

MEFANET

+ 2018

**12th international conference of medical
and healthcare academic institutions
in Czechia and Slovakia**



27–28 November 2018, Pilsen, Czech Republic



STUDENTS SURVEY WITHIN THE TAME: TRAINING AGAINST MEDICAL ERROR PROJECT: CHOOSING THE TOOL, RESULTS OF THE SURVEY

14.¹⁰–14.³⁰ Tuesday

M.O. Avramenko, A.K. Bilyi, O.M. Kostrovskyi

Zaporizhzhia State Medical University, Zaporizhzhia

Keywords: *survey, TAME, LimeSurvey*

A survey is one of the most commonly used approaches for assessment of students' knowledge in many disciplines. The abovementioned method has been known for a long time, but it begun actively applied with the introduction of information technologies into the educational process. The absolute advantage of this method is a possibility of parallel processing of large groups of students with minimal intervention of the tutor, which, firstly, makes the evaluation process fully objective, and, secondly, significantly reduces the duration of this process.

After monitoring the online software available for conducting an online survey, and analyzing its functionality, ease of implementation, accessibility and price policy of these tools, the final choice was made in favor of LimeSurvey, an open source application written in PHP based on the MySQL, SQLite, PostgreSQL or MSSQL databases. It is applicable under the GNU General Public License.

LimeSurvey is a web application that was installed on personal server. After installing LimeSurvey is guided through the web interface. Questions can be added or deleted using a user-friendly editor interface. LimeSurvey has no limitations on the number of polls created, as well as the amount of participants. In addition, LimeSurvey also has no limits on the number of questions for each questionnaire.

To conduct student surveys within the TAME: Training Against Medical Error Project, all questions were divided into groups and each group of questions was on a separate page.

In total, according to the results of the testing, 205 student responses were analyzed, which related to 6 cases that have been studied by the students. One of the main criteria for the good quality of cases created, we considered the consent of students with judgments and techniques that were taught in cases. As we can see in Figure 1, most students agree or fully agree that during the case they felt like they were real doctors.

Assessing students' opinion on the situation described in the cases, we can conclude that most students were more confident in their knowledge and skills before passing the case. At the end of the of the cases, the students' opinion has changed, as you can see in Figure 2. This allows us to positively evaluate the thematic content of the situation, that is reflected in the case. Mistakes made by students indicate the correct drawing up of the case map and the methodologically correct formation of the nodal elements and the links between them.

Choosing the right software for conducting an online student survey greatly optimizes the time and money costs for conducting student knowledge assessment after passing cases with virtual patients within the framework of the Training Against Medical Error Project. The analysis of the results of the student survey concerning the case studies showed that the case materials are well structured, correspond to the tasks set and to the full extent allow students to master the knowledge volume provided for study.