

## Summary

This dissertation thesis summarizes the research findings of reviews of Czech society to antibiotics and drugs and her knowledge of infectious diseases and how to effectively prevent the increase of resistant bacteria. This research was attended by 1,242 respondents from four regions of the Czech Republic. The survey revealed a very low respondent's knowledge about the possibilities of effective primary and secondary prevention of infectious diseases. With these findings the Department of Infectious Diseases from the 3rd Medical Faculty of the Charles University in Prague participated in the development and implementation of a pan-European teaching programme called "e-Bug." The main objective of this project was to develop and evaluate the teaching resource which teachers could use in the primary and secondary school in the subject "Health Education". Based on the evaluation of the first version of educational e-Bug manuals on a sample of 2,181 students from England, France and the Czech Republic, the team of experts created two teaching manuals (one for primary and second for secondary school). These manuals include 9 complete lessons, whose efficacy has been proven in practice by experienced teachers. The dissertation thesis described in detail the process of preparation and evaluation of developed materials, training activities and project website. Since the school year 2010/2011 e-Bug manuals are available for free on the website ([www.e-Bug.eu](http://www.e-Bug.eu)), all primary schools in the Czech Republic and also in a large part of primary schools in 18 other European countries.