

# THE ETHICS OF AI IN HEALTHCARE: PRIVACY AND DATA SECURITY

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## Abstract:

AI have done major role in human life now I have become a part of human life I have done in so many roles in various field to make human life easy now ai playing a role in health care. We see that lots of news about cybercrime and hacking of data and online fraud from accounts and other things hackers hacks our mobile and keep text data so of our medicine data and our health data how will be safe by machine learning and ai. We use like phoneme and other things in internet then we first give priority to our privacy then it is general question that if ai I will take a look in our health it is important thing but if it done then how our privacy will be safe how our data and our cyber is being saved by hackers we know that hackers use lots of things to hacks our data if they hack our medicine and other our medical report then it will danger so it is a general question of humans that if ai is used in their health sector then how will they safe your data.

**Keywords:** Rules and regulation, privacy rule and judgments

## Introduction:

In lots of country including india ai is proving himself in the field of healthcare lots of diseases is cured by the use of ai and machine learning but the important question is about security and cybercrime of medicine we know that hackers and products can use this data to blackmailing and other type of crime so how we can use ai with safe it is important question arises if safe use of cannot happen then we should stop the use of ai in healthcare if the unsafe use of ai will become our part. Then it led to be more increasing in cybercrime and other fruits if it happens then it will also affect our society melted and other things of if we want to stop it then there should be a judgement and order should be passed by supreme court and other things will be fixed by government and rules of regulation about the use of ai should be implement in society and why use of software and the data sharing and will be stopped.

We can take the best example of using online payment method how they will become a part of line by safety it can also be implemented in healthcare by artificial intelligence now we can see in jodhpur some medical operation will be done by the robot with more accuracy.so country like india where population is high and hospital and doctors is less, then ai and robotices can play a big role in treatment of patient.

For increasing health infrastructure of india we should use ai with care with we should some rules and regulation about use of ai in healthcare and how it will implement step by step process can be done by the scholars and by the government with the help of engineers and doctor of aiims we can take exams from foreign countries by help of their scientist we should use this but the main question is that how we use it safely we can use safely by privacy and policy to secure privacy of user if we want to implement it we should implement some rule and regulation in our society we should use better software and other things to secure data. Now in modern era technology has been developed so we can implement technology to save the privacy and to stop cybercrime and ethics of healthcare should be implement it will be implemented by machine learning and by the use of software we can use software like life look, nord layer and other security app.

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### Safe use of virtual reality therapy:

Now it is virtual reality therapy is used for treating some diseases like mental disorder and other but it can be dangerous if data will be leaks so security purpose should be used in this also we can it by safety measures it can be used by dating share with only with patient and doctor the patient the doctor only know about the patient and its medical condition no one else can be read and listen about it so it will take play a major role in infrastructure development in healthcare sector of india.

### Use of safe medical app and government certified app:

They are lots of app which saying that they can treat you good but they are catching you or data and using it badly so we should use app which is safe and government approved we use app which secure your data and privacy policy we should app which is safe and secure example is a arogya setu app which is approved by government for treatment which is the play reported role in covid vaccination and in the type of lockdown it play important role to get to the doctor and other covid patient use it.

Lots of this this type of app using ai but it should safe and secure. We all know about importance of health but if use of ai in health care than privacy and security should be our concern.

### Literature review:

Most common thing is that how to save data and keep privacy of the of the user from the hackers and others which can grow interest of user in ai healthcare we know that it is very difficult to implement but it should be implemented it is the most necessary thing to implement so that can patient use it trust.



Figure1: health care of ai

The most general thing about the use in it is principles of fairness, preservation of human autonomy, explicability and security. If it not done than the use of ai in health care is dangerous and harmful toward the privacy. Even coarse data sets have low levels of anonymity, with 66–95 percent of reidentifications occurring. This emphasizes how important it is for businesses to put strong data protection procedures in place, like regularizing access to personal data and utilizing cutting-edge encryption methods.

### Conclusion:

Using AI in healthcare gives the potential to alternate the field all the time. As with all things, it comes with effects. We need to ensure affected person privacy, facts protection, and ethics are positioned first. Balancing innovation and looking out for the patient is something we can be seeking to figure out for some time. It's gonna take collaboration between healthcare experts, AI developers, regulators, and patients themselves. By addressing those problems responsibly and thoughtfully we are able to use AI to improve the health enterprise while nonetheless respecting person rights and well-being.

### Future scope:

By the use of healthcare lots of people can benefited lots of people lost their life due to improper treatment if it will be implemented by ethically then lots of people can get proper treatment.

Country which has population as high, and doctor are less than it can be implemented in this country which can be beneficial for healthcare infrastructure.

If it is implemented ethically then it can be very beneficial country in which poor people, treatment in many countries is very high by the use of ai in healthcare the treatment become cheaper which can help in treatment for all of these people which are not can't afford costly treatment.

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