

Diploma work deals with possibilities of utilization of database application in clinical praxis of ambulances as well as hospital workplaces. Its aim was, in the first place, to prove and practically show that even the simple applications can essentially make the doctor's orientation in a huge amount of medical data easier and find the needed one very quickly.

In this diploma work, I occupy myself with application, which a database character is and it's made in platform Microsoft- Access which associates data from many sources at once.

In the first part I'm mapping over the actual situation of programs, which have the database system, in the clinical utilization. I'm describing the present possibilities and programs which collect data - I'm comparing their advantages and disadvantages. In the second part, I'm analysing the application itself and I'm specifying the aims. In the third part, which is practical mainly, I'm handling with describing the development of the first version of the program and programming itself.

The application is on the basic level and contains data which were chosen from the publication of MUDr. Jana Dáňová Ph.D. – Vaccination in Czech Republic. In the future, the application can be enlarged on the other functions, for example, its substantiality, the possibility of exchange the data with another information system, the import of identifying data of the patients, and others.