

Use of Technology, Digital tools and Techniques to improve efficiency in Healthcare

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Introduction

The advantage of modern technology in healthcare or data relating to patient health is getting better.

Firstly, advanced technology allows doctors/physicians to store and access data of their patients. Today it is by far easy to communicate patient information among health professionals and they can use patient information for accurate medical attention.

Prescribing wrong medication for patients is almost a thing of the past. With a click of a button, physicians can retrieve information of their patients without the need to manually search through piles of documents. From what I have just mentioned, modern technology in healthcare has brought about huge improvement in health safety.

With the help of advanced medical equipment, patient safety has improved significantly. Computerised information of patient serves as a safety tool which enables doctors or nurses to full medical history of their patient. If you change address for example and want to register to a new GP, your date of birth, name and address is all what your GP need to access your medical data. Electronic data base can ensure safety and consistency among health professionals. (Vasilis, 2020)

2. Use of contemporary in healthcare

Today, modern-day technology performs a vital function in healthcare delivery, and it has revolutionised and expanded the work of healthcare professionals. Technology in healthcare has brought about a big expansion in operational effectiveness in the scientific field. The development of present-day technology has notably more advantage and efficiency in healthcare delivery. Get admission to affected person records is the largest advantage of current technology in health. (HealthManagement.org, 2020)

2.1 Diagnostic

Experts acknowledged that, patients can stay healthy and live longer when health problem development is averted or delayed. Diagnostics supply data that can benefit patients via allowing the resolution of the right treatment., supporting health experts to select terrific preventive intervention and imparting essential prognostic records that can improve care ways and management. Diagnostic information may additionally allow knowledgeable options regarding birth, nutrition, and adjustment in lifestyle.

Also, analytic data can additionally cut hospitalisation, reduce inappropriate medication use, thereby bringing monetary benefit. (Public Health Genomics 2019)

2.2 Administrative

Electronic records and using additional technology in healthcare management makes it easier for patient privacy and protection compliance. Healthcare professionals must protect your data whenever they transfer it, renew it or obtain it, staying up to date with developing technology that protection.

Technology has enhanced healthcare in many ways, from establishing breakthrough procedures to advancing patient care. Health information technology also modernizes healthcare administration, making important patient information more accessible without difficulty while protecting patient privacy (University of Texas Rio Grande Valley, 2017)

2.3 Care Support

Care support is the reason why I am doing this course. Working and helping people is something I enjoy doing. Giving assistance to children, adult and old people who need extra support is very important for humanity.

3.The use of technology during Covid-19

Coronavirus disease has speed up the implementation of contemporary technology in healthcare and there are substantial changes to the provision in the delivery of healthcare or services. During this pandemic, patients are encouraged to do remote appointment which reduces the number for people in the hospital environment, facilitate remote working and decreases the risk of getting infected in hospital. There is a big boom in patient attractiveness to remote healthcare management, which includes registration for healthcare applications. (Rachel, 2020)

I recently travelled from Africa and quarantine for ten days. I was sent covid-19 test kits to be done by myself. I was able to do both test on day two and eight, eliminated the need to see my GP.

4.The use of digital communication, collaboration, and participation

- Digital conversations help learning through online seminars, lectures, mentoring, email and can also provide recommendation to students in ways that are digitally available. Help beginners to interact efficiently in academic, professional environments and to understand the different standards of communication. Respect others in public discussion and keep privateness in private conversations. (Tel.york.SJ, n.d.)
- Take part in online sessions and working in teams or groups. Working together effectively in digital areas, generating collective resources. Help learners to work together using shared digital tools and media, and to work effectively while acknowledging diversity, social and language barriers. (Tel.york.SJ, n.d.)
- In digital Participation, you can share ideas with colleagues, teachers and actively take part in social media like Facebook, Twitter, suitable digital sites useful to your work and education. Enable learning groups and networks do their work effectively and act safely and ethically in networking situations. (Tel.york.SJ, n.d.)

5. Digital identity, well-being, and safety

I would guess that most of us, when we are posting on social media like Facebook, Twitter, or Instagram, we are no longer aware to the fact that we are creating and projecting what the public knows about us digitally. We are conscious that what we post is viewed and reacted to, but do we really understand this may shape our identity? We should be careful what we post on social for the public to see and what we should keep private (Niamh, 2019)

Considering my personal experience with this topic, My Facebook account was hacked, my photos were used to create a fake Facebook account. The person was hiding behind my photos sending people messages. With the help of a friend who spotted the fake account, I immediately reported it to Facebook and the issue was resolved.

6.The use of digital literacy for professional career development

Digital revolution health care is considered a vital and important process that already has a significant effect on health care and is certainly set to essentially change the future of medicine and treatment. Nevertheless, the outcome of digitalization goes beyond the platforms and techniques via which patients have interactions with health professionals. The rapid increase in health applications or smart phones, the quantified self-movement and the use of large information that attracts health and lifestyle data all have a great influence to shape the health of present and future generations outside the boundaries of healthcare delivery. (Natasha, Kristine 2019)

6.1 Teaching

Health learning explains the abilities that allow people to gain access to, know and use health data to positively impact their own health and the health of those around them. Study reveals that health learning interventions helps individuals and humanity improve their health by gaining knowledge which influences their attitude. (Vicent,2018)

6.2 E-Learning

People who are health professionals get more positive results from the information they search in terms of self-management of health care needs and adoption of healthy activities. well educated users are also more likely to analyse information more carefully. This has knock-on effect in the period where fake news is known to travel faster and more widely than real news or evidence-based research. The more thorough and advanced use of the Internet and the successive increased gains among Health professionals. (Vicent,2018)

6.3 Self-development

Simply as you handle or care for health of your patients, you should additionally tackle the health of your entire healthcare organization. This includes building a strong backbone for your institution by way of growing mid-level managers. Providing private improvement equipment that will assist them to develop and thrive as supervisors and retaining a strong leadership pipeline are imperative for developing that enable to deliver patient outcome. (Vicent,2018)

7.The relevance of technical proficiency for information, data handling

Practical skills are the knowledge or ability needed to execute specific digital or physical duties. No matter what business you or your employees are engaged in, understanding of some technical skills is needed to complete everyday task. Let us look at those working in the security sector they need to be skilled in resolving problems and be able to protect both staff members and customers. Call centre employees must have broad knowledge on communication skills. Technical skills are important and crucial to the development of any business or workplace, employees are also happy if they are getting the required skills to do their job (McGary 2020)

Collecting information recording and using an organised method is a very important method of data handling and it is very useful for businesses and workplace.

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