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Module Code: LCHS : 4002

**Module Name : Digital Skills And Research
Methods**

**Topic: Digital Communication Collaboration And
Participation In Healthcare**

Group Leader: Agyeiwaa Mensah

Lecture: Amitave Banik

Overview

- ❑ Digital Communication
Collaboration And Participation
in Healthcare
- ❑ Conclusion
- ❑ References



Digital Communication Collaboration and Participation in Healthcare

- ❑ Digital Communication collaboration and Participation looks at the ways in which you interact with others, it focuses on how you work with people, join in and connect through digital means (John R. Barry et al,6 Dec 2012).
- ❑ Digital Collaboration is the practice of people working together through online means, a tool for collaborating can help you work together remotely in different times.
- ❑ Digital communication is one of the most important tools in our society at moment.
- ❑ Is the Process of transmitting information from one person to another using digital devices(email, websites,blogs,social media, zoom).
- ❑ Transitioning from face to face to online(done virtually consulting).
- ❑ Can help develop a person centre approach to care including enhancing face to face engagement, helping catch problems early and saving time.
- ❑ Flexibility to accessing services.
- ❑ With digital communication productivity increased in all aspects in the healthcare.



Conclusion

- ❑ I can conclude that digital communication has greatly reduced the number of patients in the Hospital.
- ❑ I can also say that with digital communication have help people`s lives become easier in all aspects, bringing people and companies closer together.

Name: Grace Nuwabine

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Module code: LCHS:4002

Topic: Use of Technology During the Covid-19
Pandemic

Group leader: Agyiewaa mensah

Lecturer: Amitave Banik

- ❑ Technology
- ❑ Types of Technology Used
- ❑ Importance of Technology to Covid 19
- ❑ Conclusion
- ❑ References



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Covid-19 and technology

- ❑ The worldwide pandemic known as COVID-19 lead physical distance which sparked the idea of incorporating technology into the workplace (Deedra et al, 2020).
- ❑ Technology today is now a great force influencing all sectors making them have impacts ranging from working from home to making tasks easier to carry out (Eileen et al, 2021).



Types of technology used

- ❑ Hardware: Computers, Video devices, Wearable devices.
- ❑ Software: Zoom, Facetime, Whatsapp, Google apps, zoom, Microsoft teams, NHS app, Track and Trace (Deedra et al, 2020).



Importance of Technology During Covid-19

- ❑ Enabled continuance of work using digital channels such as zoom, Microsoft teams and google apps.
- ❑ Enhanced connectivity and communication between colleagues and clients
- ❑ Access to urgent medical needs using the NHS apps.
- ❑ (Westgarth, 2020)



Conclusion

- ❑ Technology in healthcare underwent a transformation across all industries to keep everyone healthy.
- ❑ Artificial intelligence and computerised machines were also used as a result of technology to improve living.
- ❑ (Deedra, 2020).

Name: Taiwo Hassan Apelogun

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Module Code: LCHS4002_Lon

Module Name: Digital Skills and Research
Methods

Topic: The relevance of technical proficiency for
data and information handling

Lecturer's Name: Amative Banik

Overview

- ❑ Introduction
- ❑ Importance of technical proficiency in data and information handling
- ❑ The relevance of technical proficiency for data and information handling
- ❑ Conclusion
- ❑ Reference

Introduction

- ❑ A firm understanding of technological concepts is required to efficiently handle data and information as technology changes in today's societies. Suppose someone has the necessary technical expertise to gather data, store data, analyse data, display data, and secure data. In that case, such individuals can be confident that their data will be well-managed, readily available, and secured from illegal access.



Importance of technical Proficiency Data Information Handling

- ❑ As technology changes, it is essential to learn how to handle data information technically. This is because data tools are continually being developed to help manage and analyse data better than the old ways.
- ❑ Technical proficiency in data and information handling can increase efficiency and productivity, as individuals can automate data analysis processes and streamline workflows.
- ❑ Considering the increasing amount of data being generated every day, technical proficiency in data and information handling allows individuals to effectively collect, store, manage, and analyse large volumes of data.

The relevance of technical proficiency for data and information handling

- Knowing tools like Microsoft Excel is relevant in handling data and information with reasonable interpretation.
- Additionally, a person with technical proficiency can easily navigate different tools to gather data and information required for analysis within an organisation.
- Besides, the relevance of data and information handling can use statistical and machine learning methods to find the best result-oriented virtualisation.
- The data and information technology competence can be in Microsoft Excel, Python, R, or SQL to deliver relevant insights.



Conclusion

- ❑ In conclusion, as technology changes in demand for data and information we use, individuals need to upskill their careers to be relevant to technical proficiency for data and information handling.

Name: Maria Miguel

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Module: LCHS: 4002_ london

Module Name: Digital Skills and research
methods

Topic: The use of Contemporary
Technology(diagnostic, administrative and care
support)

Lecture Name: Amative Banik

OVERVIEW

- ❑ Introduction
- ❑ The Use Of Contemporary Technology In Healthcare(Diagnostic, Administration And Care Support)
- ❑ The Different Types of Technology in Healthcare
- ❑ Conclusion
- ❑ References

The use of contemporary technology (diagnostic, administration and care support).

- ❑ The use of contemporary technology has improved healthcare, health the way we live in society.
- ❑ Technology has changed the way we consider patient concerns in hospital management, discover innovative better drugs and predict the cause of treatment based on data.
- ❑ Therefore contemporary technology in healthcare also improves communication with families, other components such as professionals and between members of staff, sharing good practices less invasive surgery, less blood loss, smaller incisions, less scaring and fast recovery using robot assistance during surgery.



The different Types of Technology in Healthcare

- ❑ Artificial Intelligence: Artificial Intelligence, particularly in a computer network, is the simulation of cognitive processes by machines. Natural language processing speech recognition and machine vision are just a few examples of particular applications of AI.
- ❑ Health workers and researchers are interested in the use of artificial intelligence in the healthcare industry. There haven't been many studies that have examined this subject from a multidisciplinary angle.
- ❑ Telemedicine: This is a form of direct conversation. Telemedicine is the practice of delivering therapeutic interventions and remote health assessments through the use of communication and information technology.
- ❑ Robot: Robotics in healthcare is a relatively novel idea. It is unclear how the public perceives and accepts certain ideas. Robots are widely regarded as having advantages and use in healthcare, but some people are wary of them. Future acceptance of the introduction of robots into processes is likely to be influenced by individual views and feelings toward robots in general.

Conclusion

- ▶ The reason the use of technologies in healthcare is very important and has a growing impact on the health policy of an organization or for a specific country or a health institution.
- ▶ There we can conclude that contemporary technology in healthcare has improved information patient safety.



Name: Agyeiwaa Boakye Mensah

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Module Code: LCHS4002

Module Name: Digital Skills and Research Methods

Topic: The use of digital literacy for employee wellbeing and their professional career development

Lecturer's Name: Amative Banik



- ☐ Introduction
- ☐ Digital Literacy in Health Care
- ☐ Modern Softwares Used in the Health Care
- ☐ Conclusion
- ☐ References

DIGITAL LITERACY IN HEALTH CARE

- ❑ The use of technology is becoming an important aspect of our daily lives both personally and professionally.
- ❑ According to the World Health Organization (WHO), digital health is the capacity to look for, comprehend, and evaluate health information from electronic sources and then use that information to address a health issue.



**World Health
Organization**

MODERN SOFTWARE USED IN THE HEALTH CARE

- ❑ **VITALPAC:** used to evaluate patients' vital signs in hospitals, specifically in all inpatient clinical settings.
- ❑ The vitalpacs system enables doctors and nurses to make better judgements by providing them with real-time information.
- ❑ It will alert users if the patients vital signs are outside the acceptable limits.
- ❑ **EPIC SOFTWARE:** Due to its telehealth features, patient portals, scheduling, and billing capabilities, the integrated electronic health records system has been adopted by many institutions. It provides innumerable answers to healthcare administration, patient communication, and workflow.
- ❑ It is also beneficial since it provides numerous patient care-related features, including scheduling and registration, clinical systems for doctors, nurses, and other healthcare professionals.

CONCLUSION

- ❑ According to Kennedy and Yaldren (2017) we can determine that.
- ❑ The use of digital literacy is **essential** for personal and professional development, participation and well being in the delivery of modern health and social care.



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