Monitoring of weight and height in order to identify the truth of the prevalence of obesity and overweight among schoolchildren 6-17 years

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Introduction. One of the most serious challenges facing public health in the twenty-first century is obesity among children. According to the world health organization on the planet about 22 million children of preschool and 155 million school-age children are overweight.

Aim. monitoring of weight and growth school pupils

Material and methods We held a copy of examinations data of 8 schools in October district, in Kharkov. Overweight and obesity verified using the international criteria of BMI by age and sex of the child (T. Cole and ed.)

Results:We have processed data 3227 schoolchildren aged 6 to17 years old. Overweight and obesity was detected in 512 children (15.8%), including obesity had 200 children (6%); overweight - 312 (9,6%) It was found that out of 200 children with obesity; only 14 are on the dispensary. When studying age-sex structure the following results are obtained: in the age group 6 to 9 years obesity was detected in 83 children (2,5%); excessive weight in 114 children (3.4 percent). In the age group of 10 to 13 years, respectively, in 86 children (2.6%) and the 111 children (3.4 percent). Obesity among schoolchildren from 14 to 17 years was identified 31 children (0.9%); overweight 87 children (2.7 percent). In General, groups girls obesity and overweight is found in 7.3 % of cases, boys 8.4%.

Conclusions. The prevalence of obesity among our studied population of children and adolescents aged 6-17 years is 6% of excess body weight is 9.6% .Prevalence of obesity and excess weight in boys is statistically higher than in girls, and is accordingly 8.4 percent; and 7.3 %. There is a trend of the prevalence of overweight and obesity in adults in the age groups from 6 to 9 years (5.9%) and from 10 to 13 years(6%), compared with the age group from 14 to 17 years(3.6%). The indicator of completeness of coverage of dispensary observation for children with obesity is 7%.`