

Developing a concept map for “increasing medication safety and patient compliance by developing patient-oriented mobile phone applications”; results of a conceptualization research

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Abstract and Objective

Medication errors are very common worldwide and potentially affect almost all patients especially those with chronic diseases. There have been a few reports in the literature of mobile phone applications for reducing medication errors. We decided to do an extensive literature review and gather the available evidences and prepared a knowledge-based process for developing patient-oriented mobile applications for medication safety and compliance which hopefully encourages healthcare managers and stakeholders to use our research results. This knowledge-based process for developing patient-oriented mobile applications for medication safety and compliance is helpful to patients and providers in: registering and updating the patient's medications, their dosages and timing; reminding to take medications on-time; checking for any interactions; finding related educational materials; and other usages.

Keywords:

Medication safety, Mobile phone applications