

## **ABSTRACT**

### **Title**

Assessment of the 2nd Grade Elementary School Pupils in Ústí nad Labem Region and Their Attitude Towards Physical Education

### **Problem**

Researches and investigations from the recent years have been indicating a decline in a physical activity of children during their free time. This fact is also reflected in physical education lessons, especially at the level of their skills, fitness and performance, but also in their overall interest in this subject. Physical education teachers often solve a fundamental problem in their classes and that is a low motivation of pupils to move. One part of the learning process is also an evaluation where the teacher takes into consideration a number of factors. An objective consideration of all partial factors, for which a student can be evaluated during physical education lessons, into an overall grade is a very complex and difficult process for the teacher. This thesis deals with the assessment in physical education, particularly with an effort to identify those variables that have a significant impact on the overall grade in this school subject. We observe gender and age differences, the relationship of students to physical education, an active attitude to sport outside the school environment, family influence, but also the lifestyle of a student and also the performance and abilities of students. None of these factors can explain the evaluation itself, but only their collective influence can satisfactorily describe the grading.

### **Objective**

The aim is to analyze variables and correlates associated with the assessment of the 2nd grade elementary school pupils in physical education. Based on the measurements and surveys, we want to identify the underlying factors that have a significant impact on the ratings. The secondary objective is to clarify the interdependence relationship of pupils to school physical education and sport with their grade in this subject,

## **Methods**

We chose the method of questioning both children and their parents as well as the teachers of physical education in order to meet the objectives of this work. The other methods used were: measurement of somatometric characteristics, testing the level of motor performance and a content analysis of educational documents. The sample consisted of 2nd grade pupils from 29 elementary schools in the region. The survey included a total of 2,816 boys and girls out of the total of 29,073 2nd grade elementary schools pupils in the region. Values of more than 50 variables were obtained from each pupil and the data was processed by the statistical software Statistica 12.0, a discriminant analysis and routine non-parametric statistical methods were used.

## **Results and conclusions**

Based on the data obtained a possible association with the grade in physical education was investigated in all the variables. These variables were eventually divided, using the discriminant analysis, into a total of 10 variables (gender, age and BMI of a pupil, percentage of excuses from physical education lessons, time devoted to physical activity during free time, selected attitudinal dimension, level of motor performance and sporting activity of parents) which were proved to have a significant connection with the grade in physical education and which common influence satisfactorily explains the grades. Accordance of the real grade with our theoretical model exceeds 95%.

## **Key words**

Keywords discriminant analysis, evaluation, motor performance, physical activity, attitudes, family environment, school physical education, 2nd grade elementary school pupils