

# ASTHMA: AN ECONOMICAL BURDEN AND ITS MANAGEMENT ON EXAMPLE OF INDUSTRIAL REGION

***P. N. Malysh, F. T. Solyanik, Ju. P. Semenets,  
V. V. Rokotianskaja, G. P. Pobedyonnaja***

## *Summary*

A cost-effectiveness analysis of different medical technologies of asthma management have been carried out in the industrial region. The results of clinical and economical effectiveness of «asthma-school», maintenance therapy along and in combination with  $\omega$ -3 polyunsaturated fatty acids have been demonstrated. The calculation of direct and indirect costs of treatment of severe and moderate asthma in Lugansk oblast have been done. An economical burden of asthma was evaluated as per one patient, per oblast and per one resident. A comparative analysis of clinical and economical effectiveness of maintenance therapy with and without supplemental  $\omega$ -3 polyunsaturated acids have been conducted. Implementation of patient education (asthma-school) could reduce an the cost of asthma management by 1093979,4 USD, use of maintenance therapy in combination with  $\omega$ -3 polyunsaturated acids — by 347114,4 USD