

CURRENT STATUS AND TRENDS OF DISABILITY OF WORKING AGE POPULATION DUE TO CHRONIC OBSTRUCTIVE PULMONARY DISEASE AND ASTHMA

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Abstract

The Aim was to examine the level, pattern and dynamics of disability due to chronic obstructive pulmonary disease (COPD) and asthma (A) in people of working age, and to evaluate the peculiarities of disability formation.

Materials and methods. A disability in the Vinnytsia region for 5 years was analyzed. 416 cases, considered newly disabled (COPD — 178 and A — 238), and 4681 cases with re-confirmed disability (4497 cases in total) were evaluated. Social and hygienic method, expertise, structural and logical analysis methods were used.

Results. An annual decrease in the number of disabled due to COPD and A was revealed, which was not consistent with the literature data about the growth of disability caused by these conditions. The ratio of disabled due to COPD and A reflected the dominance of A ranging through the period of observation from 24,4–30% to 70–75,6%. The rate of total disability due to COPD was not high in comparison with A — 2,5 cases per 10 000 of the working age population (for A corresponding value was 7,0 per 10 000), and had a trend towards a reduction in last 5 years. The rate of primary disability in COPD was 0,37, in A — 0,50 per 10 000. In the structure of the general contingent of disabled the majority was comprised by re-confirmed disabled subjects. We also found a significant predominance of men (due to COPD) and group 3 disabled subjects. The main cause of disability was general illness, occupational diseases didn't influence much the disability. Rehabilitation indices were very low (complete rehabilitation — 3,0 %, partial — 10, 8%).

Conclusion. Average level of disability due to COPD in working age population was 1,4 times lower than in A. A decline in the level of primary disability due to COPD was observed for last 5 years. Analysis of disability due to COPD and A revealed a lack of modern science-based health and social rehabilitation programs.

Key words: chronic obstructive pulmonary disease, asthma, disability, rehabilitation.

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