Research Methods of Health Sciences

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Mobile technology accessibility for research in the field of health sciences can improve the outcomes of research (Young, Holloway, & Swendeman, 2014). Technology can be incorporated into research in the health sector in multiple ways. Firstly, with the use of advanced algorithms and models, data can be processed at much higher rates. Comparative analysis of data is made easy with the use of the software. With the use of mobile applications, data can be gathered conveniently from hundreds of users, even at distance. Creating a database for analysis and modeling is an innovative approach to incorporating technology. The research using a technological approach can decrease the cost of the process as well as the time required to conduct surveys.

The Health care sector can benefit from technology in multiple ways. Every day new advancements in technology is leading to innovation in health research which are reassuring healthy lifestyles and habits among people. Various research groups are taking benefits of technological advancements to obtain, assess and share data. The results are evidence that the incorporation of these approaches is mean to accelerated progress in the health sector (Lang, 2011).

Where technology has made data easily accessible to many, security and privacy is a significant concern. If devices with sensitive information are lost, it can be a threat to data security. In case these devices are connected to the internet, they can also become the target of malware, hacking and viruses. Patient records are highly sensitive and can be sold for more than $10 each. The record stolen is sold for marketing purposes or to create bogus identifications to claim fraudulent insurance policies or obtain drugs or equipment illegally. With increased dependence on data stored online, in case of internet connectivity issues or bandwidth unavailability can cause lag in the process of research. With the use of advanced technology, the systems can be improved but there still exists the probability of human error.

**References**

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