Integration of Mobile Health and EHR

TREO Talk Paper

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Abstract

The goal of EHR is to integrate and access patient's information digitally to improve healthcare efficiency and decision making (Kohli et al. 2016). Mobile health extends the coverage and quality of healthcare to anyone anytime anywhere by getting current information about patient’s activities (Varshney 2014). We are interested in exploring the integration of EHR and mobile health (Whittaker 2012) and how it can improve healthcare decision making. The integration will lead to more detailed and current information from mobile applications, sensors and other devices being combined with EHR information (Figure 1). This will allow the healthcare professionals to be anywhere with mobile access, empower patients by access to the latest information, result in effective medical research, and reach patients quickly for necessary interventions. From the literature, we observe that there is considerable interest in mobile health and EHR, but several challenges have not been addressed. The challenges identified in this study (Figure 1), including seamless access, data integration, speed and quality of decision making, and outcomes, need to be addressed by IS/IT research community in the near future.

Figure 1. Challenges in the Integration of Mobile Health and EHR

References

