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Digital Skills in Healthcare
Assessment 1

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1. Introduction

My name is Rosa Alexandra Bernardoni Cedeno I was born in Ecuador, moved to Italy in 2000. Growing up I developed an interest of health but never put it to practice. When I decided to take a new challenge to come to live in London in 2016. With great certainty that I wanted to pursue the career as a Health and Social Care professional.

In February 2021 I have begun taking part in the Health and Social Care online course. This course started with two modules such as Digital Skills and Research Methods, and Academic and Employability Skills (ACE).

In this module, Digital Skills and Research Methods, I learn to be confident with the use of computers and online information sources. It helps me to support my studies and gave me the abilities to understand the amount of information that is available through digital media and how it can be use in the workplace environment.

When I started this course, I did not expect to find myself studying some interesting topics such as the use of technology in the healthcare industries and what are the radical changes it has brought over the course of not many years.

In this report I will write about the use of technology, digital tools and techniques to improve efficiency in healthcare and about how modern technologies are impacting our daily life.

2. Technologies in Healthcare

In healthcare industry, digital technology helps transform Healthcare systems into systems that can work in the field for both, patients and professionals, by equalizing the relationships between them. Finding yourself working in the Healthcare field is becoming increasingly exciting, cheap, fast, and effectively good for disease, and all this thanks to innovative technologies, advancing at exorbitant speed.

In 2021, digital technologies such as AI, blockchain, voice search, chatbot and virtual reality are selling like hot cakes in the world of medicine. The life as healthcare professionals is being influenced day by day by new discoveries via technologies that can be in data collection, research, and treatments, wherever it is, nowadays is possible to create innovative ways in the healthcare sector. The future Is now!

There are currently two categories of people who appreciate new inventions differently, those who think technology is a useful tool and those who see technology a tool that affects people in the wrong way. However, regardless of what we all think we must realize that the process from old to new is simply unlimited, no one can escape the absolute necessity of technology in our daily life and without a shadow of a doubt we are living in a huge technological development in almost all sectors; in communication, education, decisions making and problems solving, in health and in many other places all over the whole world.

Technology allowed the whole world to stay in communication during the Covid-19 pandemic, it has allowed health professionals to work more efficiently given the number of patients who have needed medical care in recent years, technology facilitated access to information, time savings, ease of mobility, improved health and social work, improved better learning techniques and disability.

Smartwatches, robots, self-driving cars, artificial intelligence, big data and cloud technology can be called part of contemporary technology.

3. Digital Skills

Nowadays, computer is everywhere on every side: in tv's, phones, microwaves, watches and much more.

Digital means to involve the use of a computer technology.

In healthcare and in the whole world there is a tool which name is Internet that is being used from everyone, everywhere and it gives the possibility of a radical change in our lifestyle in multiple sides such as theatres, telegraphs and newspapers were for entertainment but were quickly replaced by cinema and tv.

Health Care Professionals require to have specific skills as the knowledge of digital literacy that is needed to run and meet with technology and media. "The ability to understand and use information in multiple formats from a wide range of sources when it is presented via computers" **(Gilster, Paul. 1997).**

As everyone case in this period with the event of Coronavirus pandemic we care to be digital since helps to be connected, to learn fast, to save money and time. When we are busy, for example, and we must shop we can place an order online in less than 5 minutes at a cheaper price with even the best offers, learning fast which website is more convenient.

4. Computer

Unfortunately, I do not have a position in the field yet and therefore I do not know for sure what type of technologies are used in the various Health Centers. However, from my studies I have realized that one of the businesses in the health sector is keeping people safe and to have this type of result, intelligent systems should be set up to make technologies continuously available throughout the facility, starting from knowing what means COMPUTER which acronym stay for Common Oriented Machine Particularly Used for Trade and Education Research.

Computer is an electronic/intelligent device that can complete varieties of tasks by given a set of instructions and it can control multiple tasks like documentation, accounting, designing and many more.

A few decades ago, the information was all written analogically and therefore needed time and money. Nowadays with the arrival of modern technologies, the healthcare sector has access to all information in a brief time and with an incredibly low margin of error. To make this possible it is required a computer that has enough memory to hold millions of Data that can have meaning or not.

5. Data

A Data can be with or without meaning but through the computer, Data can be convert in a meaningful information. In a hospital, for example, it is essential that the data is provided.

The computer to access the information must have an internet connection which is a network of computers connected to other computers around the world. The use of this specific digital platform allows the user to navigate within communication data, sharing, interest, promotions of good products and more than what our eyes can meet. Internet is essential during the Covid-19 pandemic since the strengthening of social isolation.

Recent technologies are improving helping exponentially the growth of data and with the speed that they are received allows professionals in the trade to work efficiently and continuously without losing essential information such as patients details. As an example, the access to Electronic Health Record (EHR) has resulted in a centralised storage of all patient's data and for improved care and better outcomes **(Week 2, 2021, Scope of Digital Technology in H&Sc).**

6. Cloud Computing

In the third week, studying Digital Skills Module, we had delivered into cloud computing.

Cloud Computing It is a service in which data is saved, managed and backed up remotely and made available to users on a network (**Dinesh,2017**), a network that allows access from anywhere using Internet. This wonderful technology in the industry of healthcare is giving expectation of the global market to increase during 2020-2024 and with the Covid-19 this vision has been reinforced.

In the health sector it is known that cloud has only brought great benefits for better processing: service providers can transfer data to each other via a server and with the complexity of the amount of data, it can be a crucial solution to support clinical decisions, through Artificial Intelligent as this is a lot of data to manage by a human. Everything gets better and better but more complex also given the fact of the size of information expands and become more accessible.

As in any figure that is based on the power of technology, obviously there are disadvantages, disadvantages that even if few can be crucial if in a database are found viruses or a theft of private information.

7. Conclusion

This essay has discussed key areas of DSR module and has argued that is important the knowledge of new technologies in the Health and Social Care Industry. This provide to me to have more chances to get a better job in this field and with certainty it is providing positives working skills.

Personally, I believe that thanks to this module I can evaluate and interpret the use of new technologies to improve efficiency in health facilities, to develop digital skills in the workplace.

Reference list

- DATA, *Cambridge Dictionary*. [Online]:
<https://dictionary.cambridge.org/dictionary/english/data>, 2021
- Dinesh,2017
- Gilster, Paul. Digital Literacy. New York: Wiley and Computer Publishing, 1997. P.1.
- James Long, *Cloud Computing in Healthcare*, [Online]: [Cloud Computing in Healthcare](#)
- [Week 2, Scope of Digital Technology in H&Sc, 2021](#)