



## **Application of AI in the Healthcare Sector - Empowerment of the Care Providers**

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## Empowerment of the Care Providers

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AI or Artificial Intelligence has seen a remarkable revolution in the last 5 years. With AI getting absorbed and integrated with different industries, healthcare has been a major beneficiary. Caregivers can benefit immensely from the evolution of Artificial Intelligence to improve their diagnosis, patient care, and better access to healthcare. In the futuristic scenarios, use cases might include aspects like clinical decision and research support, voice-to-text transcription, and cyber security.

On a recent webinar, Ileana Peters, HIPAA legal expert and shareholder, at Polsinelli law firm, joined FairWarning's Vice President of product management & engineering, Chris Arnold, to discuss the ways in which AI is bringing about a transformative experience in healthcare.

As we make the transition from non-AI to AI, it must be ensured that the platform is used responsibly and beneficially. AI should help patients and caregivers alike. To proceed further with our discussion regarding the potential of AI in the field of healthcare, let us become more familiar with the terminologies associated with the concept of Artificial Intelligence. It stands out as one of the most potent platforms to enable large scale digital transformations.



## **Artificial Intelligence | Machine Learning | Natural Language Processing | Algorithms**

### **➤ Artificial Intelligence**

Artificial Intelligence or Augmented Intelligence - is a special branch of computer science engineering which is concerned with simulating intelligent behavior in computers.

### **➤ Machine Learning**

This refers to a segment of Artificial Intelligence where computer systems are fed with large amounts of data, after which these devices learn to carry out a particular task. To keep it short and simple, we can say that the role of AI in healthcare should be able to provide better healthcare to patients.

### **➤ NATURAL Language Processing**

Abbreviated as NLP, this is a branch of Ai which enables computers to understand human language and contextually manipulate or interpret it.

### **➤ Algorithms**

Algorithms are a set of instructions which guides a computer to carry out a particular task. Machine learning algorithms rewrite themselves while working. They also have the capacity to rewrite themselves as they proceed with their day to day work.

Ai should have the core objectives of simplifying healthcare and improving the overall patient experience. It should guarantee professional satisfaction to the entire patient/staff segment of the healthcare industry.

In the long run AI would incorporate a robust healthcare ecosystem which is logically designed, quality controlled and clinically validated.

The healthcare ecosystem across the globe demands a transparent architecture which would have the following attributes. The incorporation of AI would definitely ensure that the healthcare system is-

- Transparent
  - Adhere to leading standards to enable reproduction
  - Preserve the security of personal information
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