

## عنوان مقاله:

Evaluation of prevention strategies based on information technology in order to reduce medication errors among  
(nurses (systematic review

## محل انتشار:

سومین همایش فناوری اطلاعات و ارتقا سلامت با محوریت پرستاری (سال: 1399)

تعداد صفحات اصل مقاله: 1

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## خلاصه مقاله:

Introduction: Today, nurses face the challenge of medication errors more than ever. According to the National Association for Drug Error Reporting and Prevention (NCCMERP), drug errors are any preventable accident that results from improper use of the drug or causes harm to the patient, while it can be controlled by group members, treatment, or patients. . Considering that 40% of nurses' work is dedicated to giving medicine to patients and medication errors may eventually lead to problems such as increasing the length of hospital stay, increasing costs, physical injuries and even death, and on the other hand there is a great variety of drugs with similarities. Nominally and visually, we decided to look for advanced strategies, including preventive strategies, relying on information technology to reduce medication errors among nurses. Method: This is a review study that used the keywords of drug errors, information system, nurses, and strategy in PubMed, Google scholar, and In the SID databases and Pubmed and Google Scholar search engines from 2000 to 2020. In this study, the inclusion criteria were to refer to prevention and error reduction strategies, and studies that only focused on error studies and did not refer to the strategy were excluded from the study. Finally, among the articles searched, 37 studies were eligible, and after analyzing the types of errors and prevention strategies of these studies, we reviewed and categorized them. (4 articles were added to this research to write texts). Results: Among the 41(39 Latin articles and 2 Persian articles) accepted articles, the types of medication errors of nurses were divided into six main categories, which include: Factors related to nurses themselves, nurses and colleagues, nurses and patients, nurses and the environment, nurses and drugs, nurses and The total number of strategies extracted was 24, which were divided into four main categories: education (12.3%), use of technology (21.05%), policy-making and legislation (22.8%) and ease of access techniques (43.85%). The use of technology as the primary category includes barcode strategies, the use of drug-

specific expert information systems (CDSS), (CPOE), the use of drug identification software, and artificial intelligence (the use of electronic approaches to prescribe, AI, POCA), and EHR. Conclusion: Due to the existence of various strategies to prevent drug errors in nursing and their special effects, it is suggested that the possibilities of using these ... technologies in the hospital be expanded, especially strategies related to health information te

## کلمات کلیدی:

Drug Errors, Information System, Nurses, and Strategy

## لینک ثابت مقاله در پایگاه سیویلیکا:

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