

Conduct Secondary Research On The Use Of Technology In
The Modern HeathCare WorkPlace — Moodle on the learning
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ABSTRACT

The last two decades have been an explosion in development of the new information and communication technologies such as the ICT across the UK social care and modern health care workplaces. Social supporters believe that ICT can help solve urgent problems. Using new information technology has provided remarkable opportunities to decrease medical errors across the world. It also supports healthcare specialists, increases the efficiency and even out the quality of patients' care and safety studies are shown that new digital technologies are improving wellbeing around the world and the healthcare dispensing by health care workers. There was time when health care workers were enrolled such as the doctors and nurses by dividing them into two groups. One group will be using conventional paper work while the other will be using electronic health record system, computer, patient clinical information systems vs using mobiles for health care. The study has shown that the 90% of doctors and 95% nurses found that CPOE has improved their health care dispensing but it did not affect the outcomes of the patients in the long run. Another important finding in this study was the use of phones which has helped the health care workers such as the doctors and nurses in better health care especially in following up patients. Today the design of most healthcare technology are usually taken by the considerations of healthcare professionals and technology companies. This has several benefits, but people usually argue that there is a need for a supplementary design and approach on the basis of citizenships or his or her everyday life. An approach where the main focus is to develop healthcare technology that fits the routines of daily life which allows the citizens to continue with the activities they like and have grown used to.

CONTENT

1. Introduction.....	P1
2. Research Objective.....	P1
3. Research Methodologies.....	P2
4. Literature Review.....	P2
5. Data.....	P3
6. Conclusion.....	P4
7. Reference.....	P5

INTRODUCTION

During the coronavirus pandemic the importance of health and healthcare is that it improves the human health and providing access to affordable, high Quality health care is a key of all countries. High Quality health care is also helps prevent diseases and improves the Quality of life. It's shown that most healthy people focuses on improving Heath care Quality and making sure all people get the health care services they surely need. And helping care providers communicate more effectively can help improve health and well-being. In 2020 when the coronavirus was happening during that months down the line the health care work force has taken personal risk to help stem the spread of COVID -19 and new communication technologies such as tele-health have become very extended. For those who don't know, tele-health the provision of healthcare remotely by means of telecommunications technology. Meanwhile, great hopes are placed on innovation to provide a solution in the form of therapies and vaccines.

Research Objective

The use of technology is expected in the health care setting today. Technology make work more manageable in the health care environment. Some of the technologies used today are including the use of electronic health records Which are also called electronic medical records, it helps patients as well as health professionals. And That's because they make it easier for you and your parents, depending on your age to see your health records. Mobile health, Telehealth and telemedicine are also technologies being used today. These technologies enhance the quality of services, ensuring the healthcare processes are safe and cheap for the patients. Nursing schools offer training in technology today such as the use of electronic health record. This makes it easier for nurses to know what is going on in the HER at the health care environment.

As technology is progressing each year so it the use of the health care systems. Nowadays information that technology indoors has and plays a big part in the healthcare industry in order to make it easier to improve patients well-being, outcomes and create a safe care environment. The purpose of this report is to engage in discussing and to provide information to people on a specific topic. Physicians and patients are both experiencing the benefits of information in using in using technology in using the medical information at a particular place and at a particular time. Here is one of the impacts of the information technology in the health care which I already mention...

Electronic Health Record: major impacts of information technology in the delivery of health care is that the medical records have made electronic and stored into the configure software into data. Furthermore which means we do not need to maintain the forms and documents of the patients medical records or history. With the help of information

technology it becomes easier to track and find the health records of any patients at all which will improve the delivery of the the health care in the future.

Remotely delivery healthcare: As people may know this is the most important role that information technology has been delivered and played in the role in the healthcare industry. If patients are far away from their doctors and appointments but with the help of information technology doctors can remotely access the patients for their diagnosis and even treat them then and there so that many patients who are not in remote areas can be treated with medical care. Those are in remote areas are not are not able to take proper medical treatment can take the benefit ms through information technology to access the doctors, nurses or even GP's. Also it can be more cheaper and reliable, it reduces the health care information management labour cost and less chances of medical errors.

Research Methodologies

Technology has changed the healthcare working areas in the world by making this easier and more professional. The healthcare has engaged in technology equipment in the workplace which has increased and enhanced communication between health workers. Healthcare as we know us very sensitive area needs to be effectively managed to provide better care and services for the patients and health professionals. The use of technology in the healthcare sector has changed the way of treating patients, providing support to the healthcare workers and Managing clinical records and data. The technological improvements has acquired a lot of changes in the health sector which has led to positive impact on many other organisations. Due to the technology, there has been an improvement in the communication process between the health workers. In the past, the lack of communication between the health care workers has resulted in severe issues causing complication situation. The lack of interaction and communication in the past has been changed through the use of technology in the health sector. Through the use of technology, effective results and data can be produced for the medical conditions of the patient. The telemedicine has widely improved the way service providers in the healthcare assess care in a professional manner. The patient-entered care is grown by technological use of communication that can be achieved by online portals, email and text messaging. The positive impact on communication is one of the achievements for the healthcare sector that has reduced Many issues happening in the hospitals. The health workers can be effectively participated in the treatment process and share knowledge through communication process assisted by technological.

Technology on medication:

The major issues in the healthcare is medications errors. In the world, there are huge number of deaths of patients who suffer from severe catastrophic condition due to the medications errors. A catastrophic condition is a server Illness requiring hospitalised recovery, For example cancer, leukaemia and heart attack etc. The old way of clinical handover has caused many confusion to the healthcare workers and delivering of wrong and false medications leading to negative effects on the patient health. The implementation

of technological equipment in the healthcare has helped to maintain medication and health records of the patients. The technology has helped to reduce the medications errors enhancing the better care for the patients. As there are a lot of patients in the healthcare department the electronic information on patient records can easily provide healthcare workers to deliver right medications to the patients without any complications. The positive impact of technology in the healthcare is attained by use of telemedicine. The health care professionals are using this record to identify any problems of the patients and then to treat the patient. It enhances the effectiveness, safety, efficiency and equity in the healthcare for better aspects of patients care.

Literature Review

Technologies in health care are growing very fast and very quickly. A health technology assessment is often used to find and answer the question of whether the new technology should be implemented into clinical practices. The role of information and communication technologies in healthcare was written by Giuseppe Ace-to et al and was first announced and appeared in the February 2018 edition of the IT technology HeathCare. IT technologies are on subject in healthcare handling routines and care. Despite the other challenges like the lack of enough drugs and congestion in hospitals there is a need to solving challenges in the health care sectors around the world using technological solutions.

It is essential to have effective communication in healthcare. Patient safety, the quality of their care, and staff satisfaction which depends on how effective it is and timely communication. The advantages for this would be:

1. Communication technology can enhance patient safety
2. Communication technology can enhance patient satisfaction
3. Communication technology that can enhance staff satisfaction

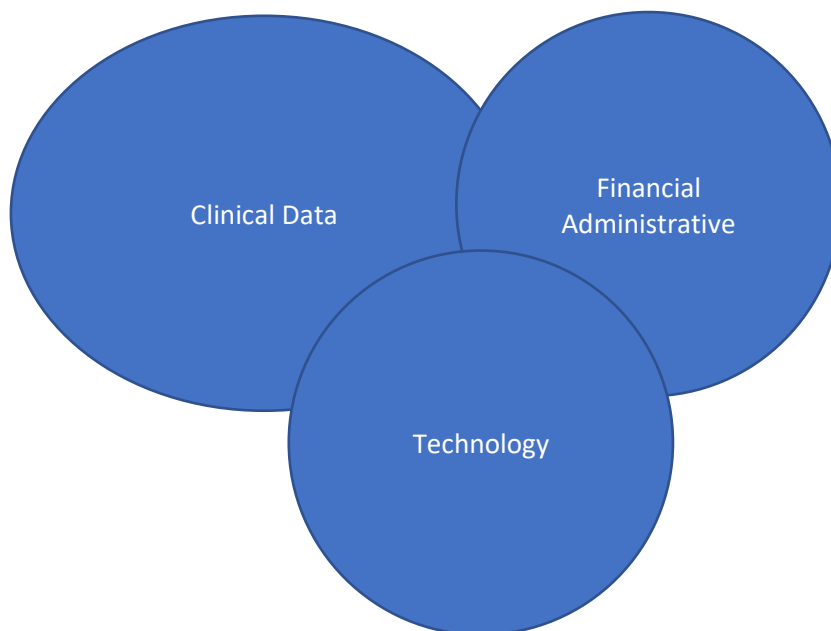
Technology in healthcare continues to advance. Technology is also used to facilitate communication, Clinical information Systems, and the Electronic Medical Record.

Also impact communication technology, Clinical information Systems, and the Electronic Medical Record are the future of healthcare Provide. Healthcare technologies are frequently designed and used to improve patients safety and improve the quality and outcomes of healthcare delivery. The electronic medical record communication technology is an absolute necessity. Although many providers and patients have stated frustration with healthcare technology, stating it interferes with and reduces human conversation, technology is not going away and should be used in positive ways. It serves many benefits for both service providers and patients, allowing information to be shared quickly and easily. Communication technologies should be used to build connections between healthcare professionals and can enhance care coordination through effective means of

communication. Taking advantage and using what is available to us can make a sense of connection, teamwork and collaboration.

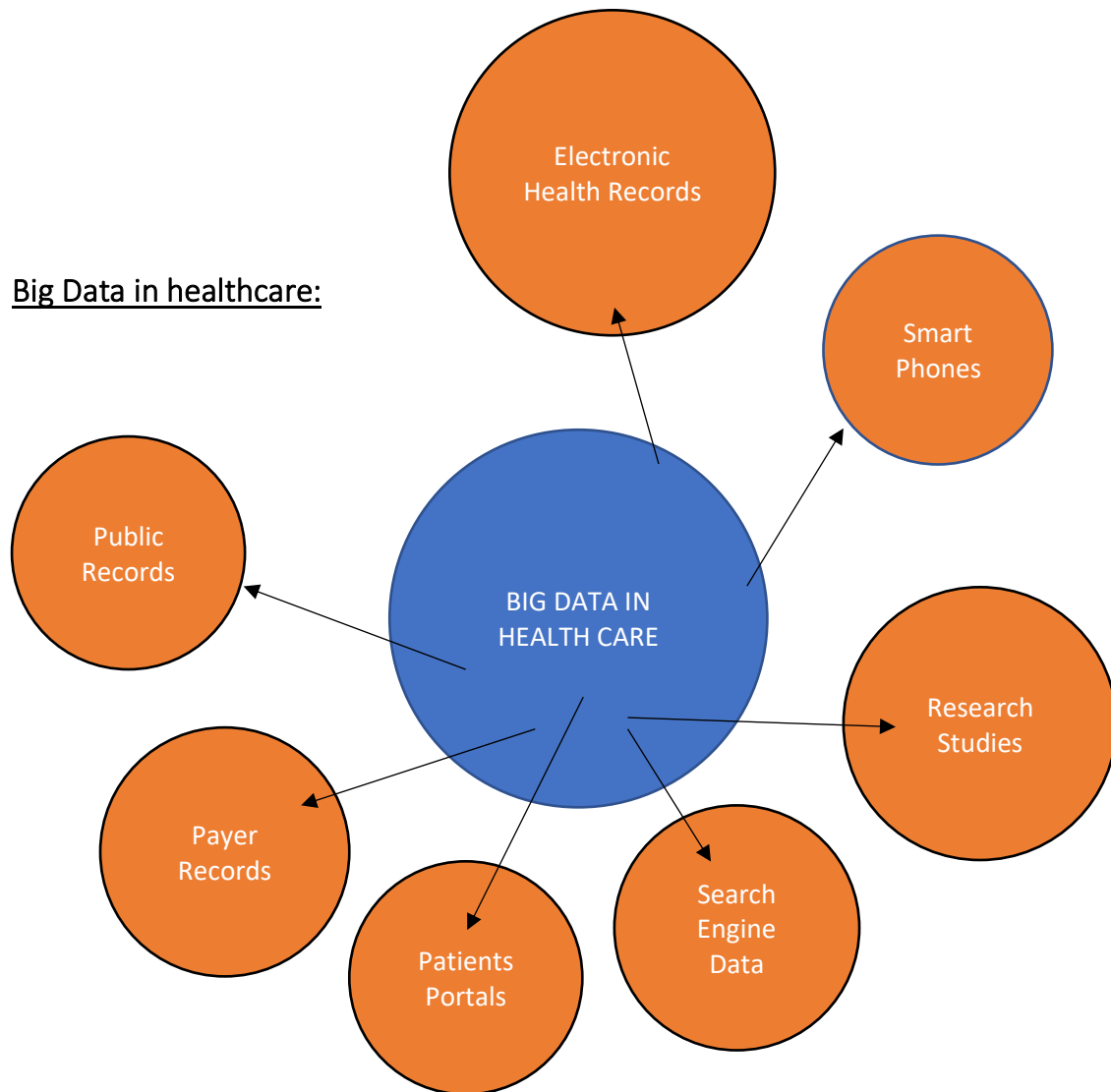
Data:

Relationship Aspect of Health Informatics



- a. Clinical decision
- b. Electronic Health records
- c. Evidence base medications
- d. Observation base decisions
- e. Pattern detection
- f. Clinical gene diagnosis
- g. Data into information
- h. Monitoring of outcome

Big Data in healthcare:



Conclusion:

Improving participation through information and communication technology can be a valid option in rehabilitation. There is a need to measure and describe the intervention and its outcomes in relation to a definition of participation in future studies. This report has shown some facts when considering communication technologies and other health aspects that I have listed previously and its potential effects on the workplace. I hope that this report has provided a valuable resource for researchers. First, technology communication has now arrived as a tool used by most providers. The IT in healthcare compared to other industries is in part due to a failure of the management of these systems to adopt the new technology due to problems specific to healthcare. These problems include a workforce and the high stakes of failure, including patient's health.

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