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The impact of mobile devices on healthcare in rehabilitation medicine

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Background: In today's changing world technological advances are not in short supply. One of the most important areas where technological advances can be seen is in the healthcare field. Advances in mobile device technology (hand-held devices, smartphones, iPadsetc) have the potential to change healthcare radically. Recent studies have implicated utilizing mobile device technologies have the capacity to lower the cost of healthcare while also improving the quality of healthcare received by patients. However, with this trend in place, there is currently an observed lack of usage of these advances in healthcare delivery and practice.

Objectives: The aim of this study was to investigate the impact of wireless.

Materials & Methods: In order to gain insight why these technologies are not being used and/or not utilized to their full potential, a survey was created to assess the views of healthcare practitioners on mobile device technologies. This survey targeted the field of rehabilitation medicine with responders including physical and occupational therapists, and rehabilitation focused physicians.

Results: Surveys analyzed from rehabilitation practitioners demonstrated overwhelming support in the use of mobile devices. The survey found there was concerns by practitioners over the potential lack of privacy patients may experience when viewing electronic records over a mobile device. The survey also exposed the lack of information within rehabilitation practitioners concerning the costs of utilizing mobile devices.

Conclusion: The impact of mobile devices in various healthcare fields including rehabilitation science will continue to evolve in the effort to support the use of mobile device technologies and by doing so to improve the quality of healthcare experienced by all.

Biography

Landon R. Bulloch a native South Carolinian, born and raised in the Upstate area. She graduated from Palmetto High School in 2012 and then attended Clemson University from 2012-2015. In May 2015, she graduated magna cum laude from Clemson University with a Bachelors of Science in Biological Sciences. During her time at Clemson, she completed her mobile technology in healthcare research under Dr. Vincent S. Gallicchio and had her first article published in the spring of this year. Currently, she is a first year medical student at the University of South Carolina School of Medicine Greenville in the MD program. She is serving as the leader of the Medical Student Association for my class and interested in pursuing a General Surgery residency upon graduation in 2019

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