

REVIEW ARTICLE

MANAGEMENT OF INSTITUTIONAL AND PREVENTIVE ACTIVITIES IN THE PUBLIC HEALTH SYSTEM OF UKRAINE

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ABSTRACT

The aim: Scientific justification of the public health management methods and instruments for improvement of its effectiveness.

Materials and methods: The authors conducted a complex research of the public health of Ukraine personnel resources development during the system establishment and building.

Conclusions: The paper justifies the competence-based model of a specialist (the postgraduate educational level) as well as the university educational standards of the first (bachelor) and second (master) levels of specialty 229 "Public health", knowledge branch 22 "Healthcare". The authors have established insufficient level of the youth motivation for obtaining the specialty certification and described disadvantages of both advocacy program within the public health system and its leadership within the preventive system component.

The authors emphasize the necessity of an integrated preventive program maintaining and strengthening the population health, using the advocacy component and available information resources of the public health.

KEY WORDS: Public health, operative functions, health promotion

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INTRODUCTION

Establishment of a new professional environment within the public health system of Ukraine is stipulated for the society needs for decreasing infectious diseases burden, fortifying biological safety of the country regarding modern challenges, providing population with healthy life conditions and accessible health service, increasing socioeconomic status of the country as well as its attractiveness for international investment. The development of the preventive service professional capacity through advocacy tendency of the society to the healthcare corresponds to the state policy in general.

The public health system in Ukraine was put on the list of the healthcare institutions (Order of Ministry of Health of Ukraine, issued on 16.05.2018, № 983; registered in the Ministry of Law on 11.06.2018, registration number № 691/32143 «On Introducing Changes to the Healthcare Institutions List»), being the basis of preventive medicine, the development principles of which regard health interests in all state policy branches – disease prevention, increasing longevity and strengthening population health by joint efforts of the society” [1].

THE AIM

Scientific justification of the public health management methods and principles establishment, aimed at its improved effectiveness.

MATERIALS AND METHODS

Complex studies of the Ukrainian public health personnel development during the public health system setting up and advancement were held in 2017-2020 in Shupyk National medical academy of postgraduate education.

REVIEW AND DISCUSSION

Public health in Ukraine has been modified for already first five years. According to the Agreement on Association between Ukraine and European Union, the Community on Atomic Energy and its members, Ukraine is obliged to co-operate with them in the healthcare branch. As a member of the UNO, Ukraine joined the program of Aims of Continuous Development realization through management of the national strategic tasks.

According to the Decree of Cabinet of Ministers of Ukraine issued on 2.09.2015, registration number № 909-p «Issues of Ministry of Health of Ukraine» it was permitted to found the state institution “Center of Public Health”. On the 18th of September 2015, the Order of Ministry of Health of Ukraine № 604 approved the “Regulations of the State Institution “Center of Public Health of Ministry of Health of Ukraine”, which was updated in a new version by the Order of Ministry of Health of Ukraine № 515, issued on March 20, 2018. Another important milestone was approval by the Decree of Cabinet of Ministers of Ukraine №1002-p, issued on 30.11.2016 of “Concept of Public Health

System Promotion”, which defined main challenges in the branch. The Decree of Cabinet of Ministers of Ukraine № 53, issued on 01.02.2017 “On Introducing Changes to the Decree of Cabinet of Ministers of Ukraine № 266 issued on 29.04.2015 “On Approving the List of Study Fields and Specialties of the Undergraduates”, included specialty 229 “Public Health” in the branch 22 “Healthcare”. This proves attitude of Ukraine to training the public health specialists of the healthcare system [2-5].

The problems of public health establishment are related to different human activity directions, accompanied by various factors, requiring identification of dangerous cause-and-effect relationships for justification of the health-promoting and health-preserving technologies.

Nowadays, the public health system hasn't been “architecturally built” yet, it requires development and establishment regarding the experience of advanced countries and European countries as well as the national peculiarities. There still haven't been defined distinct functions and workloads of the public health specialists, who are studying new standards on their first (bachelor) and second (master) levels, presumably in medical high school establishments [6].

Performing main operative functions in the public health system requires competence of specialists in preventive medicine, epidemiology, hygiene, medical statistics and healthcare management regarding systemic collection, analysis and assessment of the health data, planning the recreative events, defining their usefulness and effectiveness of introduction into the practice [7]. Solving such problems, various state sectors and departments are engaged, which needs consolidated and coordinated activities for the sake of all society health; general governmental approach, which guarantees security of the environment, food products, labour conditions, recreation and medical services quality. The foundation of health base by introduction of immune prevention and healthy lifestyle is defined by the Decrees of Cabinet of Ministers of Ukraine № 530-p, issued on 26.11.2018 “National Schedule of Events for Non-Infectious Diseases” and № 1402-p, issued on 27.11.2019 “Expansion Strategy of Immune Prevention and Population Protection against Infectious Diseases until 2022” [8-11].

Informative and explanatory activities (advocacy), communication and social mobilizing for the sake of health are the most optimum ways of public health problem solving. [12, 13]. The public health is focused on the collective health, being closely related to various branches of science and practice, with its expressed political character; it has an important social mission – justice and equality of the state citizens. An increased social consciousness level, related to preserving health and a healthy lifestyle promotion in mass media, using information platform which is filled with modern objective and evidence-based content, represent a progressive measure of management of the non-infectious morbidity in Ukraine. The foundation and support of a single information-analytical medical system relies on the public health centers. Providing definite algorithm of the state organs intra-sector cooperation and professional scientific analysis of the results, with their

distinct presentation for expert assessment on further management decisions is an important component of the public health system.

An important component of adopting significant decisions within the public health is a state sanitation and hygienic monitoring, approved by the Decree of Cabinet of Ministers of Ukraine № 182 on 22.02.2006 “On Approving the Order of State Sanitation and Hygienic Monitoring” (corrected, according to the Decree of Cabinet of Ministers of Ukraine № 1065, issued on 04.12.2019 and № 826, issued on 09.09.2020) [14]. The monitoring is held by the state, being based on the produced and adopted by the Ministry of Health method, further agreed with the central executive organs, as well as the sanitation regulations and other documents aimed at the sanitation and epidemiological population welfare. The documents are used for making current social-economical prognoses.

The document contains a distinct algorithm of monitoring, the tasks of which are creation of the state information database on population health and human life activity environment, detecting the cause-and-effect relationships, risk assessment, introducing ideas for improving sanitation and epidemiological welfare. The institutions interested in creation of healthy population life activity conditions are the Ministry of Health of Ukraine, Ministry of Regional Construction, Ministry of Agricultural Policy, Ministry of Ecology, Ministry of Emergency Situations, State Water Supply Department, Ministry of Labour, National Academy of Sciences and National Academy of Medical Sciences of Ukraine, and the veterinary medicine institutions. The program must be used by the public health centers on all system management levels. The data of the environmental factor effects (physical, chemical, biological and social) onto the population health are necessary for urgent and long-lasting events of prevention and elimination of the risk factors, advancement of the production technologies as well as the recreate measures.

Using the scientific research data, the authors have detected the necessity for justification of the population health indicative criteria, considering the health service poor availability, introduced changes in the accounting medical documentation and its quality. This relates to the morbidity data, which in 40% of all cases aren't recorded, thus decreasing value of such information. The foundation and supporting of the common information-analytical system of medical information is a duty of the public health centers. A distinct algorithm of the inter-sector and inter-department state organs interaction, providing the professional scientific analysis of the consolidated results to be presented to experts in order to accept the appropriate decisions. is urgent for the leader positions in public health. (Table 1).

Increasing social consciousness level of health maintenance, promotion of healthy lifestyle and health are considered to be the up-to-date functions of the public health system of Ukraine, which require scientific justification and development of the program, regarding the country peculiarities.

Table I. Expert assessment of the ways of increasing the public health system significance for maintaining health of population of Ukraine.

Ways of increasing the public health system significance in preventive medicine	Significance level, %	
	1	2
Public health specialists mobility (Experience exchange with the leading countries of the world, the EU countries)		93.80 ± 0.23
Creating a common unified center of the social-hygienic monitoring		96.90 ± 0.08
Organizing effective communication channels		75.00 ± 0.46
Participation in the pre-nosological determination of the population health changes		84.20 ± 0.37
Promoting healthy lifestyle for the country population		92.60 ± 0.25

Introduction of changes into the educational standard, considering the European and international experience for the advocacy system content within the public health system is a priority direction of this modern branch in Ukraine.

According to the conducted studies, the authors have justified a competence-based model of a specialist (the postgraduate educational level) as well as the university educational standards of the first (bachelor) and second (master) levels of specialty 229 "Public health" of the knowledge branch 22 "Healthcare".

CONCLUSIONS

The necessity of establishment of the integrated preventive system of maintaining and strengthening the population health, using the advocacy component and available information resources of the public health system represents a significant and urgent issue in Ukraine.

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Conflict of interest:

The Authors declare no conflict of interest.

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