Eliciting end-user requirements for the PrescIT platform, an intelligent e-prescription and clinical decision support system

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Abstract

The PrescIT project[1] aims to develop, evaluate and disseminate a Clinical Decision Support System (CDSS) platform for more efficient and safe electronic prescription (e-prescription).

During the PrescIT platform's requirements collection phase, end-users (healthcare professionals) were involved, to assess aspects of existing e-prescription systems, with the Greek national e-prescription system by IDIKA[2,3] being the most widespread.

For this, questionnaires were designed and distributed online, with a total of 430 healthcare professionals (293 doctors and 137 pharmacists) responding to the survey, evaluating the systems' overall ease of use, highlighting the advantages and drawbacks, and identifying missing features.

First insights show that e-prescription is perceived as useful, as it reduces medication errors. However, participants' answers indicate that the e-prescription procedure could benefit from improvements to further better interaction and aid healthcare professionals in clinical decision-making. Identified gaps concern the lack of information regarding potential adverse drug reactions, side-effects, allergies and drug-to-drug interactions.

The collected feedback, analyzed and converted to technical requirements, will further elevate the platforms' functionality, reinforce quality and safety of use and contribute to the development of a system that tends to the healthcare professionals' needs.

[1] https://www.prescit.com/
[2] https://www.idika.gr/
[3] https://www.e-prescription.gr/

Keywords: e-prescription, prescription protocols, drug safety, clinical decision support system, end-user requirements

Τίτλος ομιλίας στα ελληνικά: Ανάλυση απαιτήσεων τελικών χρηστών για το σύστημα PrescIT, μία πλατφόρμα έξυπνης συνταγογράφησης και στήριξης κλινικής απόφασης

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Η παρουσίαση θα γίνει με φυσική παρουσία