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ASSESSMENT OF FEATURES OF THE LEVEL OF MORBIDITY
OF THE RESPIRATORY SYSTEM IN SEPARATE REGIONS

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The abstract. *A comparative analysis of the level of morbidity of the respiratory system in the regional aspect was carried out in the work. The relevant data of the official medical statistics of the Ministry of Health of Ukraine during 2015 and 2017 in the Ternopil, Lviv and Dnipropetrovsk regions were analyzed. The importance of studying of possible factors determining the peculiarities of the incidence rate in different regions of Ukraine is indicated.*

Key words: *diseases of the respiratory system, children's age, medical statistics*

The level of morbidity of the organs of the respiratory system is remained high for a long time. It affects people of all ages, however, the

incidence rate is particularly high among children. A significant proportion of diseases of the respiratory organs are infectious in nature and spread by the respiratory route. Studies show that about 70% of all childhood diseases are diseases of the respiratory system. The course of these diseases in childhood has certain peculiarities, the reason of which are the peculiarities of the structure and function of the respiratory organs. Diseases of the respiratory system have different causes, mechanisms of development and course. And although they mostly do not belong to dangerous diseases, they are capable of causing complications under certain conditions [1].

Modern living conditions (hypodynamia, prolonged stay indoors, impaired gas exchange and blood circulation in the lungs, hypokinesia, limitation of chest mobility, decreased elasticity of the lung parenchyma) contribute to the development of diseases and the limitation of the functional activity of the respiratory organs. [2, p. 13]. It should be noted that parallel diseases of the cardiovascular system worsen the course of respiratory diseases. In particular, in patients with chronic obstructive pulmonary disease, concomitant heart failure worsens indicators of the frequency of respiratory movements, hemoglobin level, and spirometric indicators [3, p. 255].

The total number of all diseases in 2015 is 62,775 per 100,000 people of the appropriate age, of which 27,796 are diseases of the respiratory system, which is 44.28% of the total number. At the same time, in 2017, all diseases accounted for 62,895 people per 100,000 population, of which respiratory system diseases accounted for 28,445 patients, which is 45.23%. In 2017, the total morbidity of the population of Ukraine increased by 0.19% compared to 2015. In 2015-2017, the population's incidence of diseases of the respiratory system increased by 2.3 % [4, p. 21; 5, p. 41].

In Ukraine in 2015, the number of first-time registered cases of respiratory diseases was 27,796 per 100,000 population. According to the data of the regional analysis per 100,000 population, this indicator in the Lviv region was 39,530 patients, in the Dnipropetrovsk region - 32,046 patients and 34,157 cases in the Ternopil region. At the same time, in Lviv region in 2017, the number of first-time registered cases of

respiratory system diseases was 39,235 patients per 100,000 population, which is 0.76% less than in 2015. However, in Ternopil and Dnipropetrovsk regions, these indicators increased. In Ternopil region - by 1.29% (32,460 patients), and in the Dnipropetrovsk region - by 5.01% (35,868 patients).

In 2017, the number of cases of diseases of the respiratory system in the population of Ukraine increased by 2.3% compared to 2015 and amounted to 28,445 patients per 100,000 population. The analysis of statistical data shows that in Ukraine in 2015, children aged 15-17 had diseases of the respiratory system in the number of 68,519 cases per 100,000 population, which is 56.51% of all diseases in children of this age (121,248 cases). In the age group of 18 years and older, the indicator was 15,253 people, which is 31.31% of all diseases of this age group (48,722 cases). In 2017, there was an increase in the level of diseases among children aged 15 to 17 years - by 4.54% (71,628 cases, which is 57.06% of the total number of diseases - 125,535 people). At the age of 18 and older, the incidence rate also increases, but not significantly, by only 0.72% (15,363 cases per 100,000 population), which is 31.72% of the total number of diseases in people aged 18 and older (48,345 cases) respectively for 2017. The obtained data indicate an increase in the incidence of children of both age categories during 2015-2017.

So, we observe an increase in the incidence of respiratory diseases in the population of Ukraine in 2017 by 2.3% compared to 2015. This trend persists for persons aged 15-17 years, 18 years and older. In the regional aspect, in 2017, the rate of morbidity of the respiratory system in the Ternopil and Dnipropetrovsk regions increased compared to 2015, and only in the Lviv region there was a slight decrease.

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