

ABSTRACT

The thesis called *Children and Youth Olympics: Analysis of time series of first-grade pupils' sports performance* deals with the importance of physical activities of junior pupils attending elementary schools. The aim of this thesis is to describe the current status of children's physical capability as it is reported in professional literature. The data found there are compared with the children's physical ability performance measured in the case of the first-grade pupils at elementary schools. The thesis is focused on describing the Czech Olympic Committee project which is called Children and Youth Olympics. A unique sports event is derived from it – Velké Opatovice First-Grade Children Olympics. The text deals with the importance of sports, physical and olympic education and their integration in the Framework Education Program for the Basic Education.

The research part of the thesis contains the analysis of the youngest pupils' sports performance. It introduces the data gathered from the First-grade Children Olympics result lists. They are in the form of the sports results linear trends from the period 2000 – 2017. The events in question are 50 and 400 metres run, cricket ball throw and long jump from the site. The research results have shown the improvement in running. It means in the speed and endurance abilities of children. On the other hand gradual deterioration has been proved in power abilities, in cricket ball throw and long jump from the site. According to the analysis the deterioration is mostly due to the pupils from small towns and villages. On the contrary the improving tendency has been proved in the case of the pupils from big towns and cities.

KEYWORDS

physical activity, physical inactivity, Children and Youth Olympics, junior pupils, life style, health