

KHARKIV NATIONAL MEDICAL UNIVERSITY

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INFECTIOUS DISEASES



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HUMAN SALMONELLOSIS IN KHARKOV REGION, UKRAINE

Introduction: The salmonellosis is common disease for people and animals. This public health problem is caused by a large number of sources of infection, variety of clinical forms and manifestations of a disease, variability of factors of transmission.

Aim: to research the situation with salmonellosis for Kharkov region of Ukraine associated with food borne transmission, to reveal the main factors of transmission

Materials and methods: Data about reported cases of human salmonellosis in the Kharkiv region of Ukraine (the population 2,701 million) for 2016-2018 was analyzed.

Results: Our study showed that 996 people in the Kharkiv region of Ukraine fell ill with salmonellosis in 2016, the Incidence was 36,7 per 100 000 population. 1082 cases of human salmonellosis were reported in 2017, the incidence was 40,03, which is 8,6 % higher than in 2016. In 2018, the number of cases was 914, the Incidence was 34,03, the morbidity decreased by 15,5 % compared with 2017. The food borne route of transmission was predominated (93,9 % of cases). Sick people associate their disease with eating: eggs - 38,3 %; meat products – 28,3 %; dairy products – 11,4 %; other products – 21,7 % on average over three years of observation. An increasing of cases of disease associated with consumption of meat products and eggs were noted.

Conclusions: The problem of reducing human salmonellosis should be considered from the perspective of One Health because a lot of cases associated with animal origin. A retrospective analysis revealed a tense epidemic situation with salmonellosis for Kharkov region of Ukraine associated with food borne transmission. The main factors of transmission are animal origin products: eggs, meat and dairy products. For the formation of a prosperous epidemic situation, it is necessary to strengthen sanitary and veterinary control, more careful control over the state of animal health, and increase control at the stages of preparation, transportation and sales of products of animal origin.

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