

Title: Creating web questionnaire system related to thalidomide education and management system (terms)

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Abstract:

Background In Japan, thalidomide has been approved for use in multiple myeloma since 2008 and has been available since 2009 under the Risk Management Program (RMP) named Thalidomide Education and Risk Management System (TERMS). In order to analyze the current compliance status of TERMS in medical institutions, mail-back questionnaire surveys for prescribers and pharmacists have been carried out once a year.

Purpose The current questionnaire survey is not only time-consuming but also takes much effort. Thus, we tried to construct Web questionnaire system to reduce the effort and time which are necessary for the analyses.

Methods After setting up a Windows server using node.js, we constructed a Web questionnaire system for TERMS compliance analyses using JavaScript and kept the data in a MySQL database.

Results The Web questionnaire system was constructed and is under trial use. Users (prescribers and pharmacists) need to input their IDs for identification and authentication. The system automatically ushers users into the questionnaire for prescribers/pharmacists. They do not need to answer unnecessary questions because such questions are skipped. All inputted answers are validated strictly before a submission, e.g. in the case of the answer that contains any malicious statement and/or illegal datatype. Moreover, all acquired answers are associated with respondent's ID and organized automatically.

Conclusion Web questionnaire system was constructed. Since this system is simpler and not time-consuming, it is expected that response ratios are increased. In addition, we are going to try to add the system of automatic statistical analyses, which will provide rapid reporting.