

Patient Attitudes and Intentions to Adopt Technologies in Diabetes Self-Management

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Abstract

Self- Management is an important part of Diabetes Care. Unfortunately, half of the diabetes population has the suboptimal self-management of the disease, which can be improved by including assistive technologies in self-management of the disease. Sixty-one participants were recruited from Cardio-Diabetes Self-Management Education (CDSME) program in the Varanasi, India between January and May 2017. The participants completed a self-reported survey assessing demographic characteristics, current diabetes management, and attitudes toward using assistive technologies in self-management. The responses were analyzed for their attitude and intention to use technologies in self-management of diabetes. The majority of participants felt that using the Internet and mobile applications for self-management is a good idea. The most of them did not use the internet (57%) or mobile applications (64%) for self-management of diabetes. The overall mean score of the participants intended to use assistive technologies, the internet and mobile applications in future was found 2.85, 2.90 and 2.88 respectively. This makes us conclude that participants are willing to use technology in self-management of diabetes but the adaptation is at the initial stage. The research concludes that there is a negative correlation between age and attitude towards the use of assistive technologies in the management of diabetes.

Key Words: Diabetes Self-Management, Assistive Technologies, Diabetes Care, Mobile Applications.

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