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Sensor enhanced health information systems : Issues and challenges

(Article) (Open Access)

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Abstract

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Owing to the fact that the world population is aging and considering the high cost of healthcare services, researchers are exploiting the use of sensors to support mobile monitoring of healthcare systems remotely. However, this area is faced with numerous challenges. In this research, the challenges facing the integration of sensors in Health Information Systems (HIS) were reviewed. One of the major challenges faced by such systems is interoperability. In this article, a survey of existing mobile monitoring system is presented and the challenges facing this area are categorized. A significant contribution by some research has indicated the need for further study to thoroughly investigate Interoperability as a Property (IaaP) paradigm for HIS. Recommendation by some researchers requires that a prototype be developed in order to evaluate the performance of IaaP paradigm. © 2019, International Association of Online Engineering.

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