Introduction

Relevance of the research topic. The quality of health care is one of the main indicators of the well-being of the public life of the country. The President of the Republic of Kazakhstan Kassym-Jomart Tokayev constantly pays attention to the improvement of domestic medicine. Innovation always means moving forward or trying to innovate. The Head of the State said that health care should meet the ever-growing demands, meet new standards, take comprehensive measures to strengthen the health of the nation, and modernize the social support system of the people [1]. he First President of the Republic of Kazakhstan, N.A. Nazarbayev, in his address to the people of Kazakhstan entitled "Kazakhstan-2050" strategy: the new political direction of the established state, "... a strong state, a developed economy and a welfare society based on equal labor" - the main goal for Kazakhstan is. [2] . In the report entitled "Kazakhstan road - 2050: one goal, one interest, one future", he noted that our country should develop in accordance with global economic trends, "it is important to correct and strengthen the trend of innovative industrialization in order to ensure the sustainable development of the country in accordance with the principles of science-based economy".

In foreign research, in particular, the Global Innovation Economy Survey conducted by Cornell University, INSEAD and WIPO (2017), the main areas in which innovations occur in the world are healthcare and information technology. Switzerland, whose main innovation field is pharmaceuticals, ranks 7th among other countries; Kazakhstan ranks 78th and according to the National Official Statistics, the most innovative sector in the republic is the manufacturing industry.

In the globalized world and rapidly developing scientific and technical progress, the path of development is connected with the transition to an innovative model of economy, which involves the intensive conduct of scientific research, the development of new technologies on this basis, and the development of international integration in the scientific and industrial sphere. It is in such countries that more than 90% of the world's scientific potential is concentrated and they control 80% of the global market of high technologies. Annually, the volume of exports of science-related products, for example, to the United States, is 700 billion. US dollars, Germany - 530 billion. US dollars, Japan-400 billion. USD [4.5].

The introduction of innovations is the main way and condition for increasing the competitiveness of enterprises, maintaining a high rate of development and their profitability. However, innovations are a source of development only in the case of creating a favorable environment for their effective use and implementation.

The degree of development of the problem. The scientific works of foreign and domestic economists have made a great contribution to the theory and practice of innovative activity. However, the current state of the domestic economy requires a detailed clarification of its main elements for effective applied activity of innovative business [6].

The works of many foreign and domestic economists are devoted to the issues of innovative development. Among the foreign researchers are Y. Schumpeter, B.

Santo, Zavalina P. N. Fathutdinova R. A., Trefilovoy A., Guseva A. F., Kazakova P. A. and others. b. It is worth noting his works. [7-13].

Among them S. T. Kupeshova, G. M. Mutanov, P. Orymbet, A. Romaniuk, O. Sabden, T. Saduakasov, M. U. Spanov, S. J. Sypabekov and others. b. works can be mentioned. [14-28 etc. p.]

In the works of these practitioners-scientists, enterprises, regions, and the country as a whole, various fields are studied in an innovative way. However, the study of the problems of innovative development in the health care system, especially in the economic sphere, is insufficient, scientific and methodological research on the economic efficiency of innovative management is poor, only fragmentary works and inventions are devoted to this topic.

Object of study. Kazakhstan healthcare system

The subject of research. Is economic and legal relations formed in the field of innovative management in healthcare of the Republic of Kazakhstan.

Necessary solutions to the following problems.

1) providing a general understanding, types and foundations of innovative management to increase the efficiency of the industry;

2) conducting a comprehensive analysis of the terminological apparatus used as the main elements of management in the field of medicine;

3) study of the main aspects of the effectiveness of management of innovative activities of healthcare institutions of the Republic of Kazakhstan;

4) analysis of the main indicators of the effectiveness of health care services by increasing the innovative activity of the industry;

5) analysis of the current situation and problems of introducing innovations in medical institutions of Kazakhstan;

6) Providing a modern and predictable assessment of the development of innovation and efficiency improvement methods in the Health Care System of the Republic of Kazakhstan.

Scientific novelty.

1) an author's scientific explanation was provided regarding the management of innovations, the content of which is the need for the economic benefit of the beneficiaries, which is related to obtaining a social impact, including obtaining it within the sphere of social importance such as health care;

2) content characteristics and factors of innovative management in health care are systematized based on the author's comparative analysis of generally accepted concepts used in the field of economic management with the terminology used in medical practice, which allows to reveal the features of innovation management in this field;

3) an author's definition of the effectiveness of the health care system was given, which is combined with such key indicators as a qualitative indicator of the achievement of improving the health of citizens and a quantitative indicator of the effectiveness associated with obtaining improved results in the medical field;

4) based on the use of cluster and regression analysis, the methodology of efficiency and innovation in the health care management system was developed in

connection with the improvement of the environmental situation in the regions of Kazakhstan;

5) a forecast for the development of the Health Care System was provided on the condition of further introduction of innovations in the field by improving innovative management in the Republic of Kazakhstan;

6) the author proposed an innovative model of effective development of health care in the Republic of Kazakhstan.

Obtained scientific results.

1) an author's scientific explanation was provided regarding the management of innovations, the content of which is the need for the economic benefit of the beneficiaries, which is related to obtaining a social impact, including obtaining it within the sphere of social importance such as health care;

2) content characteristics and factors of innovative management in health care are systematized based on the author's comparative analysis of generally accepted concepts used in the field of economic management with the terminology used in medical practice, which allows to reveal the features of innovation management in this field;

3) an author's definition of the effectiveness of the health care system was given, which is combined with such key indicators as a qualitative indicator of the achievement of improving the health of citizens and a quantitative indicator of the effectiveness associated with obtaining improved results in the medical field;

4) based on the use of cluster and regression analysis, the methodology of efficiency and innovation in the health care management system was developed in connection with the improvement of the environmental situation in the regions of Kazakhstan;

5) a forecast for the development of the Health Care System was provided on the condition of further introduction of innovations in the field by improving innovative management in the Republic of Kazakhstan;

6) the author proposed an innovative model of effective development of health care in the Republic of Kazakhstan.

The research methodology. Is based on the use of scientific-theoretical, informational materials, as well as cluster and regression analysis tools, including the works of foreign and Kazakh experts-scientists.

The dissertation used official National Statistics materials, methodological materials of International Scientific and Practical Conferences (IMPC) and seminars on the topic of research, industry methodological materials and other information-search systems placed on the global network of the Internet as an information base.

In the course of the research, scientific methods of comparative analysis, economic evaluation, generalization, deduction and causal connection, forecasting, systematic and logical analysis were used based on statistical data describing the state and development of health care in Kazakhstan.

Theoretical and practical importance. The theoretical importance of the dissertation is mainly based on the scientific theories of domestic and foreign authors on the issues of the methodology of increasing the efficiency of innovative activity at the micro and meso levels.

The practical value of the work is based on the findings and recommendations of the author of the study, the introduction of innovative technologies in the system of effective health care management and the identification of innovative mechanisms aimed at improving health and increasing the quality of life of the population.

The following scientific rules are issued for protection.

In 1 paper, the theoretical and practical aspects of the innovative activity relevant for the modern stage of the development of domestic healthcare and medical science, namely:

- the author's understanding of the effectiveness of innovation management in the medical field;

- Innovative management factors in health care based on a comparative analysis of economic and special terms used in the field of medical services and assistance;

- methodology for calculating efficiency and innovation in the health care management system related to the improvement of the environmental situation in the regions of Kazakhstan based on the use of cluster and regression analysis;

2 identified main factors in the management system of innovative activities of health care institutions made it possible to determine the features of innovation management in the field;

3 Ways to increase the efficiency of industry development in the case of active implementation of innovative technologies, as a result, made it possible to present a generalized assessment and effective model of innovative management in health care of the republic.

Approbation of work results.The main rules and results of the conducted dissertation research were reported and discussed at international scientific and practical conferences. The scientific results of the dissertation were used in teaching the courses "Innovative management", "business organization" in educational activities.

Research information base.

Message from the Head of State Kassym-Jomart Tokayev to the people of Kazakhstan «Fair Kazakhstan: law and order, economic growth, public optimism» //korda.kz/ru/poslanie-glavy-gosudarstva-kasym-zhomarta-tokaeva-narodu-kazahstana-spravedlivyy-kazahstan-zakon-i-poryadok-ekonomicheskiy-rost-obshchestvennyy-optimizm-285014. Message from the President of the Republic of Kazakhstan - Leader of the Nation N.A. Nazarbayev to the people of Kazakhstan “Strategy “Kazakhstan-2050”: a new political course of an established state.//Kazakhstanskaya Pravda newspaper.// https://primeminister.kz/gosprogrammy/strategiya-kazahstan-2050. Message from the Leader of the Republic of Kazakhstan N. Nazarbayev to the people of Kazakhstan “Kazakhstan’s path - 2050: Common goal, common interests, common future” from Astana Kazakhstan, //https://www.akorda.kz/ru/addresses/addresses_of_president/poslanie-prezidenta-respubliki-kazahstan-nnazarbaeva-narodu-kazahstana-17-yanvarya-2014-g.

Decree of the President of the Republic of Kazakhstan dated September «On the State Program for Reform and Development of Health Care of the Republic of Kazakhstan for 2005-2010». Decree of the President of the Republic of Kazakhstan

dated November 29, 2010 No. 1113 «On approval of the State Health Development Program of the Republic of Kazakhstan «Salamatty Kazakhstan» for 2011-2015.» . Internet resource Coronavirus without medicine

/https://vlast.kz/avtory/59291-cetyre-goda-nazad-nacalas-75 Internet resource of the official website of the Administration of the President of the Republic of Kazakhstan: https://www.akorda.kz/ru/speeches/internal_political_affairs/in_speeches_and_addresses/vystuplenie-prezidenta-kazahstana-nnazarbaeva-na-otkrytii-chetvertoi-sessii-parlamenta-respubliki-kazahstan-shestogo-sozyva.

Internet resource of the official website of the media portal «News from Germany, Russia, Europe, the World»: https://www.dw.Com/ru/плюсы – и – минусы - немецкой-системы-здравоохранения/a-5381833.

Internet resource of the official website https://www.zakon.kz/politika/6007291-pochti-polovina-medtekhniki-v-kazakhstane-iznoshena-minzdrav.html.

Internet resource of the official website «Finprom.kz» https://finprom.kz/ru/article/investicii-v-zdravoohranenie-v-rk-uvelichilis-na-45-za-god.

Internet resource of the official website of the Bureau of National Statistics of the Republic of Kazakhstan:https://stat.gov.kz/ru/industries/business-statistics/stat-struct/publications/75605/. Internet resource of the official website of the media portal «Zakonkz»: https://www.zakon.kz/redaktsiia-zakonkz/4892895-reformy-zdravoohraneniya-vnedrenie-osms.html. pandemia-uroki-kotorye-my-ne-izvlekli.html

Publication of research results. 11 scientific articles were published on the topic of the dissertation, totaling 4.7 publications. l., including 2 articles published in the publication included in the Scopus database; 4 scientific articles in the magazine presented by the RK BMSC; 5 articles were published in the materials of the international scientific conference.

Dissertation structure. Dissertation work consists of introduction, three parts, conclusion, list of used literature; It consists of the names of 122 literary sources; consists of 7 tables, 27 pictures, 4 formulas; It consists of 143 pages.