robotic surgery appears to be somewhat more costly than laparoscopic or open surgery.

HYPOTHESIS

Artificial intelligence simplifies the lives of patients, physicians and administrators of hospitals by completing tasks usually preformed by humans, but at a fraction of the cost and in less time.

Data analysis and presentation

The health AI area appears to be wide, covering wellness to operational technology diagnostics, but it is also narrow in that health AI applications usually perform only a single mission. The importance of 10 promising AI applications was investigated by Harvard and found that by 2026 they could generate up to $150 billion in annual savings for U.S. health care.



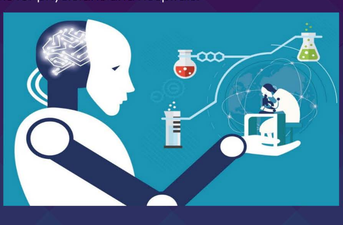
Unit is in the Billion Dollars.

Based on how likely adoption was and what potential for annual savings existed, Harvard described these particular AI applications. They also found that AI currently generates the greatest benefit in enabling frontline clinicians to be more effective and more reliable in making back-end operations, but not yet in making clinical decisions or improving clinical performance. There are still rare clinical implementations.

As shown by the data collected, we can see that the United States health care is able to save up to $150 billion dollars by using Artificial Intelligence applications. By that, we can state that using Ai is more efficient as it is a cheaper source for the government.

OUR OPINIONS

We should pursue using artificial intelligence applications in medicine more often due to the efficiency and preciseness of it. However, we should still not be 100% dependent on them and replace doctors and nurses with robots because robots are programmed to do something but they are not decision makers so if there was a different case in the surgery, they wouldn't know how to deal with it. For this reason, we should depend on artificial intelligence applications as assistants for doctors but not replace them. Furthermore, we believe that AI is a very good source as it would be a cheaper source as well as it would be a good way to save time in terms of collecting data, etc. through systems for physicians and hospitals.



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