

## EPIDEMIOLOGICAL ASSESSMENT OF SALMONELLOSIS DISEASE IN FERGANA CITY AND THE SYSTEM OF ANTI-EPIDEMIC MEASURES

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## ФАРҒОНА ШАХРИ БЎЙИЧА САЛЬМОНЕЛЛЁЗ КАСАЛЛИГИНИ ЭПИДЕМИОЛОГИК ТАХЛИЛИ ВА ЭПИДЕМИЯГА ҚАРШИ ЧОРА ТАДБИРЛАР ТИЗИМИ

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## ЭПИДЕМИОЛОГИЯ И ПРОТИВОЭПИДЕМИЧЕСКИЕ МЕРОПРИЯТИЕ ПРИ ЗАБОЛЕВАНИЕ САЛЬМОНЕЛЛЁЗА

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**Резюме.** Дунё миқёсидаги иқтисодий, ижтимоий ҳамда сиёсий жараёнларнинг ривожланиши жадаллиги кескин суръат билан ўсиб бориши бараварида чак инфекцияларини ҳам сезиларли даражада ўсиб бориши кузатилмоқда.

**Калим сўзлар:** госпиталь, бактерия ташиувчанлик, манба, транзитор.

**Abstract.** Jo due to fast developing ecological social and politics proccses ivestine infections increase.

**Key words:** shtam, hospital, a bacterium the carrier, a source, transitor..

**Relevance of the topic:** prevention of the spread of salmonellosis and improving the quality of medical, veterinary and sanitary services, epidemiological control and implementation of anti-epidemic measures. Salmonellosis is a disease belonging to the group of intestinal infections, they occur sporadically and in the form of exacerbated diseases. Currently, the widespread promotion of medical culture among people has resulted in the reduction of most intestinal infections. In recent years, it has been recorded that salmonellosis occurs in all countries of the world. Salmonella are characterized by the fact that they can live in the external environment for a long time, are sensitive to antibiotics, but later the appearance of their antibiotic-insensitive, i.e. resistant strains, animals are manifested mainly in cattle, Avian, food as the main source of salmonellosis in nature. Patients with an acute and mild type of salmonellosis, as well as the role of bacteria carriers working in the food enterprise, are extremely important. In the spread of salmonellosis, it was annealed that medical personnel served as a source of infection. The fact that salmonellosis is spread mainly through food makes importance in the reproduction of the disease. Salmonella are found in water in different seasons of the year, in addition to food. In the spread of salmonellosis in hospitals, salmonella infected hands of mothers and employees, fast food items, towels, underwear, diaper rash, carpet and others play an important role in the domestic-communicable infection of salmonella.

**Methods of examination:** epidemiological and Bacteriological Methods comparative information of salmonellosis disease from infectious intestinal infections on Fergana city for 10 years 2012-2021.

**As can be seen from the comparative information:** in 2012, 11.4% in the total absolute indicator 29 intensives, of which children in the absolute indicator 29 in the intensive indicator 42.0, in 2013 in the total absolute indicator 20 in the intensives indicator 7.5%, of which children in the absolute 26.5% in the indicator 19 intensive indicators, 11.8% in the total absolute indicator in 2014, of which 46.3% in the total absolute indicator 34 intensive indicators, 12.1% in the total absolute indicator 35 acute indicators in 2015, of which children 41.5% in the total absolute indicator 30 intensive indicators, 9.0% in the total absolute indicator 26 in 2016, of which children 31.2% in the indicator 24 intensive indicators, total absolute in 2017 6.0% in the indicator 18 intensives of which children are 20.0% in the absolute indicator 17 intensives, 5.9% in the total absolute indicator 18 intensives in 2018 of which children are 20.4% in the absolute indicator 17 intensives, 3.8% in the total absolute indicator 12 intensives in 2019 of which children are 11.0% in the absolute indicator 10 intensives, 7% in the total absolute indicator in 2020 of these, 2.2% in the intentionalist index is 6.2% in the children's absolutist index 6 intensive Index, 2.8% in the total absolutist index 9 intentionist index 2021, of which 8.0% in the children's absolutist index 8 intensive index 8.

Comparing the growth and decrease of the disease over the years from the 2012-2013 comparative analysis shows that total salmonellosis disease is -34.2%, of which there is a decrease of -30.1% among children. From a total of +57.3% in 2013-2014, children were observed to increase by +74.7%. In 2014-2015, the total was -11.4%, of which children decreased by -11.4%. In 2015-2016, the total was -28.0%, of which children decreased by 24.8%. In

2016-2017, the total was -34.3%, of which children decreased by 33.1%. In 2017-2018, the total was -1.7%, of which children decreased by -1.7%. In 2018-2019, the total was -35.5%, of which children decreased by -44.1%. In 2019-2020, the total was -42.1%, of which children decreased by 43.6%. In 2020-2021, a total of +27.0%, of which children were found to have increased by +29.0%. We can see that salmonellosis decreased by a total of 2.7% in 2020 year compared to 2012 year, compared to 13.5% among children, according to the results of epidemiological analysis and Bacteriological Methods.

**Conclusion.** As can be seen from the comparative information above, we can see that salmonellosis has significantly decreased in comparison over the years. The correct organization and implementation of measures for the Prevention of salmonellosis in practice is carried out along with employees of Health Protection, Veterinary Services, meat and dairy enterprises, enterprises related to the preparation and distribution of food. Taking into account the different nebulousness of the epidemiology of salmonellosis, medical and veterinary personnel should always be in strong contact with them in the successful fight against rats. The main force in this work should be aimed at identifying the source of high-burden disease among people, animals, poultry and stopping the spread of the disease in its vaccine. Salmonellosis incidence indicator young children are considering that the high at sanitary Epidemiology Service employees milk for children, dairy products, children liquids used to treat and drink their food are ready to do the work of vegetable, food and pharmacy must control. The loss of rodents is considered one of the most important measures in the fight against salmonelles, since rats and mice damage animal slaughterhouses, various food objects with Salmonella, causing infection to spread rapidly on livestock and poultry farms. Among agricultural animals, it is necessary to identify and combat salmonellosis bacterial transport, regulate the slaughter of animals in the yard, carry out veterinary examinations before slaughtering animals, normalize the veterinary sanitary regime in places where they use their meat where meat is processed after slaughter, and constantly carry out veterinary sanitary examinations of food. Combating bacterial transport is one of the most important preventive measures. Patients with salmonellosis and carriers of bacteria are hospitalized on the basis of clinical and epidemiological indications. Children of preschool age carrying bacteria, food enterprises, children and employees of treatment preventive institutions will definitely be hospitalized. In hospitals, epidemiological control over salmonellosis is carried out jointly by employees of the sanitary epidemiological service epidemiologists, sanitary doctors, nutritionists and municipal hygienists, bacteriologists, in which epidemiologists play a key role.

As well as establishing epidemiological analysis, training of medical and veterinary specialists to organize seminars on the topic of anti-disease guidance, one of the main measures in preventing the disease is considered.

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**Резюме.** С развитием быстрыми темпами экономических, социальных, а также политических процессов, усиливается возрастание кишечных инфекций.

**Ключевые слова:** госпиталь, бактерия носитель, источник, транзитор.