

THE USE OF TECHNOLOGY, DIGITAL TOOL, AND TECHNIQUES TO IMPROVE EFFICENCY IN THE HEALTH CARE SECTOR

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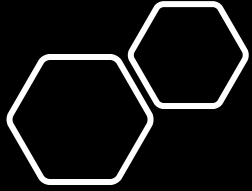
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CONTEXT PAGE



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2. How do we use technology in health care
3. The use of technology during the covid 19
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The use of contemporary technology in health care.

What is technology?

Technology is when you apply years of scientific research to make our life as humans easier and more efficient

‘Technology uses scientific principles, and applies them to change the environment in which humans live. Technology can also use scientific principles to advance industry or other human constructions.’[2]

There are many different types of technology but we will mainly be focusing on medical technology and how it has made certain day to day task more efficient in health care.



What is Contemporary technology and how is it used In Health care?

- Contemporary technology is also known as “New Technology/Modern Technology”
- So when we talk about contemporary technology we are talking and \ Referring to today technology and how advance it has become and reliable It is

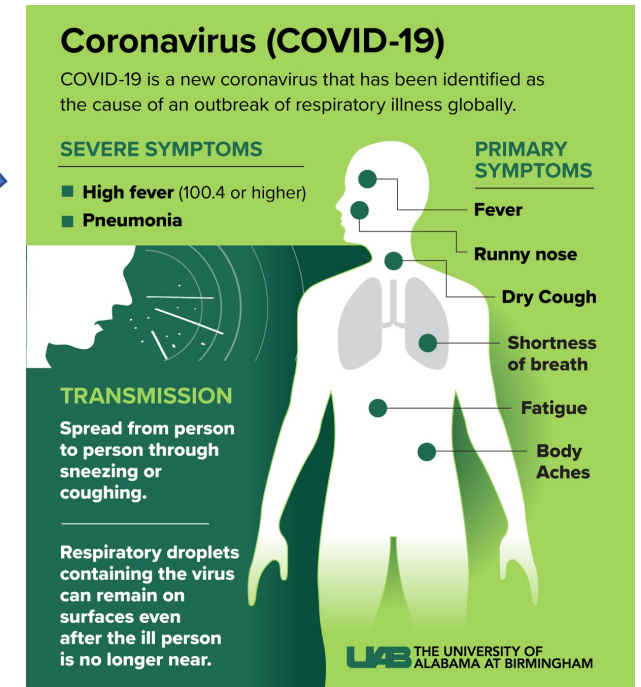
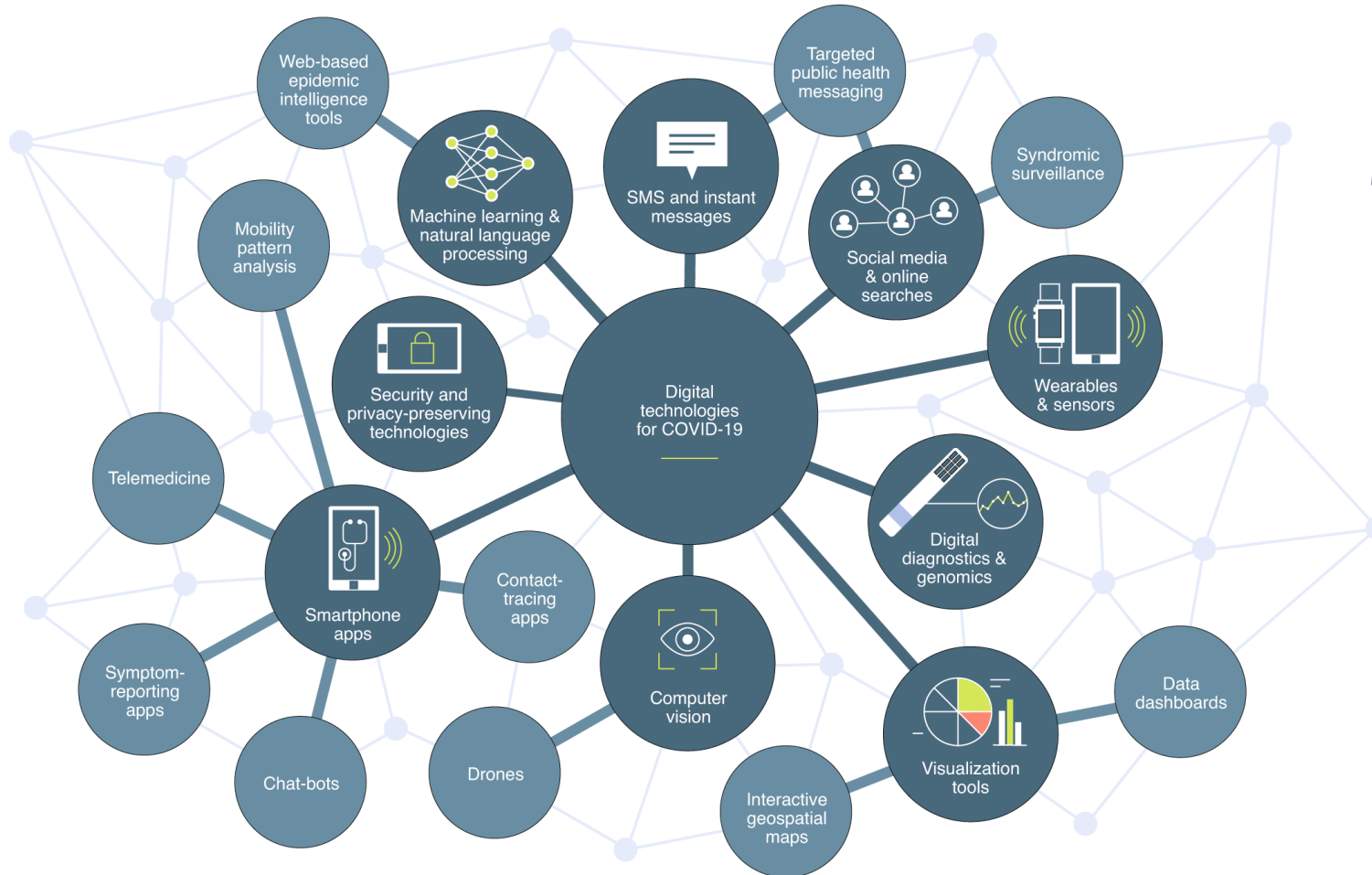
We as human rely more on contemporary technology rather than traditional Technology because of how far we as a generation and society have come.

How do we use technology in health care

- Health care has come a long way when it comes to technology.
- Technology has taken over health and social care
- From taking appointment, from artificial intelligence, medical/operation robots and etc.
- Covid 19 was big display on how we now heavily rely on technology when it come to providing good health



THE USE OF TECHNOLOGY DURING THE COVID 19 PANDEMIC



- A lot of technology used in the global pandemic was increased when covid 19 was first discovered. Along side this,
- New technology was generated to support both clinicians and patients during these harsh times.

EXAMPLES OF USES OF TECHNOLOGY DURING COVID 19

- The Covid 19 System Tracker App was used for individuals to track their daily health and any
- potential symptoms produced by the virus. E.g. deaths , current covid cases , severe symptoms
- Patient knows best , patient knows best was set to support health and social care professionals in
- combining patient data with their own information to produce a safe personal health record for the
- user
- Patient access is a practical online tool that enables you to schedule appointments, request
- repeat medications, examine your medical data, and send the practice secure communication.
- NHS App In the year 2020 March, Registrations for the NHS App, which lets users access a variety of
- NHS services on their smartphone or tablet, rose by 111 percent.
- Virtual clinic and telephones studies shows patients with chronical diseases would use
- these services . Helped to minimize appearance at A&E during the covid 19 pandemic .
- E-Prescription services also grew With 1.25 million nominations in march, patients choose
- which pharmacy they want their prescription sent electronically to.
- World meter' provides real-time update on the actual number of people known to have
- COVID-19 worldwide, including daily new cases of the disease. E.g. recovered recovered patient, all deaths and critical patients

WHAT IS DIGITAL LITERACY?



Digital literacy is referred to to an individual's ability



to communicate and find vital information through



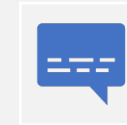
different media platforms.



It includes the evaluation of the individuals grammar



as well as the typing skills which includes the ability



to produce images, texts etc. using modern



technology.

Teaching, E-Learning, Self Development

The use of digital literacy was used for the well being of employees by introducing easier and effective ways for patients to receive electronic prescriptions, Even without face to face appointments. The healthcare also introduced the NHS app which informed patients and kept them up to date about the jabs they had and if they have come into contact with someone who has COVID19.

(Nhs website 2021)

(Ana B. Bernardo 2021)

(Kumar,A Sakar,MDavis,E. Et al 2021)



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REFERENCE PAGE

- [1] <https://www.g2.com/articles/what-is-information-technology>
- [2] <https://study.com/academy/lesson/what-is-technology-definition-types.html>
- [3] <https://medium.com/@darksoul.oreo7/technology-inspiration-7bda0a0a42f>
- [4] <https://www.sharecafe.com.au/2020/01/17/technology-is-reshaping-modern-medicine/>
- [5] Actasanitaria.com. 2022. [online] Available at: <https://www.actasanitaria.com/uploads/s1/15/56/06/9/the-impact-of-covid-19-on-the-use-of-digital-technology-in-the-nhs-web-2.pdf> [Accessed 22 July 2022].
- [6] Support.patientaccess.com. 2022. [online] Available at: <https://support.patientaccess.com/registration/how-does-patient-access-work#:~:text=Patient%20Access%20is%20a%20website%20that%20displays%20information,to%20your%20practice.%204%20View%20your%20medical%20record.> [Accessed 22 July 2022].
- [7] Nature.com. 2022. [online] Available at: [Digital technology and COVID-19 | Nature Medicine](#) [Accessed 22 July 2022].
- [8] Patients Know Best. 2022. About - Patients Know Best. [online] Available at: <https://patientsknowbest.com/about/> [Accessed 22 July 2022].
- [9] Nature.com. 2022. [online] Available at: <https://www.nature.com/articles/s41591-020-1011-4> [Accessed 22 July 2022].
- [10] <https://edureach101.com/teaching-students-digital-literacy/>
- [11] https://www.google.com/search?q=digital+literacy&rlz=1C5CHFA_enGB937GB938&source=lnms&tbm=isch&sa=X&ved=2ahUKEwjWx7W5ipX5AhX7QUEAHRfYC44Q_AUoAXoECAIQAw&biw=1200&bih=690&dpr=1#imgsrc=0lstkDosXdWb4M

- Actasanitaria.com. 2022. [online] Available at:
- <https://www.actasanitaria.com/uploads/s1/15/56/06/9/the-impact-of-covid-19-on-the-use-of-digital-technology-in-the-nhs-web-2.pdf> [Accessed 22 July 2022].
- Support.patientaccess.com. 2022. [online] Available at:
- <https://support.patientaccess.com/registration/how-does-patient-access-work#:~:text=Patient%20Access%20is%20a%20website%20that%20displays%20information,to%20your%20practice.%204%20View%20your%20medical%20record.> [Accessed 22 July 2022].
- Nature.com. 2022. [online] Available at: Digital technology and COVID-19 | Nature Medicine
- [Accessed 22 July 2022].
- Patients Know Best. 2022. About - Patients Know Best. [online] Available at:
- <https://patientsknowbest.com/about/> [Accessed 22 July 2022].
- Nature.com. 2022. [online] Available at: <https://www.nature.com/articles/s41591-020-1011-4>
- [Accessed 22 July 2022].