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«НАЛЕЖНІ РІШЕННЯ ДЛЯ ПРОГАЛИН У  
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## **DEVELOPMENT OF METHODOLOGICAL APPROACHES OF PHARMACEUTICAL ASSISTANCE FOR CHILDREN IN THE CONDITIONS EMERGENCY SITUATIONS**

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**Introduction.** Currently, the organization of providing pharmaceutical assistance to children in emergency situations is one of the most urgent tasks of emergency medicine. Emergency situations and states of a natural and man-made nature often lead to destruction, threaten the life and health of the population, including children.

**The aim of the study.** The purpose of our research is to develop methodical approaches and a model for the organization of pharmaceutical care for children affected by emergency situations at the territorial level.

**Research methods.** The basis of the research methodology is the legally established priority of children's health care, the concept of the organization of pharmaceutical assistance to victims in emergency situations, the methodology of system analysis, and the theoretical foundations of the method of expert evaluations [1].

The object of the research was pharmaceutical assistance as a process of providing health care organization with medicines and other medical products, including methodical and software support for forming stocks of medicines and other medical products. The subject of the study was the organization of pharmaceutical assistance to children affected by emergency conditions at the territorial level. The empirical basis of the study was made up of foreign and domestic normative documents regulating various aspects of creating and storing stocks of medicines and medical products for formations and medical institutions, questionnaires of experts – medical workers, wholesale prices. Systemic, regional, comparative, situational, content analysis, as well as methods of functional and object modeling, expert evaluations, mathematical statistics, etc., were used in the research process.

The results of expert assessments were statistically processed using the Statistica software [1].

**Main results.** Nowadays, there is an increased risk of major natural and man-made emergencies all over the world. The review of foreign and domestic scientific publications shows that for all developed countries, the prevention and elimination of the consequences of emergency situations is an important state task, for the solution of which special services are created. For example, in the USA, the coordination of actions related to the elimination of the consequences of large-scale emergencies is entrusted to the federal emergency management agency, in Germany to the federal agency for technical support, etc [2].

The basic obligations for children in the course of humanitarian actions (UNICEF, 2010) establish that children should be provided with equal access to basic health

services, within which highly effective preventive and curative measures are taken. At the same time, the strategic result in the field of health care during the humanitarian crisis is the prevention of excessive mortality among the child population. At the same time, in a number of international documents, insufficient attention is paid to the creation of specialized stocks of medicines and medical products used to provide medical assistance to children affected by emergency situations.

The need to take into account the potentially possible types of emergency situations, the age characteristics of the child's body, the possibility of using information technologies to manage drug stocks, as well as the imperfection of the legal framework in the field of emergency medicine became the justification for creating a model of the organization of pharmaceutical care for children who suffered in emergency situations, taking into account the system analysis.

For this purpose, using the IDEF0 methodology, we built a functional model of the organization of pharmaceutical assistance to children affected by emergency situations, which reflects its main function, as well as material and informational resources that ensure its implementation. The ultimate goal of developing this model is to identify the main components of effective pharmaceutical care for children affected by emergency situations at the territorial level, the criteria of which are timeliness and availability.

The developed functional model includes 2 levels: the context diagram and its detailing.

Conclusions. The updated requirements and results of the context diagram of the functional model will be the basis for the development of a methodology for the formation of drug stockpiles for the provision of medical assistance to children affected in emergency situations.

1. Horokhovatskyi, V. O., & Tvoroshenko, I. S. (2021). Methods of intellectual analysis and data processing: teaching manual.
2. Komar, V. V. (2022). Countermeasures against terrorism (using the example of the USA).