

APPROACHES TO THE ANALYSIS AND PROGNOSIS OF PRIMARY DISABILITY DUE TO RESPIRATORY DISEASES

I. V. Drozdova, O. N. Matsuga, M. G. Sidorova, S. S. Panina,
V. V. Khramtsova

Abstract

The *aim* was to develop the new approaches to the analysis of primary disability due to respiratory diseases.

Materials and methods. The analysis of statistical data of morbidity, prevalence and disability due to respiratory diseases for 2003–2012 years was presented. The adaptive methods of short-term prognostication were used as a basis of the computing technology for current analysis.

Results and discussion. Using our technology we estimated a dynamics of long-term primary disability due to respiratory diseases, revealed the leading tendencies of its changes, determined the regions of high risk, calculated a point and interval prognoses of this index in different administrative territories of Ukraine and offered the approach for estimation of the "hidden" disability. It is indicated the necessity of development of the new methodological approach to the analysis of morbidity, prevalence and disability of adults and capable of working population of Ukraine, allowing not only to estimate the percent of changes of these indexes in relation to the last year and relative risk of its increase, but also to forecast the possible tendencies for short and long time periods. This method would give the possibility to develop purposeful measures for prevention of negative tendencies in future.

Conclusion. Development and introduction of information technologies in the system of health care would provide a transition from a supervision on the separate indexes of morbidity and disability to the active monitoring and improvement the health of Ukrainian population by means of progressive administrative actions.

Key words: statistics, morbidity, disability, respiratory diseases.

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Irina V. Drozdova

SO «Ukrainian State scientific-research institute
of medical-social problems of disability MOH of Ukraine»

Head of psycho-neurology department,

Doctor of medicine, senior research assistant

1-A, Sovietsky pereulok, 49027, Dnepropetrovsk

drozdova@ua.fm