



An Observational Study to Find Out The Published Studies in The Pubmed on Medical Apps in Smartphones in Various Domains of Medical Practice & Training

KEYWORDS

Medical Apps, Smartphone, Pubmed, Training

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ABSTRACT The observational study was conducted to find out the published literature on Medical apps from various domains of Medical Practice & Training in the Pubmed database as on 31st Mar 2016. Total of 448 publications were retrieved with search words of Apps and smartphones in Pubmed database. Data retrieved of 9 domains of medical practice & training, revealed highest publications being 254 from procedure followed by 216 in research & minimum in innovations, prescription, simulation & audit being 3,2,1&1 respectively. This study revealed the comprehensive coverage all domains of medicine, however, pattern revealed lesser representation of important domains of Prescription & Audit.

Introduction

There is rapid technological advancement and professional interest in the Smart phone based Apps in the field of Medicine.^{1,2,3,4,5} Now, the scientific world has started gaining experience on the use of Medical apps in Smartphones & has started the next phase of collating data & publishing. The relative contribution of publication of the research on this subject of in various domains of medicine practice & training has not being so far analyzed. This study is designed to answer the same research question.

Aim

An observational study to find out the published studies in the Pubmed on Medical apps in Smartphones in various domains of Medical practice & training.

Material & Methods

The Pubmed search was conducted using key phrases Apps, Smartphones, domain names of medical practice & training as on 31st Mar 2016. The data was collated and analyzed.

Observations

The detailed data on Apps on Smartphones on Pubmed search is depicted in Table no. 1 & Figure 1.

Discussion

The study revealed that the total number of publications on the subject being 448. The 9 domains of medical practice & training were analyzed. There are publications with overlapping domains. The highest number of publications are 254 on procedure, followed 216 in research, 130 on training & 76 on communication. Innovations, simulations & audit are minimally represented. There is no other published analysis of this topic. Therefore, more research & publications are needed for most optimally use Apps in various domains.

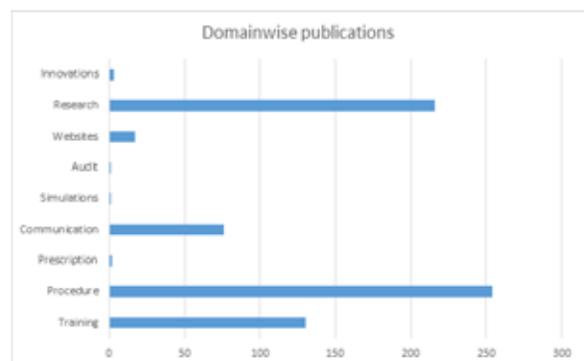
Conclusions

This observational study extracted the number of publications on the Pubmed database in various domains of Medical practice & training. It revealed that the various domains are published but important areas like communication, prescription, simulations & audit need more use of Apps & research.

Table 1: Medical practice & training domain wise Pubmed Publications on Apps in smartphones

1	Training	130
2	Procedure	254
3	Prescription	2
4	Communication	76
5	Simulations	1
6	Audit	1
7	Websites	17
8	Research	216
9	Innovations	3

Figure 1: Domain-wise publications in the Pubmed on Apps in Smartphones

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