

ASSESSING THE HEALTH IMPACT OF SOCIOECONOMIC FACTORS AND USING THE RESULTS TO MAKE THE MANAGEMENT DECISIONS TO PROVIDE SANITARY AND EPIDEMIOLOGICAL WELL-BEING OF THE POPULATION (CASE STUDY: SVERDLOVSK REGION)¹**T. Derstuganova⁵, B. Velichkovsky⁴, V. Gurvich¹, A. Varaksin², O. Malykh, N. Kochneva³, S. Yarushin¹**

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Abstract. The use of typological factor, correlation and regression analysis has identified a statistically significant relationship between the death rate in working-age population in Sverdlovsk Region and socioeconomic indicators (housing improvements, quality of health services, social strain, and level of demographic load), and their incremental growth adjusted for time shifts. We determined an impact of purchasing power on the death rate of working-age population. We conducted an assessment of the economic losses for public health resulting from premature death of working-age people possibly associated with the impact of socioeconomic factors. We identified priority areas of future activities aimed at making management decisions by the executive bodies and governments at the local level in the Russian Federation as well as Rospotrebnadzor agencies and entities providing sanitary and epidemiological well-being of the population.

Key words: socioeconomic factors, purchasing power, death rate of working-age population.

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