



**Assignment On the use of technology in the modern
healthcare workplace (Care homes)**

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Introduction

Healthcare sectors are now relying on the technology revolutions that basically allow them to use different variable devices in mobile apps for transforming the healthcare industry. This descriptive report will focus on the usages of technology in different healthcare sectors. Furthermore, the report will also keep an eye on the different ways to find a proper research topic as well as it will also focus on the methodology that is going to be used for collecting information for this research. It will also describe the ways to find credible sources. Hence, the findings will be described from credible sources to maintain the authentication of this report.

Ways to find a research topic

Researchers should always choose a topic that is interesting because it will help them to work on their creative thinking skills to get more relevant information about the topic. After that, the researcher should narrow the topic by focusing on the background of the research area to limit the scope of the topic. I choose the topic of the Use **of technology in the modern healthcare workplace** healthcare sectors because at the current time the healthcare sectors are touching the heights of medical miracles through different technologies. Care homes are now using a smartphone to track the daily healthy lifestyle of the patients in these homes. Hospitals and GP surgeries are now using micro technologies to diagnose different problems of the human body without any operations or surgeries. The fascinating of understanding the different techniques and their benefits in different health sectors allows me to choose this research area (Allen, 2018). The technological revolution of the healthcare sector influenced me to work on the research

topic and this topic also has a wider range of credible sources that can be easily used in the report to shed light on the key areas of chosen research.

The Use of technology in the modern healthcare workplace

Research idea

The research idea is going to represent the exposure to the critical research topic and the research idea will help to plan each and every milestone to meet the key areas of the research topic. I am going to focus on the information better available on the internet because it will allow me to describe the research topic with credible sources. I am going to read the assignment instructions to describe the topic and on the other hand, it can be helpful for me to identify the main concept that can be described to the reader. The research idea will be the systematic investigation of the research topic on the established facts by focusing on each and every principle while collecting the information for the subject-specific areas (Clark and Hoffman, 2019). My research idea is very simple because I am going to use the existed theories and research for examining current affairs in the subject-specific topic area. This research idea will allow me to dig deeper into the credible information on the usages of technologies in different healthcare sectors

Methodology

I am going to consider the quality method to collect the data where I can get the opportunity to work on the derived data that basically involves the existing data points from different data sources. The validity data collection method will also allow me to collect the secondary data for the research topic and it is very important for gathering the authentic information that is justified within the compiled data set. I want to consider the qualitative data collection method because it allows me to search the credible information through different key points of the research topic. It will also allow me to use different journals and articles on the research topic because peer-reviewed journals are one of the most important and credible sources for researching a topic.

Ways to find credible sources

Google Scholar is one of the most used search engines that are very helpful for searching peer-reviewed journals and articles on the clarified research topic. The examinations of the credentials and affiliations of the sources and the authors will also allow me to gather the necessary credible information for computing the report. The endorsements and reviews are also important for understanding the credibility of the sources that are received (Fuller et al., 2020). The online libraries are also helpful for keeping an eye on current magazines and blogs which can be used for maintaining the credibility of the sources for supporting the research while maintaining each and every principle and guideline of academic writing and referencing.

Findings

The collection of different critical sources and information allows me to focus on the description of the research topic to complete the report that is focusing on the use of technology in the modern healthcare workplace. The findings help to describe the various information on different technologies that are used by the modern healthcare workplace.

A descriptive analysis on the findings are mentioned below

Care Homes

The United Kingdom has a wider range of care homes and at the present time, the nation has 425000 people who are taking care in more than 11000 care homes. Clear homes in the United Kingdom are now introducing affordable companion robots and on the other hand, clear homes are already trying to focus on the technology of using smart home technology where the patients can get the desired features such as emergency helps, and environmental control features and health monitoring trackers (Konstantinidis et al., 2020). The **CareTech holdings** is one of the most renowned health care sectors that also relies on technologies that are helping them to provide best care related services to their patients

Usages of smart speakers

Smart speakers are one of the most important and revolutionary ideas that are introduced in care homes because it is seen that the elders and the patients in care homes can get the opportunity to use cutting-edge technology. It is also helping the patients and the elders to remain independent and feel less isolated because the speech cure has the ability to meet the needs of adults with learning differences and it also reduces the staff workload (Konstantinidis et al., 2020). The patients can easily track their health by using this smart speaker as well as the elders in the care home can easily ask different types of health-related questions. The smart speakers are also aligned with the stimulated technology of voice calls that are also important for addressing loneliness to enhance the mental well-being of the patients who are taking services in care homes. The patients can easily use devices as their call bells to get the services in care homes (Konstantinidis et al., 2020). Each and every credential of smart speaker in care homes help the individuals to get relaxed and it also supports the mental well-being of the individuals.

Importance of record-keeping software

The administrator of the care homes is now relying on the record-keeping software that basically helps them to streamline the process for free of some space for the healthcare systems to spend more time with the residents to offer better care and support. The record-keeping software is also helpful for managing each and every health-related data of the patients and with the help of Wi-Fi technology the care homes can easily help the residents of the care homes to meet with their family and friends through the virtual networks (Nordsteien and Byström, 2018). The virtual networks help to flow various

information among the different teams who are involved in the treatments of the residents. The transplants in the record-keeping procedure always ensure the confidentiality of the record settle maintained and the care workers can easily encrypt the data sets of various variations to restrict access to the systems. The record-keeping software is very important for focusing on the property treatments of the residents in an accurate way. Record keeping process always helps to manage the continuity of the care-related attributes in easier ways. The dear homes in the United Kingdom are now focusing on the usage of electronic MARC that basically helps them to streamline the operations as well as it is also helpful for the workers in the care homes to adopt this technology (Webb, 2019). Hence, the advancements in technology are the best way to reduce medication errors as well as healthcare providers can also record the medication notes in an accurate way to provide the best services to the residents..

CLB Acoustic monitoring

The CLB acoustic monitoring is also known as an important technological tool that is used in the care home. It is referred to as an intelligent nurse call system that allows the resident to get a better quality of life because the employees of the care home do not have the complications of physically going into their rooms to perform routine night checks. The CareTech organization is also training on the AI systems that can be introduced to the care homes because the AI system can learn the normal acoustic patterns of a resident and their artificial intelligence can raise an alert for any unfamiliar situation that happens to the patient (Shulzhenko and Holmgren, 2020). **Smart doorbells and intercoms** are also allowing the patient to call the nurses and the clinicians in times

of emergency. This technology is convenient during the night hours because the patient does not have to physically appear in front of the staff for their routine checkups (Vallo Hult and Byström, 2021). Each and every advancement of technology are very important because it actively protects the patient from any type of physical harm. Moreover, it also alerts the staff to start proper medication by focusing on the proper acoustic patterns in the case of emergencies. The IT technology in the care home allows the employees in the organization to focus on better attention to the patients and it also helps to reduce the operation cost because the increase in staff efficiency can allow the organization to cut unnecessary employment. Hence, this IT system also prevents falls among elderly patients that are also improving their healthcare-related services.

Conclusion

From the above discussion, it can be concluded that the research topic is the main concern of the research report where each and every branch of the research is interrelated with the research topic. The credible secondary sources can be easily found in different online libraries and the web-based search engine optimization of the scholars also helps to gather credible information from various peer review optimization, However, the credible sources help to focus on the findings of the research that help to understand the technology call improvement in the healthcare workplaces. The CareTech holdings are now focusing on the usage of different care technologies such as record keeping, tele medicine services and smart speakers that helps them to overcome the traditional gaps of caring patients. The technological functioning of the health care sectors, are also improving the process of precise medications and surgeries without getting the problems of human errors.

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