

Digital skills and Research Methods

Module code :LCHS4002

Module Leader :Amitave Bank

Student name: Charlene Ilangala

Student ID: 2134122

Topic :

The use of technology during covid-19



- ▶ During covid-19 pandemic the world health care organization has created digital health technology and safe test which is called PCR (Polymerase Chain Reaction)
- ▶ In NHS during pandemic most of digital technologies used were remote health service. (telephonic consultation)
- ▶ Anyone who was tested positive the government /NHS could track patients by wearable items eg :
 - ▶ Bluetooth
 - ▶ GPS technologies
 - ▶ Smartwatch

Communication

During pandemic most patients did not see their family members. Social medias virtual communication technology have been used during that period to keep families in touch such as.

- ▶ WhatsApp,
- ▶ FaceTime,
- ▶ Hangouts,
- ▶ Facebook Messenger,
- ▶ Telegram, Instagram,
- ▶ Snapchat ...



References

- ▶ <https://www.who.int/teams/digital-health-and-innovation>
(Access on 14/07/2022)
- ▶ <https://preview.redd.it/rwqw62yabnv21.jpg?auto=webp&s=1ca1a46de83c4a4c9f15285e544fa46916a7d12d>
(Access on 10/07/2022)
- ▶ <https://innovations.bmj.com/content/6/4/259>
(Access on 07/07/2022)

Digital Skills And Research Methods

Module code : - LCH5 4002

Module Leader : Amitave Banik

Student Name : Semmie
Adeniran Ogunwolu

Student I.D : - 2130575

Research Topic:

The relevance of technical proficiency
for data and information handling



Useful Information

- ▶ Definition /meaning of the topic.
- ▶ How data and information were handled and stored before?
- ▶ Advantages and disadvantages of old style data and information handling.

Modern style

- ▶ Reasons for modern style of data and information handling
- ▶ What are the different ways of data and information handling?
- ▶ Advantages & Disadvantages of data and information handling
- ▶ Why is data and information handling important?
- ▶ Legislation for data and information handling.

References

- ▶ <http://www.gutcheckit.com>
Access on 06 Aug 2022
- ▶ <http://www.investopedia.com>
Access on 10 Aug 2022
- ▶ <http://www.ico.org.uk>
Access on 15 Aug 2022



The use of digital communication, collaboration and participation

- ▶ Module code : LCHS4002
- ▶ MODULE Leader: Amiatave Bank
- ▶ Student name: Luta falanga
- ▶ Student number: 2132854



The role of digital technology in NHS

- ▶ The role of the digital technology in health and social care, the same as in the others industry sectors is having a huge impact in the people live society in general.
- ▶ The digital communication in united kingdom is now part of modern health systems and services provided by NHS and private sector of health, most aspects provided are now digitalised.
- ▶ The pandemy covid 19 have boosted the digital communiton in the health and social care services because of the restriction most of the consultation

Was via digital communication technology.

Patient communication

- ▶ The impact of digital communication on patient, overall the impact was positive but they are also some negative effects of the digital communication
- ▶ Further more digital technology are posing some challenges to the health and cares system, to the society in general.
- ▶ We all know the important of face to face for some of the patient speaking to some one who are critical, is why digital communication has to be there to support doctors ,nurses and all health patients and pubic

REFERENCES

- ▶ [javasoftware.com/?query=Inventory Software&afdToken=ChMIjlLJtPjl-QIVCWHACH2GJwaDElDcHWDVe8Z6nOCgFaTC9MwEaJ6giWzNaRQvpVKtfwBgM_7-Oz29149qom9wWyslHxjcqCJVs9eRaOiuz2OuBzvO7X-int22qdqrAtFU4RIbA&pcsa=false&nb=0&nm=9&nx=168&ny=73&is=500x472&clk_t=224](https://javasoftware.com/?query=Inventory+Software&afdToken=ChMIjlLJtPjl-QIVCWHACH2GJwaDElDcHWDVe8Z6nOCgFaTC9MwEaJ6giWzNaRQvpVKtfwBgM_7-Oz29149qom9wWyslHxjcqCJVs9eRaOiuz2OuBzvO7X-int22qdqrAtFU4RIbA&pcsa=false&nb=0&nm=9&nx=168&ny=73&is=500x472&clk_t=224)

Access on 15, Aug, 2022

- ▶ [Welcome to the University of Warwick](#)

Access on 15 Aug 2022

Digital Skills And Research Methods

- ▶ Module code : LCHS4002
- ▶ MODULE Leader: Amiatave Bank
- ▶ Student name: Micheal ksitu
- ▶ Student number: 2130580

The use of technology in healthcare



Person Centred Software

- ▶ Justification Is to improve resident safety and person centred care home.
- ▶ you can create profiles for each of your service users that contain a detailed record of their care provision.
- ▶ This includes an overview of their basic information, medical history, emergency contacts and more.
- ▶ The way of thinking and doing things that sees the people using health and social services as equal partners in the planning, developing and monitoring care to make sure it meets their needs.

- ▶ To look at correlating data between number of falls and time of day. This could indicate possible causes for falls in relation to actions that occur at those times e.g staff change overs, staffing levels, sundowning (Dementia).
le;
- ▶ Errors in individual data items
- ▶ Systematic errors
- ▶ Violation of protocol
- ▶ Problems with individual staff or site performance
- ▶ Fraud or scientific misconduct

Quantitative

- ▶ Break the day into hourly / 2 hourly periods and see how many falls occur during a 3 month period in those times.
- ▶ Add on more staff to manage the frequent falls of residents also to have regular meetings of how to manage the situation.
- ▶ The purpose of using quantitative research for nursing is that it uses an accurate approach for collecting and a

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CREDIBLE SOURCES

- ▶ Credible sources would be primary research direct from care homes own electronic recording. Research papers regarding falls would also assist in finding possible causes to falls.

From family members or friends also from resident if has capacity.

REFERENCES

- ▶ Department of Health , Social Services and Public Safety .*Quality2020: A 10 - year strategy to protect and improve quality in health and social care*. Belfast: Department of Health, Social Services and public Safety, November 2012
- ▶ Health and Social Care Act 2012 , section 13H
- ▶ Department of Health . *he NHS Constitution for England* .Department of Health, 2013. www.gov.uk/government/publications/the-nhs-constitution-for-england
- ▶ Author :CQC , (2022), *Regulation 18: Notification of other incidents* .[Online] Available from: <https://www.cqc.org.uk/guidance-providers/regulations-enforcement/regulation-18-notification-other-incidents>

[Accessed: 13/6/2022]