

The prevalence of obesity in children and adolescence in the Udmurt Republic

Kovalenko T.V., Larionova M.A.

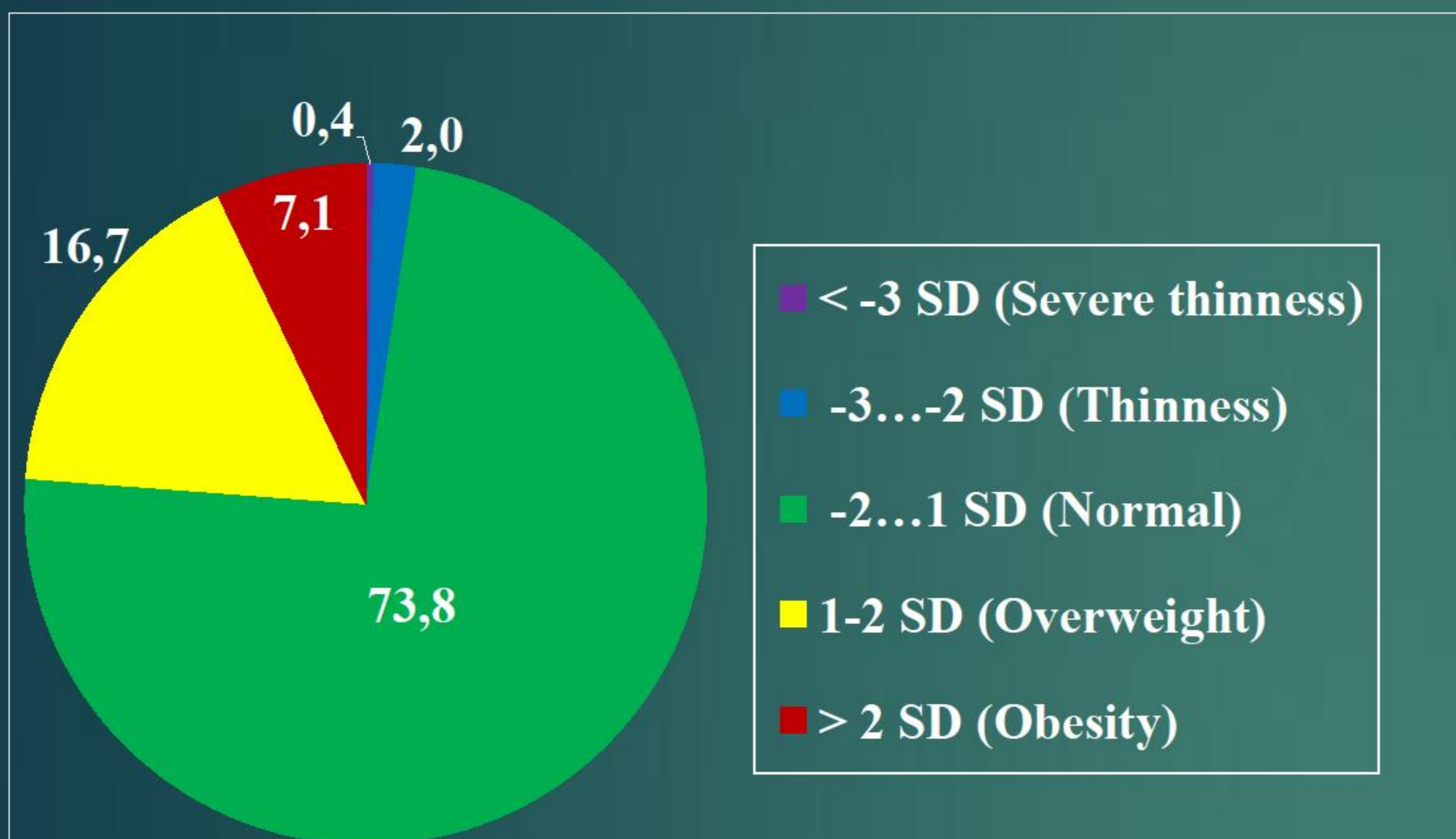
Izhevsk State Medical Academy. Izhevsk, Russian Federation

Background: Obesity is an increasing problem among children and adolescents in recent decades however official statistics are contradictory.

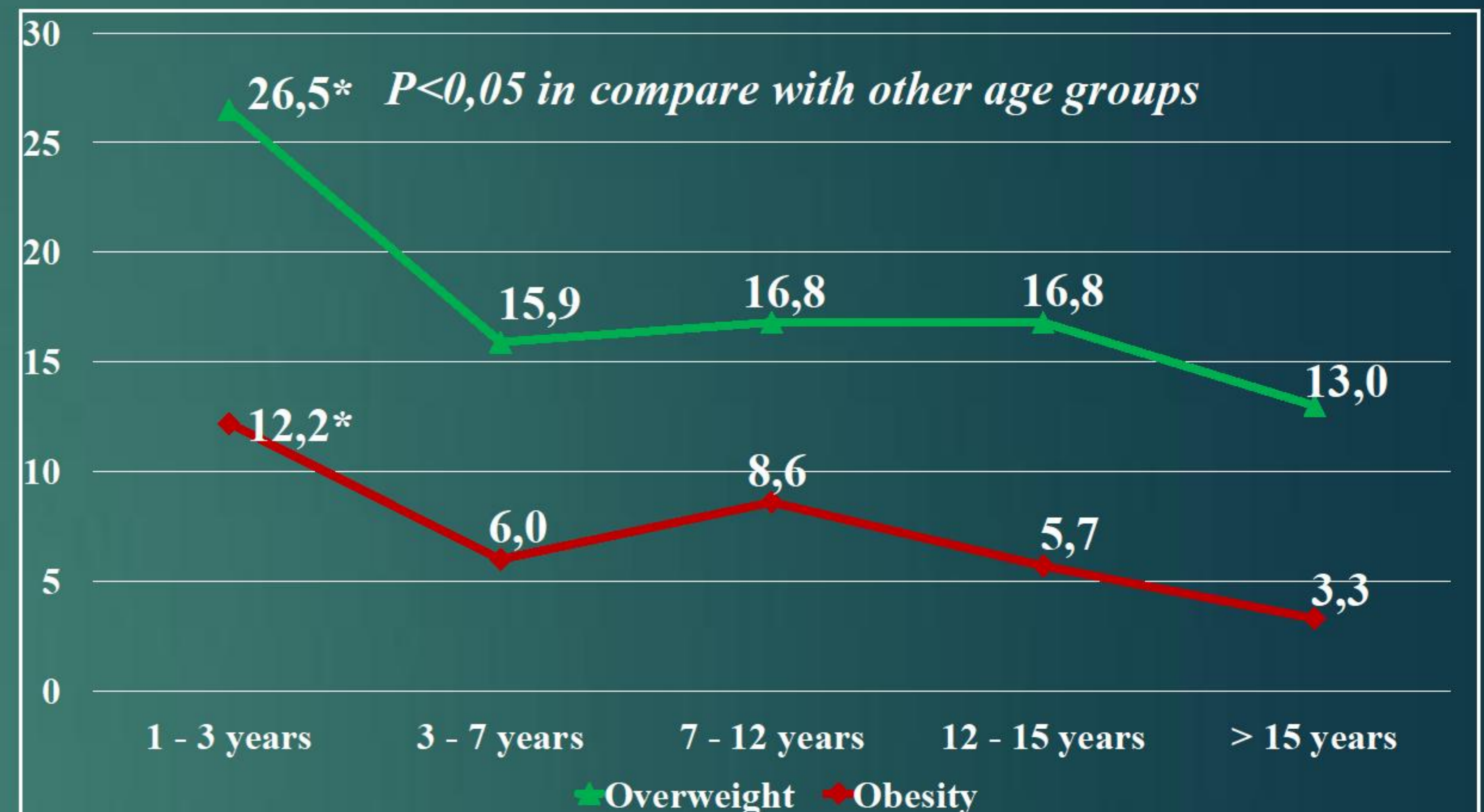
Objective and hypotheses: The purpose of this epidemiological study was to determine the prevalence of obesity in children and adolescents in the Udmurt Republic – the region in European part of the Russian Federation with a child population of 300 thousand people.

Method: According to the experiment 5732 children 1 – 17 years (boys – 2845, girls – 2887), among them the inhabitants of the cities – 1090, rural inhabitants – 4642, were examined. Diagnostic criteria of obesity in children is recommended by the World Health Organisation were used.

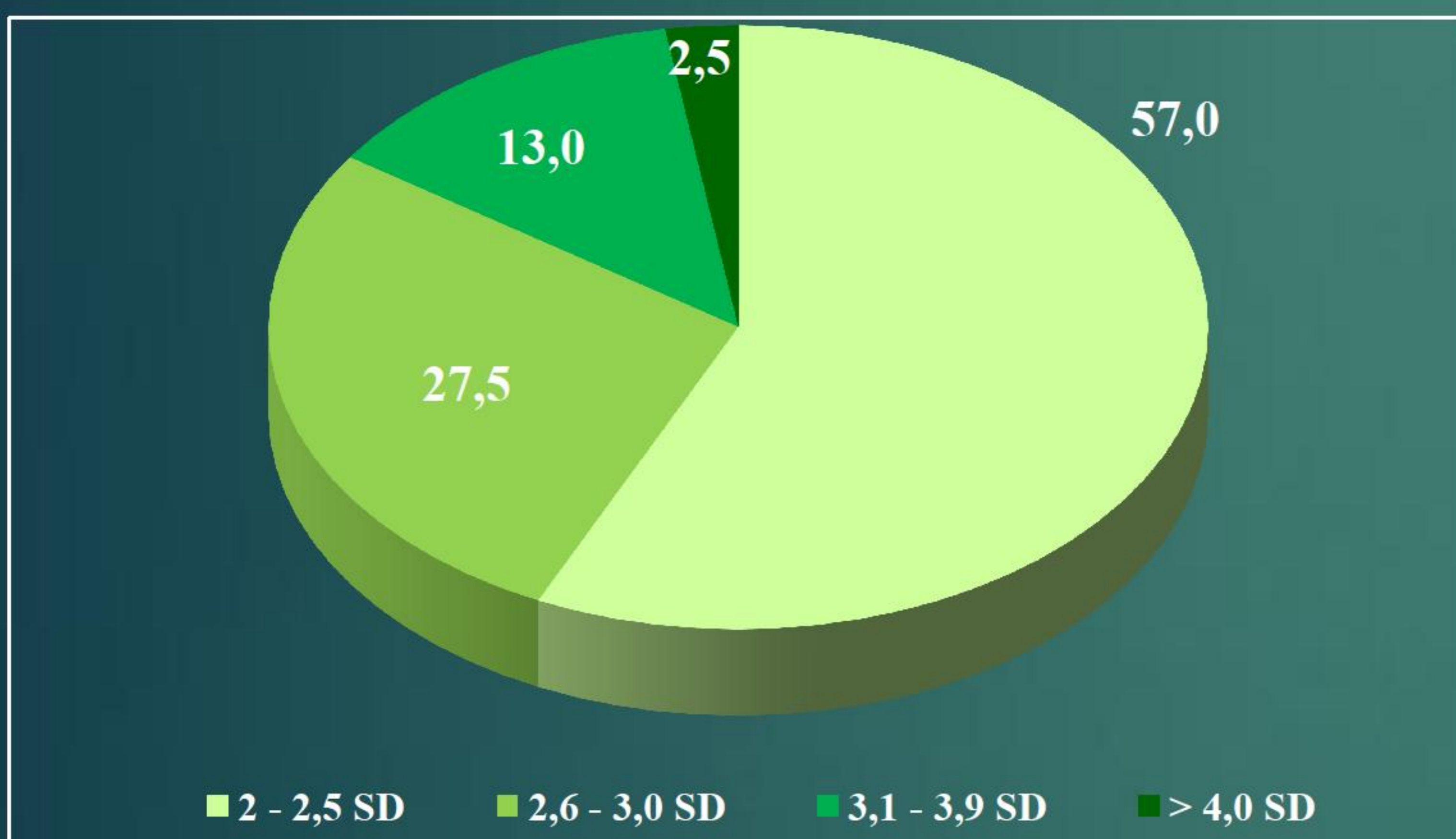
Results:



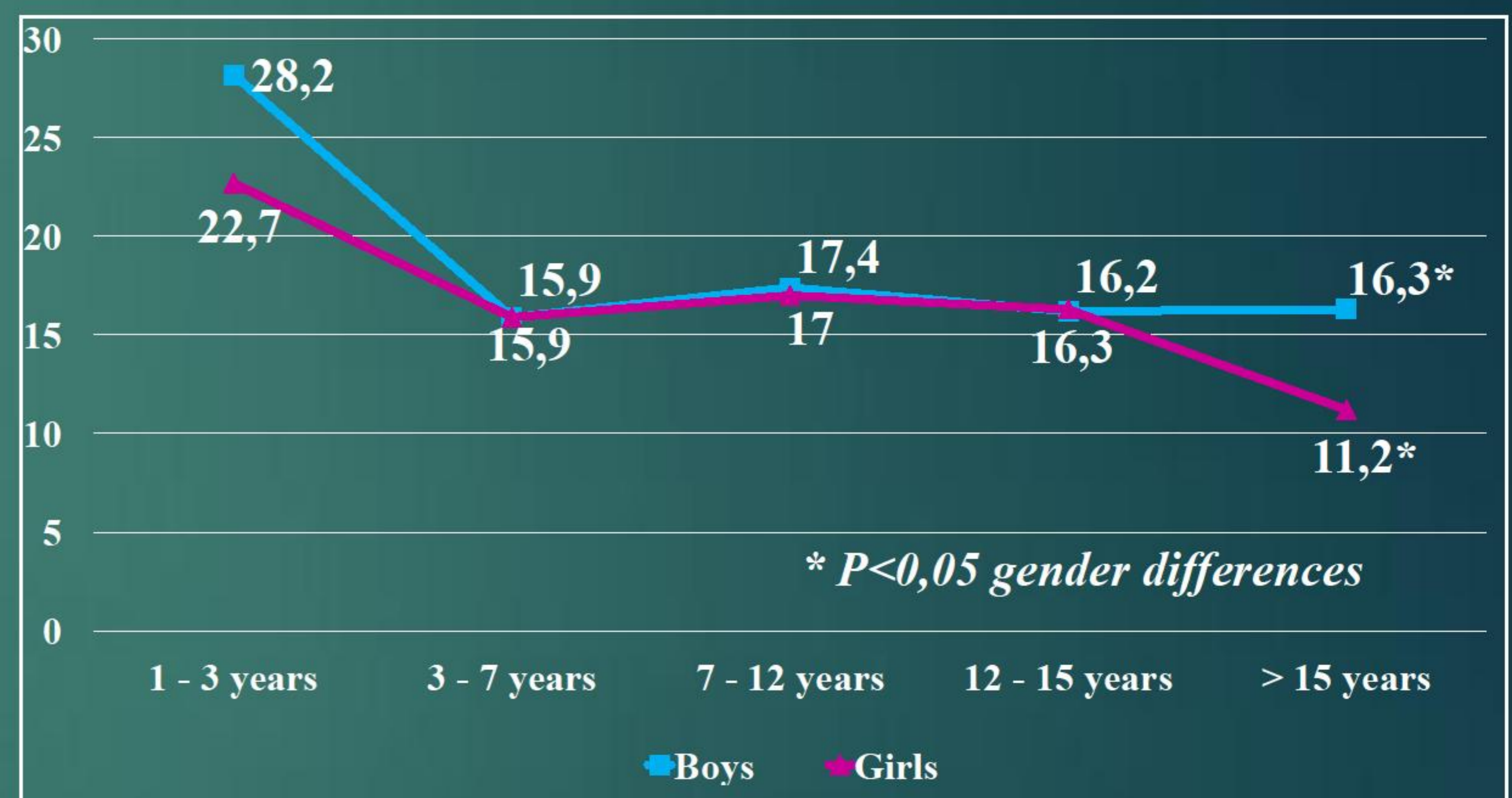
Pic.1. The physical growth of children in Udmurt Republic (%)



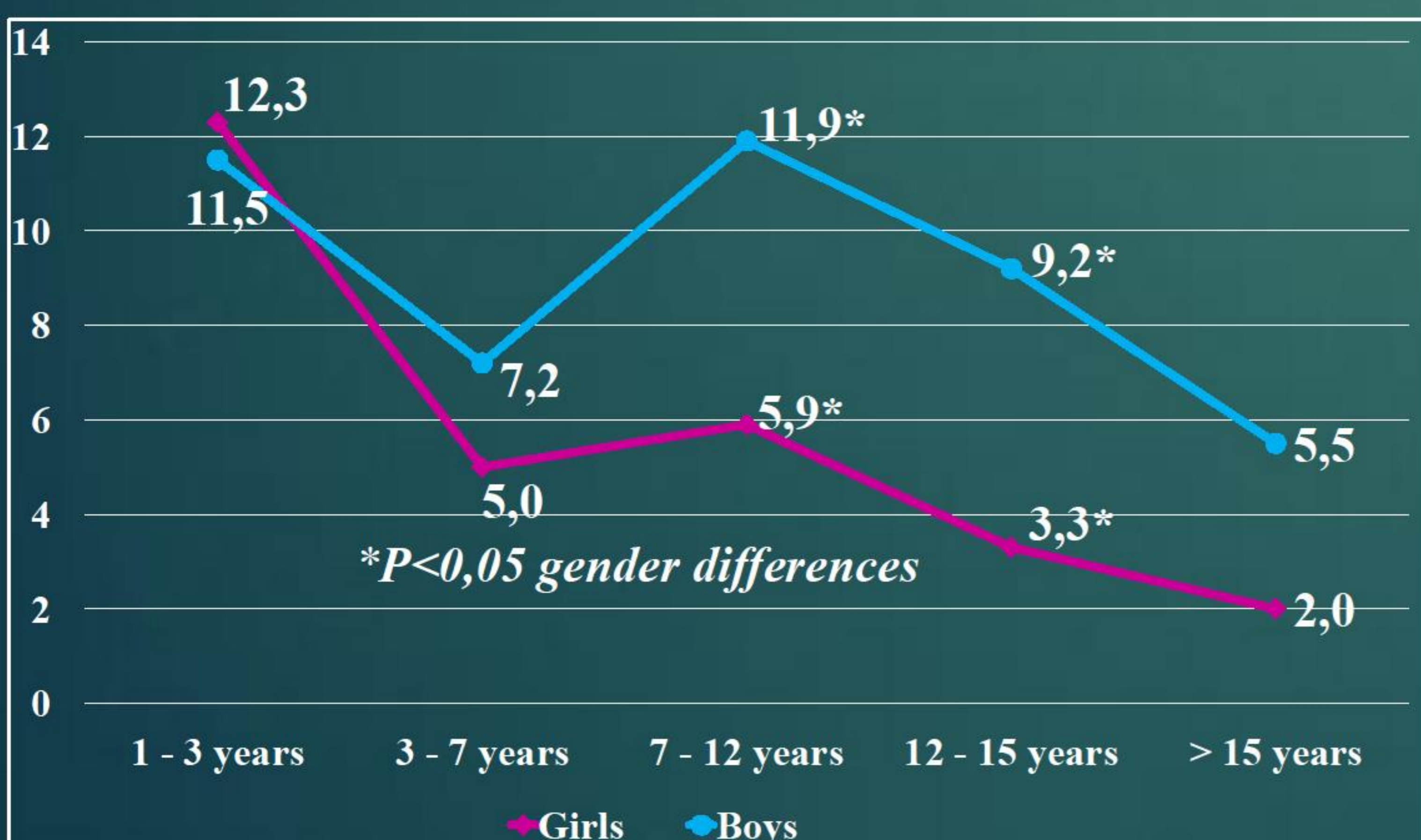
Pic.2. The prevalence of overweight and obesity in accordance with the age (%)



Pic.3. The structure of obese patients in accordance with BMI (%)



Pic.4. The prevalence of overweight in boys and girls in accordance with BMI (%)



Pic.5. The prevalence of obesity in boys and girls in accordance with the age (%)

Conclusion: The results motivate pediatricians to devote more time to the problem of obesity.

