

Digital Skills and Research Methods

Module code: LCHS4002

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Research topic : Digital communication, collaboration and participation.

The use of contemporary technology in healthcare (diagnostic, administrative and care support).

The use of digital literacy for employee well-being and their professional career development (Teaching, e-learning and self-development)

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INTRODUCTION

The use of health information has been of great importance in the health sector for years now since it helps in transforming and improving the sector in many ways. Technology in the health sector help reduce human errors, helps increase the practice efficiencies among the workers and the patients, helps increase the clinical outcomes in an organization, also helps in facilitating career coordination within the health sector.

Employee well-being is achieved when there is good communication between the management and the patients who are admitted to a health center.

It helps in consolidating and ensuring that there is proper coordination in delivering the services.

When all these three aspects are combined, the work rate and productivity within an organization increase since there is proper coordination between the management, workers, and the patients who get admitted to the healthcare center.

Digital communication, collaboration and participation

- **Introduction**

- This is how people interact with others; it mainly focuses on how people work with one another; they join in and create a good connection with others digitally (Byrnes et al., 2021).

- Communication can be done through the use of digital tools like emails, social media, sharing photos, doing different presentations and sharing videos.

- **Ways digital communication is used in transforming the healthcare sector**

- **1. Patient handoff tools.** Handoff is a situation where the role of one medical professional is handed off to another; this occurs when maybe a patient is transferred from one department to another.

- Patient handoff tools enable the process to occur successfully, but usually, they take various forms to happen.



The use of digital collaboration and participation in the healthcare sector

It helps in improving team interaction. It is applied in regions which are geographically dispersed.

Quick access to information. It becomes easy for healthcare workers to get the right information which is required for their services.

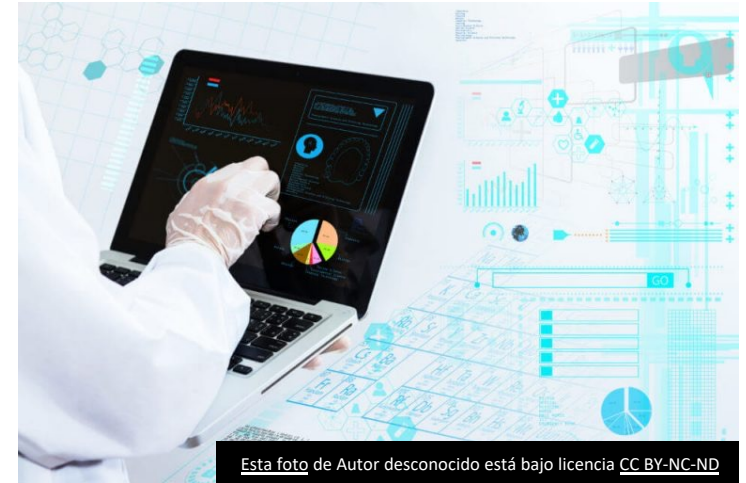
It increases knowledge sharing. Doctors, nurses and medical educators can share knowledge through digital collaboration (Lee, Park and Lee, 2019).

It enables the removal of the healthcare silos

It becomes easy to remove any form of silos within the healthcare center, thus leading to high team productivity.

Conclusion

Empowering digital communication, collaboration and participation in the healthcare sector are achieved through effective tools that help the practitioners conduct their work well in giving proper treatment to the patients.



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The use contemporary technology in healthcare

Introduction

In current years, Internet of Things has come a long way and is well emerged within many organizations and fields covering the sector of healthcare. The continuous execution of Ioft within the field of healthcare will direct to a fast rise in productivity and examination of data.

Ways that we can find contemporary technology's

This technology is been used along all healthcare sector in United Kingdom and around the world, it helps doctors diagnostic patients health issues. Health clinical information technology presents numerous opportunities for improving and transforming healthcare.



- **Diagnostics:**

Blood tests

Imaging devices

Pathology

Administrative:

It plays a critical role in virtually every healthcare organization, it includes many roles in the healthcare sector and create plans for patients.

Care Support:

The care support, has a mix of finance, practical and emotional support for patients who are in need of extra help to manage independently, especially those who are in long term illness, mental health and disability.

Conclusion

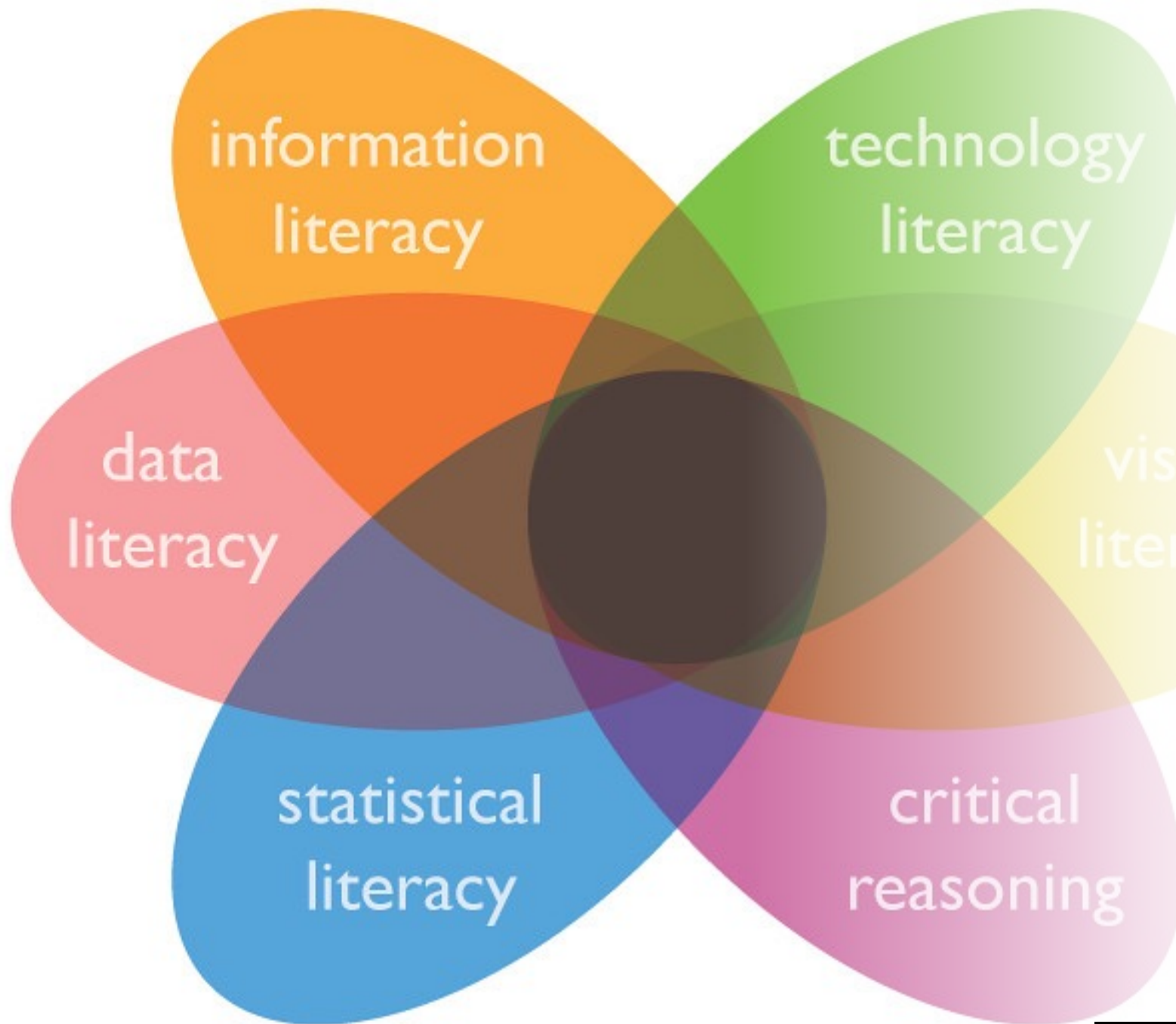
This concludes the end of presentation and the information gained shows how contemporary technology helped most patients safety and helps to diagnoses prompt



The advantages of digital literacy in society:

- Problem solving
- Adaptation
- Communication
- Multidisciplinary
- Improved focus and attention
- The advantages of digital literacy in society:





- Digital literacy is the skills necessary to achieve digital competence, supported by basic skills in TIC and in the use of computers, with the aim of:
- **Retrieve**- Specific technical processes , which aim to stabilize the physical or chemical damage caused to the document ,in addition to the total intervention in files that are already degraded.
- **Evaluating** - Success of proper treatment largely depends on the document management applied to these documents in digital media.



The use technology during the Covid- 19 pandemic

- Zoom meeting was been carried out via video calls
- Mobil Apps were used for test traced contact
- Consultation was done online
- Online shopping increased
- Schools and office works were done online

CONCLUSION

The presence of digital technology and communication has been facilitated through the presence of digital communication tools and telescopes, semi-autonomous service elements like robots, and artificial intelligence.

Employee wellbeing involves different aspects that make it important among the workers in any organization.

The social well-being of the workers helps in promoting productivity within an organization, it enables powerful work culture and helps improve the level of retention.

The second aspect is emotional wellness; the employee needs to be in a position to be disconnected from their work environment to have their own time to promote overall well-being.

The third aspect is environmental wellness. The working hours, and deadlines determine the well-being of the workers.

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