

## ABSTRACT

### **Parents of preschool children and vaccination I.**

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**Introduction:** In the Czech Republic is vaccination of children one of the most argue topic.

Children`s vaccination is very important, because they are endangering the most of health and life.

Periodically vaccination lead to reach high collective immunity. High vaccination is requirement.

**Objective:** Purpose of my thesis was find out, what are actual parent`s opinions on faith, effectivity and safety of vaccination system, which depend on parent`s age and education – in this case help me questionnaires gave out in kindergartens of the Zlín region. I investigate parents knowledge about this issue, side effects and number of children, which are vaccinaciton with optionally vaccines.

**Methodology:** In research was used method of questionnaires. Data were collected from october 2012 to april 2013. Questionnaires were distributed in kindergarten of Zlín region to parents, which have preschool children. Received questionnaires were processed method of frequency analysis. They were divided by age, education, software evaluated Microsoft Office Excel. Results were recorded as received into table, where from were created sector`s and column diagrams.

**Results:** Total number of interviewed people is 152. Questionnaires return success was 68 %. The most mothers were represented in 31-40 age category in 80 %. The most often highest reached education was high school graduation in 42 %. The most fathers

were represented in 31-40 age category in 76 %. The most often highest father`s reached education was secondary vocational education in 35 %. The most common age of preschool child was 6 years old in 64 %. From my questionnaire`s research it has been proven, compulsory vaccination period is exact following 98 % of children. In optional vaccination I noticed following results: 51 % of children were vaccination with optionally vaccine. Most often vaccine was against pneumococcus (*Streptococcus pneumoniae*) in 21 %, tick-borne encephalitis in 18 %. I found out, children are vaccinated against the same diseases in 56 %. From the results was revealed, in 51 % of 100 %, which is more than a half of children, children respond very well to vaccination. Negative reaction was in 46 % of children, the first in rank was 48 % with weak reaction, second one was 46 % with medium strong reaction. Combined vaccine measles – rubella – mumps was showing by the strongest reaction in 48 %, second one was combined hexavaccine in 45 %. In 88 % of 100 %, which is greater part of children, sickness is not increased after vaccination. Knowledge of legal interpretation in foreign countries was noticed in 74 % of parents. The legitimacy of the vaccination system of 100% believe 33 % of parents. The effectivity of vaccination of 100 % believe 24 % of parents and in the safety of vaccination of 100 % believe only 21 % of parents. From the results follows, that trust of parents is the smallest in safety of vaccination system. For parents, pediatrician is the biggest source of information about vaccination in 46 %. The change in children`s vaccination period would not wish 42 % of parents. For the change are not decided 43 % of parents. Individual vaccination period would wish 16 % of parents. 45 % of parents don`t know, if they want to change the period of vaccination. Significantly link was not found between parent`s age, education and their faith in the legitimacy, effectivity and safety of vaccination system in the Czech republic.

**Conclusion:** Most of parents have positive attitude to compulsory vaccination of their children. Parent`s vaccination knowledge is on high level. In practice, it would be necessary to inform more parents about announcement options of side effects on SÚKL (State Institute for Drug Control of the Czech Republic).

**Keywords:** Vaccination, side effects, optionally vaccine