

## PECULIARITIES OF TUBERCULOSIS EPIDEMIOLOGY IN CHILDREN IN UKRAINE

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### *Abstract*

***Aim:*** to study tuberculosis (TB) epidemiology in children in Ukraine and analyze the limitations of early detection and prevention of tuberculosis in recent years.

***Materials and methods.*** The analysis of basic and additional calculated, absolute and relative values of the epidemiological indices of TB in children in Ukraine in 2014 was conducted in comparison with the previous year. The reasons for the negative trends of a number of epidemiological indicators in comparison with the indicators of quality of TB service were analyzed.

***Results.*** A decrease of TB incidence in comparison with previous year in all age groups was registered in Ukraine in 2014. At the same time due to pathomorphosis of TB and limitations in the system of early detection and prevention (considerable reduction in tuberculin diagnostics coverage and BCG vaccination) there was registered a worsening in the structure of clinical forms of disease and increase of the ratio of children with latent TB infection (54.6 %) and TB contacts (50.0 %). This clearly demonstrated an increase in prevalence of TB in adult population served as a source of infection for children.

***Conclusion.*** The data from current survey uncovered a significant deterioration of TB prevention and the destruction of TB detection system. Preserving and improving the system of early detection and prevention of TB in children is a cornerstone of TB control in the population.

***Key words:*** tuberculosis in children, epidemiology.

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