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Disruptive Innovation in Healthcare.

1 Disruptive innovation in healthcare

2 introduction

Disruptive innovation refers to innovations and technology that makes expensive or sophisticated products and services accessible and more affordable to a broader market e.g Amazon launched as an online bookstore in mid 1990s is an example of disruptive innovation. The change resulting from Disruptive innovation has always been positive, leaving us with better products and services than before.

3 Artificial intelligence And machine learning

AI applications can manage patient intake and scheduling as well as billing. Chatbots answer patient questions. With natural language processing capabilities, AI can collate and analyze survey responses. AI will probably increase in use as a way to bring down healthcare costs and let doctors and staff focus on patient care. Healthcare leaders must be knowledgeable about the issues surrounding database management and patient privacy.

4 Blockchain

Blockchain is database technology that uses encryption and other security measures to store data and link it in a way that enhances security and usability. This innovation facilitates many aspects of healthcare, including patient records, supply and distribution, and research. Tech startups have entered the healthcare sector with blockchain applications that have changed how providers use medical data.

5 consumer center care

Many examples of disruptive innovations in healthcare pertain to consumer-centered care. With the increasing consumerization of healthcare, the patient-healthcare provider relationship has also undergone radical change. In this arena, the combination of technology and public policy has transformed how patients access healthcare and interact with their healthcare providers.

6 Electronic health Records

Electronic health records have been a growing part of patient care since the adoption of the Affordable Care Act. The massive amount of EHR data goes

far beyond patient health records, however, and can be used to conduct research, improve care, build Artificial intelligence applications, and create new business opportunities. Therefore, healthcare providers have to be aware of the issues surrounding Electronic health record security.

7 Home monitoring applications

Patient self-care and self-assessment have been a strong focus area of healthcare innovation since smartphones and mobile apps became widely accessible. At a time where it's been vital to carefully assess whether patients need to and should be hospitalised, it's been even more important to be able to focus on delivering care and advice at home where possible, in order to preserve medical resources for those most in need.

8 Automation for covid-19 antibody

Automation has been disrupting healthcare for a while, but it's particularly uplifting, interesting and apt to talk about automation which is helping NHS organisations tackle the covid-19 crisis. At East Suffolk and North Essex NHS Foundation Trust, Darren Atkins and his team have been rapidly developing, testing and launching groundbreaking bots and robotic process automations (RPAs) that aid staff with vital processes around covid-19. The team have been the worthy recipients of the Health Tech Leaders 2020 award for their automation work. Darren has reported that bots saved the Trust 10,522 hours in May 2020 compared to July 2018 when they saved just 33.5 hours. The most notable of their current work is the incredibly quick turnaround of bots to manage employee antibody testing for covid-19. Launched on the 29th May, the bot completely automates the process of an employee requesting and having a test for covid-19 antibodies. Via three stages – submitting the request, patient input, and sending results, it makes the whole process, which is a very important one, light-touch for the staff, so they can focus on continuing to deliver great healthcare. Not only have they developed this innovative solution, they are making the processes available to other healthcare organisations via the NHS Digital Exchange for free. You can find you more about this solution .

9 Conclusion

Disruptive innovation is term that has diffused into the healthcare industry but there is widespread ambiguity in the use of the term .It may have become a victim of its own mainstream success.poor identification can lead to poor understanding of the characteristics and potential of an innovation.