

Antibiotics are nedůležitějším means that the company has in the fight against bacterial infections. The discovery of penicillin by Sir A.Flemingem in 1928 , its isolation Chaine and Floreym in 1940 and subsequent clinical use have meant that until serious or fatal bacterial infectious diseases are today curable . In the following years there have been many more antibiotics or chemotherapeutics , which expands treatment options microbial infections .

The high popularity of antibiotics in clinical practice over the course of a few decades taken their toll. Substantial consumption of antimicrobial agents and their misuse has led to the emergence of bacterial resistance with which the discovery of antibiotics planned. Adverse the result is a reduced capacity in the selection of antibiotic therapy in the causal infection.

This poses a huge risk to the current population , but especially for the next generation .

It may even occur to the fact that the antibiotics used today lost due to bacterial resistance efficiency, and we will not be able to fight against bacteria .

One of the branches of medicine where there permanently increased consumption of antibiotics , pediatrics . Children have limited immune mechanisms , and therefore constitute a population that is more susceptible to infections. Most often , patients suffering from child community respiratory infections.

Although these are mainly caused by a viral etiology, when their therapy is frequently and unnecessarily

Antibiotics are used .

The aim of this work is a comparison of antibiotics in primary

(mimonenocniční) pediatric care. Consumption of antimicrobials are among the medical indicators used for easy comparisons between countries. The thesis compares the data of the Netherlands ,

as European countries with the lowest consumption of antibiotics , Sweden, for his exceptional system

evaluation , Spain, as the country with high consumption and leisure selling antibiotics , further

Slovakia as a country with a very high consumption of antibiotics and the Czech Republic.