عنوان مقاله:

Functional Requirements of Pharmacy Information System in Hospitals

محل انتشار:

مجله پیشگامان انفورماتیک سلامت, دوره 6, شماره 1 (سال: 1396)

تعداد صفحات اصل مقاله: 10

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خلاصه مقاله:

Introduction: Pharmacy Information System (PIS) existed in hospitals collects, saves and manages the information related to drug and drug consumption in process of caring patients and results in decreasing error in interpreting handwritten prescriptions, distributing drug and controlling side effects of drug. Regarding the importance of knowing users' expectations for designing successful system and based on procedure of clinical environment and in direction of patient' security and improving care quality, this study conducted with the aim of determining functional requirements of pharmacy information system and by offering system 'final users for poll. Material and Methods: This research is descriptive cross-sectional one and of applied kind that conducted in ۱۵ hospitals in ۱۳۹۱. This study conducted in three independent steps including library study, internet search and designing finding semi produced guideline and questionnaire, offering ten experts the finding semi produced questionnaire for poll, offering ۵۰ individuals of experts the final questionnaire for poll using Delphi technique. Validity of final questionnaire and its reliability confirmed through validity of content and re-test test, respectively. Data analyzed using SPSS software and answers given points of ۰-۴ and requirements with mean' final point of ۳ or more than ۳ confirmed. Results: Based on the first and second turns of Delphi technique, final list of pharmacy information system' functional requirements of ۸۰ requirements determined. The highest mean point related to capability to connect with computerized provider order entry (۳.۷۳%), capability to calculate dose of drug and warn about drug interference (۳.۷۱%), capability to apply barcode technology (۳.۷۱%) and capability to register expiration date , way and place of keeping good (۳.۶۳%). Conclusion: Based on experts' opinions, requirements that related to patient security were paid more attention. Finally, a list of pharmacy information system' functional requirements presented that could be used by designers, developers and other beneficiaries of pharmacy information system in hospitals.

کلمات کلیدی: