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DEMOGRAPHIC CONSEQUENCES OF THE EPIDEMIC: ARKHANGELSK REGION CASE STUDY

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Abstract. The various types of infectious spread diseases the epidemics and pandemics emergence, which leads to the human lives' loss. The article discusses and summarizes some types of consequences from epidemics using coronavirus infection COVID-19 as the example. The information base of the study was statistical data on the demographic indicators' state and dynamics in the Arctic zone of the Russian Federation regions. The study was conducted by using the statistical analysis methods. The demographic situation in the period from 2000 to 2019 was analyzed, as well as the possible demographic consequences of the COVID-19 epidemic, in comparison with all-Russian data. Based on the analysis of fertility, mortality and migration gain/loss, conclusions were drawn about the decrease in the number of permanent population in the Arctic zone due to such phenomena as low birth rates and negative migration gain. We also analyzed the growth rate of cases and deaths from COVID-19 by months, the proportion of deaths in the cases structure, and it was concluded that an increase in the number of deaths as a result of a new coronavirus infection caused even greater demographic damage to the study areas.

Keywords: arctic zone; epidemic; demographic consequences; population size; morbidity; mortality.

JEL codes: J11; O15.

References

1. COVID-19 pandemic. Biology and Economics. Special issue: information and analytical collection / VINITI RAS; edited by d.e.s. Mizintseva M.F.M.: Pero Publishing House. 2020. 110 p.
2. Abukhovich, Yu.K. (2020) Economic and social consequences of the impact of epidemics on the development of the world economy // *Scientific aspirations*. No. 27. P.: 46-49.

3. Tishkov, A.A. (2020) Ecological effects and consequences of the COVID-19 pandemic // Age of globalization. No. 3. P.: 15-30.
4. Talakvadze, G. (2020) Social, economic and ideological consequences of the COVID-19 pandemic // Sciences of Europe. No. 60-3. P.: 44-50.
- 5 Baud, D.; et al. (2020) Real estimates of mortality following COVID-19 infection // The Lancet infectious diseases. Vol. 20. No. 7. P.: 773.
6. Kulkova, I.A. (2019) Impact of the coronavirus pandemic on demographic processes in Russia // Human Progress. No. 1. P.: 5.
7. Demirtaş-Madran, H.A. (2020) Exploring the motivation behind discrimination and stigmatization re-lated to COVID-19: A social psychological discussion based on the main theoretical explanations // Frontiers in Psychology. Vol. 11. P.: 3204.
8. Social impact of the COVID-19 pandemic and inclusion. Digest (2020) / Accounts Chamber of the Russian Federation. URL: <https://ach.gov.ru/upload/pdf/Covid-19-inclusion.pdf>.
- 9 Sepandi, M.; Taghdir, M.; Alimohamadi, Y.; Afrashteh, S.; Hosamirudsari, H. (2020) Factors Associated with Mortality in COVID-19 Patients: A Systematic Review and Meta-Analysis // Iranian journal of public health. Vol. 49, Issue 7. P.: 1211–1221. <https://doi.org/10.18502/ijph.v49i7.3574>.
10. Dobrokhleb, V.G. (2020) Modern pandemic and the risk of increasing social exclusion of older people // Scientific Review. Series 1. Economics and law. No. 3. P.: 166-173.
11. Shepeleva, I.I.; Chernysheva, A.A.; Kiryanova, E.M.; Salnikova, L.I.; Gurina, O.I. (2020) COVID-19: damage to the nervous system and psychological and psychiatric complications // Social and Clinical Psychiatry. No. 4. P.: 76-82.
12. Stuijtzand, S. et al. (2020) Psychological impact of an epidemic/pandemic on the mental health of healthcare professionals: a rapid review // BMC public health. Vol. 20. No. 1. P.: 1-18.
13. Bobylev, S.N. (2020) Ecological and economic consequences of COVID-19 in Russia and in the global world // Population and Economics. No. 4 (2). P.: 43-48.
14. Mofijur, I.M.; et al. (2021). Impact of COVID-19 on the social, economic, environmental and energy domains: Lessons learned from a global pandemic // Sustainable Production and Consumption. Vol. 26. P.: 343-359. DOI: 10.1016/j.spc.2020.10.016.

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