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Digital Skills And Research Methods

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Introduction

In this paper, I'll look at how technology, digital tools, and processes might help enhance healthcare efficiency. I'll talk about how digital literacy has changed the way healthcare practitioners and professionals live, study, and work. I'll also be talking about how to use technology during Covid-19, how to employ digital literacy for professional career development, and other things. After that, I'll come to a conclusion in which I'll summarise all of the topics addressed in this report.



1.The use of contemporary technology in healthcare

The efficiency of healthcare has vastly improved thanks to modern technology. Every day, technology advances, and many of its consequences may be seen in our daily lives, including in our healthcare system. What has been the most significant influence of technology in the healthcare field? It is difficult to name the greatest influence of technology on healthcare, but virtually everyone would say that giving new devices, medications, and other therapies that save lives and enhance the chances of recovery for billions of people is the greatest advance of technology in healthcare. Less suffering

Information technology has also made a significant contribution to overall healthcare. Patient treatment is now a lot safer and more dependable than it has ever been because of this technology. Nurses and physicians can use computers to record and retrieve a patient's online medical history, save new information, and verify that the patient is receiving the appropriate therapy. Patients will have easier access to their own information as more institutions embrace electronic records, allowing them to understand what is being done with them.

Search engines like Google and others have been able to anticipate medical trends like flu epidemics with astonishing precision by evaluating the health information consumers have searched online. Medical specialists will be able to respond to epidemics and take action faster than ever before because to this discovery. And, as more individuals utilise the internet to look up answers to their own medical questions, these search engines will have even more data to employ in scientific investigations.

2.The use of technology during Covid-19

Following the coronavirus epidemic in Wuhan, China, new digital technologies are being put to use by first responders, authorities, doctors, schools, and a variety of other groups in order to limit the virus and find remedies. The outbreak of Covid-19 has revolutionised the globe since December 2019, and this infectious illness has put the most modern technologies to the test. The NHS's massive expansion in the use of technology has made it considerably easier and more comfortable for patients to access the treatment they need remotely. As a result, the chance of catching the Virus is reduced. With software like;

- The NHS App gives consumers on their phones or smart devices access to a wide range of NHS services.
- Patients may pick which pharmacy they want their prescription sent to using e-prescription services, eliminating the need to visit a GP or see a doctor in person
- Virtual Appointments allow patients to communicate with their doctors through phone, video, or text messages via the NHS app.

It is apparent that the massive expansion in the usage of digital technology is due to need. Remote methods, such as the ones listed above, have proved successful in addressing the NHS's overburdening problem.

3. The use of digital communication, collaboration and participation

Communication, cooperation, and involvement refers to the knowledge, abilities, and attitudes required for online communication via software or applications, and is a common capacity for carers and care receivers. It refers to interacting with other users and engaging in online communities by connecting and cooperating with them. Interacting with individuals and participating in online activities with others are also part of it.

It relates to the study of communication protocols, such as how digital data is distributed, displayed, and maintained. It refers to keeping in touch with folks over the internet in both written and verbal communication. It refers to how work is organized and collaborated on the internet. It's the capacity to collaborate with others through the internet.

4. Digital identity, well-being and safety

A digital identity is a set of features and information about a single person that is kept and utilised for online transactions and interactions. There are four types of digital identities:

- As a credential, digital identity is used. It is the most important piece of information that individuals have used to identify themselves in the past. It's on government-issued documents including driver's licences, passports, birth certificates, and health cards, among others.
- As a character, one's digital identity. It would be akin to a self-portrait of a person on the internet. For example, an Instagram account, a YouTube channel, and so on.
- As a user, you have a digital identity. This version is a collection of data on a certain user. This would be gleaned from things like search history, preferences, hobbies, and viewing history, among other things.
- The repute of one's digital identity. This is based on publicly accessible data and data compiled by reliable third parties. Criminal records, career histories, academic degrees, and so forth are examples of this.

Because our digital identity is an extension of our offline reality or of who we are, it has the potential to influence our lives. This is why it's so crucial to keep yourself protected. Securing our information using passwords that are changed on a regular basis, protecting our devices with particular software, distrusting messages from strangers or questionable addresses, and not entrusting our authentication codes or passwords to anybody.

5. The use of digital literacy for professional career development

Our society's ability to adapt to new learning tools and styles of working from home depends heavily on digital literacy. People are more connected than ever before, and digital technology is continuously transforming the way we learn and work. We can transform education by employing digital tools to promote learning, thanks to technological breakthroughs. Today, a variety of platforms provide a variety of digital certifications to assist students bridge the skills gap and improve their knowledge and abilities in this important sector.

Millions of students and employees have been forced to stay at home due to the prevalence of the coronavirus throughout the world, prompting academic institutions and businesses to adopt digital learning. Online training has also become the finest alternative for ensuring education, and video streaming technologies such as Zoom, Google Meet, and others are used to accomplish this.

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

Technical proficiency refers to the abilities required for a particular job or trade. It is essentially about having knowledge in the sense of being knowledgeable and capable of employing certain important tools in order to meet the daily performance requirements of that particular job or profession.

Basic job abilities are those that are required to perform the majority of professions in the workplace. They're frequently picked up during mandatory training. We're talking about abilities like reading and writing, fundamental math operations, understanding of office automation and the Internet, and so on. Knowing how to get on the job market and understanding the industry in which you wish to work are equally important skills.

Conclusion

Overall, the use of technology has impacted the world of healthcare in a massive way. Definitely for the better and it is likely that it will keep changing, evolving as well as adopting new technologies and practices. It is also more than likely that many of the practices, software and apps introduced because of Covid-19 will stay as to reduce unnecessary contact and keep the virus spread to a minimum.

Resources

<https://builtin.com/healthcare-technology>

<https://aimseducation.edu/blog/the-impact-of-technology-on-healthcare>

<https://www.weforum.org/agenda/2020/04/coronavirus-education-global-covid19-online-digital-learning/>