

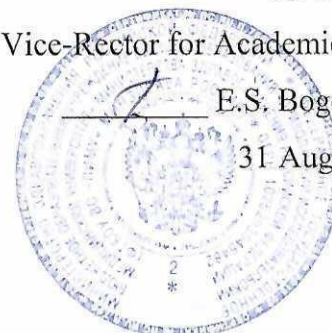
Federal State Budgetary Educational Institution of Higher Education
"Privolzhsky Research Medical University"
Ministry of Health of the Russian Federation

APPROVED

Vice-Rector for Academic Affairs

E.S. Bogomolova

31 August 2021



WORKING PROGRAM

Name of the academic discipline:

PUBLIC HEALTH, HEALTH CARE MANAGEMENT AND HEALTH ECONOMICS

Specialty: **31.05.01 GENERAL MEDICINE**

(code, name)

Qualification: **GENERAL PRACTITIONER**

Department: **SOCIAL MEDICINE AND HEALTH CARE MANAGEMENT**

Mode of study: **FULL-TIME**

Labor intensity of the academic discipline: 180 **academic hours**

Nizhny Novgorod
2021

The working program has been developed in accordance with the Federal State Educational Standard for the specialty 31.05.01 GENERAL MEDICINE, approved by Order of the Ministry of Science and Higher Education of the Russian Federation No. 988 of August 12, 2020

Developers of the working program:

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The program was reviewed and approved at the department meeting (protocol No. 01 June 2021)


Head of the Department,
Grand PhD in Medical Sciences,
Professor
(signature)



I. A. Pereslegina

"04" June_2021

AGREED

Deputy Head of EMA ph.d. of biology  Lovtsova L.V.
(signature)

"04" June_2021

1. The purpose and objectives of mastering the academic discipline PUBLIC HEALTH, HEALTH CARE MANAGEMENT AND HEALTH ECONOMICS (hereinafter – the discipline):

1.1. The purpose of mastering the discipline: participation in the formation of competencies, including measures to preserve and strengthen public health, eliminate risk factors and promote a healthy lifestyle, organization, management and document flow in the field of protecting the health of citizens, conducting an examination of temporary disability, collecting and analyzing information on population health indicators, assessing the quality medical care (UK-1, UK-6, GPC-1, GPC-2, GPC-11; PC-11; PC-12; PC-15; PC-19; PC-21; PC-22; PC-23).

1.2. Tasks of the discipline: requirements to the deliverables of mastering the discipline

As a result of completing the discipline, the student should

Know: the fundamentals of the legislation of Russia and foreign countries on the protection of the health of adults, children, adolescents, newborns, pregnant women, the disabled and other populations at risk; the main legal documents in the field of healthcare; legal foundations of state policy in the field of vaccination and donation in Russia and abroad; basic principles of management and organization of medical care to the population in Russia and abroad; issues of social insurance, social security and protection of the population in Russia and abroad; system of organization of compulsory and voluntary health insurance in Russia, private and professional insurance systems; comparative characteristics of health systems in the world; sources of financing of the healthcare system in Russia and abroad; methods of planning and financing the activities of health care institutions in Russia and abroad; organization of medical control over the state of health of the population, issues of examination of temporary disability and medical and social examination in Russia and abroad; methodology for calculating indicators of public health and the activities of medical organizations; fundamentals of medical statistics and the application of the statistical method in medical research; maintenance of basic accounting and reporting medical documentation in medical organizations; functional duties of a doctor, head of a department in medical organizations of polyclinic and hospital type; factors that shape human health (biological, environmental, professional, medical care organizations, natural and climatic, social, psycho-emotional, etc.), diseases associated with the adverse effects of these factors and methods for their prevention; organization of medical care for the working population; organization of geriatric care; issues of maternity and childhood protection, organization of medical care at the stages of pregnancy planning, during pregnancy and after childbirth, for children and adolescents; basics of preventive medicine, methods of sanitary and educational work with the population and the organization of preventive measures aimed at maintaining and strengthening the health of the population, eliminating risk factors and promoting a healthy lifestyle.

Be able to: plan, analyze and evaluate the quality of medical care, the state of health of the population and the impact of environmental and industrial factors on it; to analyze indicators of the state of health of the population and the activities of health care institutions; conduct an economic analysis of the results of the activities of medical organizations and an assessment of its economic efficiency; participate in the organization of medical and preventive and sanitary and anti-epidemic assistance to the population, taking into account its socio-professional and age-gender structure; to carry out preventive measures to increase the body's resistance to adverse environmental factors using various methods of physical culture and sports, hardening, to promote a healthy lifestyle.

Possess: the rules of maintaining and filling out medical records; methods of organizing and conducting clinical and statistical research, collecting, processing and analyzing medical and statistical information; methods for calculating the economic damage from the morbidity of the working and non-working population, medical, social and economic effect and economic efficiency from the introduction of new methods of treatment, prevention and rehabilitation, from reducing morbidity, temporary and permanent disability and mortality of the population;

methods for calculating cost indicators in the activities of health care institutions of polyclinic and hospital type, consolidating indicators of the health care economy, indicators of the state of public health, and other indicators of medical statistics.

2. Position of the academic discipline in the structure of the General Educational Program of Higher Education (GEP HE) of the organization.

2.1. The discipline PUBLIC HEALTH, HEALTH CARE MANAGEMENT AND HEALTH ECONOMICS refers to the mandatory part of Block 1 "Disciplines (modules)" of GEP HE B1.O.24.

The discipline is taught in the sixth and seventh semesters of the academic year.

2.2. The following knowledge, skills and abilities formed by previous academic disciplines are required for mastering the discipline:

1. jurisprudence,
2. economics,
3. psychology and pedagogy,
4. philosophy,
5. bioethics,
6. medical informatics,
7. hygiene,
8. propaedeutic of internal diseases,
9. nursing (therapeutic profile),
10. nursing (therapy),
11. educational practice (caring for patients of a therapeutic and surgical profile).

2.3. Mastering the discipline is required for forming the following knowledge, skills and abilities for subsequent academic disciplines:

1. medical rehabilitation,
2. obstetrics and gynecology,
3. faculty therapy,
4. faculty surgery,
5. epidemiology,
6. infectious diseases,
7. outpatient therapy,
8. pediatrics,
9. hospital therapy,
10. hospital surgery,
11. forensic medicine,
12. evidence-based medicine ,
13. organizational aspects of the activities of the district doctor,
14. professional practices ("Assistant of the ward nurse", "Assistant of the procedural nurse", "Doctor's assistant", "Doctor's assistant of the outpatient clinic").

3. Deliverables of mastering the academic discipline and metrics of competence acquisition

Mastering the discipline aims at acquiring the following universal (UC) or/and general professional (GPC) or/and professional (PC) competencies

The code and name of the universal competence graduate	Code and name of the competence acquisition metric
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<p>UC-1. Able to carry out a critical analysis of problem situations based on a systematic approach, develop an action strategy</p>	<p>1.1 Knows: methods of critical analysis and evaluation of modern scientific achievements; basic principles of critical analysis 1.2 Able to: gain new knowledge based on analysis, synthesis, etc.; collect data on complex scientific problems related to the professional field; search for information and solutions based on action, experiment and experience 1.3 Has practical experience: researching the problem of professional activity using analysis, synthesis and other methods of intellectual activity; developing an action strategy to solve professional problems</p>
<p>UC-2. Able to manage the project at all stages of its life cycle</p>	<p>2.1 Knows: methods for presenting and describing the results of project activities; methods, criteria and parameters for evaluating the results of project implementation; principles, methods and requirements for the project work 2.2 Able to: prove practical and theoretical significance of the results obtained; check and analyze the design documentation; predict the development of processes in the project professional field; put forward innovative ideas and non-standard approaches to their implementation in order to implement the project; calculate qualitative and quantitative results, deadlines of project work execution 2.3 Has practical experience in: project management in the field relevant to professional activity; distribution of tasks and encouraging others to achieve goals; management development of technical specifications of the project, management implementation of profile project work; participation in the development technical specifications of the project and the project implementation program in the professional field</p>
<p>UC-3. Able to organize and manage the work of the team, developing a team strategy to achieve the goal</p>	<p>3.1 Knows: the problems of selecting an effective team; basic conditions for effective teamwork; the basics of strategic human resource management, regulatory legal acts concerning the organization and implementation of professional activities; organizational behavior models, factors of formation of organizational relationships; strategies and principles of teamwork, the main characteristics of the organizational climate and interaction of people in the organization 3.2 Able to: determine the management style for the effective team work; develop a team strategy; apply the principles and methods of organizing team activities 3.3 Has practical experience in: participation in the development of a team work strategy; participation in teamwork, role distribution in the team interaction</p>
<p>UC-4. Able to apply modern communication technologies, including the use of a foreign language(s), for academic and professional interaction</p>	<p>4.1 Knows: the basics of oral and written communication in Russian and foreign languages, functional styles of the native language, requirements to business communication, modern means of information and communication technologies 4.2 Can: express thoughts in Russian and a foreign language in business communication 4.3 Has practical experience in: writing texts in Russian and foreign languages related to the professional activity; experience in translating medical texts from a foreign language into Russian; experience in speaking Russian and foreign languages.</p>

<p>UC-5. Able to analyze and take into account the diversity of cultures in the process of cross-cultural interaction</p>	<p>5.1 Knows: the main categories of philosophy, the laws of historical development, the basics of intercultural communication; the basic concepts of human interaction in the organization</p> <p>5.2 Able to: competently, intelligibly present professional information in the process of intercultural interaction; observe ethical norms and human rights; analyze the features of social interaction taking into account national, ethno-cultural, confessional features</p> <p>5.3 Has practical experience in: productive interaction in the professional environment taking into account national, ethno-cultural, confessional features; overcoming communicative, educational, ethnic, confessional and other barriers in the process of intercultural interaction</p>
<p>UC-6. Able to identify and implement the priorities of their own activities and ways to improve them based on self-assessment and lifelong learning</p>	<p>6.1 Knows: the importance of planning long-term goals of activity taking into account conditions, means, personal opportunities, stages of career growth, time perspective of development of activity and requirements of the labor market; technology and methodology of self-assessment; basic principles of self-education</p> <p>6.2 Able to: determine the priorities of professional activity and ways to improve it on the basis of self-assessment; control and evaluate the components of professional activity; plan independent activities in solving professional problems</p> <p>6.3 Has practical experience in: planning their own professional activities and self-development, studying additional educational programs</p>
<p>UC-7. Able to maintain the proper level of physical condition to ensure full-fledged social and professional activities</p>	<p>7.1 Knows: health-saving technologies for maintaining a healthy lifestyle, taking into account the physiological characteristics of the body</p> <p>7.2 Able to: competently and ergonomically, logically plan working and free time for an optimal combination of physical and mental load and ensure working capacity; maintain the proper level of physical condition to ensure full-fledged social and professional activities and comply with the norms of the healthy lifestyle</p> <p>7.3 Has practical experience in: maintaining the proper level of physical condition to ensure full-fledged social and professional activities and compliance with the norms of the healthy lifestyle</p>
<p>UC-8. Able to: create and maintain safe living conditions in everyday and professional life for the preservation of the natural environment, ensuring sustainable development of society, including in the case of a threat and occurrence of emergency situations and military conflicts</p>	<p>8.1 Knows: factors of harmful influence on vital activity; algorithms of actions in case of emergencies and military conflicts</p> <p>8.2 Able to: identify dangerous and harmful factors within the framework of its activities, create and maintain safe living conditions in everyday and professional life</p> <p>8.3 Has practical experience in: participation in planned exercises to work out the rules of conduct in case of emergencies, first aid; complies with safety regulations at the workplace</p>
<p>UC-9. Able to use basic defectological knowledge in social and professional spheres</p>	<p>9.1 Knows: the basics of defectology</p> <p>9.2 Able to: establish effective communication and create a tolerant environment when working with people with disabilities</p> <p>9.3 Has practical experience in: medical, social and organizational support of people with disabilities when they receive medical care</p>
<p>UC-10. Able to: make well-founded economic decisions in various areas of life</p>	<p>10.1 Knows: fundamentals of economic theory, the nature of economic relations</p> <p>10.2 Able to: analyze specific economic situations in various areas of life</p> <p>10.3 Has practical experience in: making well-founded economic decisions</p>

UC-11. Able to: form an intolerant attitude to the corrupt behavior	<p>11.1 Knows: the regulatory framework for combating corruption; ethical norms of the relationship between a doctor and a patient (his / her legal representatives)</p> <p>11.2 Able to: correctly determine the tactics of relationships with patients in various situations, including cases of provoking a doctor to corrupt behavior on the part of the patient (his \ her legal representative)</p> <p>11.3 Has practical experience in: communicating with patients (his / her legal representatives) in various situations</p>
Code and name of General Professional Competence (GPC)	Code and name of the competence acquisition metric
GPC-1. Able to implement moral and legal norms, ethical and deontological principles in professional activities	<p>1.1 Knows: basics of medical ethics and deontology; fundamentals of legislation in the field of healthcare; legal aspects of medical practice</p> <p>1.2 Able to: apply ethical norms and principles of behavior of a healthcare worker in the performance of their professional duties; knowledge of modern legislation in the field of healthcare in solving problems of professional activity; apply the rules and norms of interaction between a doctor and colleagues and patients (their legal representatives)</p> <p>1.3 Has practical experience in: solving standard problems of professional activity based on ethical norms and deontological principles when interacting with colleagues and patients (their legal representatives), knowledge of the legal aspects of medical practice</p>
GPC-2. Able to conduct and realize control of efficiency of activities for prevention, formation of the healthy lifestyle and sanitary and hygienic education of the population	<p>2.1 Knows: the main criteria for the healthy lifestyle and methods of its formation; social and sanitary medical aspects of alcoholism, drug addiction, substance abuse, basic principles of their prevention; forms and methods of sanitary and hygienic education among patients (their legal representatives), medical workers; basic hygienic recreational activities that contribute to the health promotion and prevention of the most common diseases; fundamentals of preventive medicine; stages of planning and implementation of communal programs for the prevention of the most common diseases</p> <p>2.2 Able to: conduct sanitary and hygienic education among children and adults (their legal representatives) and healthcare workers in order to form a healthy lifestyle and prevention of the most common diseases; carry out sanitary and educational work among children and adults with the aim of forming the healthy lifestyle and prevention of the most common diseases; of children and adults (their legal representatives) conduct aimed at preserving and improving the level of somatic health; develop and implement programs of healthy lifestyle formation, including reduction programs of alcohol and tobacco consumption, prevention and fight against non-medical narcotic drug use and psychotropic substances; develop a plan of preventive measures and implement methods of group and individual prevention of the most common diseases; prescribe preventive measures to patients taking into account risk factors for prevention and early detection of diseases including cancer; carry out non-drug methods for the prevention of the most common diseases</p> <p>2.3 Has practical experience in: propaganda of healthy lifestyle and prevention of the most common diseases; carrying out sanitary and educational work among children and adults; formation of children and adults (their legal representatives) conduct aimed at preserving and improving the level of somatic health; formation of healthy lifestyle programs, including alcohol and tobacco consumption reduction programs, prevention and fight against non-medical consumption of narcotic drugs and psychotropic substances; development of a preventive action plan of events and implementation of group and individual prevention of the most common diseases; prescription of preventive measures for children and adults taking</p>

	<p>into account risk factors, oncological and hygienic prevention in accordance with the procedures for providing medical care, clinical recommendations taking into account the standards of medical care; selection of non-drug methods for the prevention of the most common diseases</p>
<p>GPC-3. Able to the counteraction of doping use in sports and fighting against it</p>	<p>3.1 Knows: fundamentals of the legislation in the field of countering the use of doping in sports mechanisms of action of the main drugs, used as doping in sports 3.2 Able to: apply knowledge of action mechanisms of the main medicines used as doping in sports, organize the fight against it; carry out sanitary and educational work among different groups of the population. 3.3 Has practical experience in: conducting sanitary and educational work aimed at the fight against doping in sports, among students, engaged in sports.</p>
<p>GPC-4. Able to apply medical products, provided by the order of healthcare delivery, as well as examine patients for the purpose of determining the diagnosis</p>	<p>4.1 Knows the methodology of collecting anamnesis of life and diseases, complaints of patients (their legal representatives); examination procedure; and physical examination; clinical aspect, methods of diagnosis of the most common diseases; methods of laboratory and instrumental investigations to assess the state of health, medical indications for conducting research, rules for interpreting their results; international statistical classification of diseases and health-related problems (ICD); conditions requiring emergency medical care; procedure for the use of medical devices in accordance with the current procedures for providing medical care, clinical recommendations (treatment protocols) on the medical care delivery taking into account the standards of medical care 4.2 Able to: collect complaints, anamnesis of life and disease of patients (their legal representatives), identify risk factors and causes of diseases; apply methods of examination and physical survey of patients; interpret the results of examination and physical examination of patients; diagnose the most common pathology among patients; identify risk factors for cancer; formulate a preliminary diagnosis, to make a plan for conducting laboratory, instrumental and additional investigations of patients in accordance with the procedures for providing medical care, clinical recommendations taking into account the standards of medical care; to refer patients to laboratory, instrumental and additional investigations in accordance with the current procedures for providing medical care, clinical recommendations, taking into account the standards of medical care; refer patients for consultations to medical specialists in accordance with the procedures of medical care, clinical recommendations taking into account the standards of medical care; to interpret and analyze the results of consultations by medical specialists of patients; to interpret and analyze the results of basic (clinical) and additional (laboratory, instrumental) examination methods; carry out differential diagnosis of diseases of patients; identify clinical signs of sudden acute diseases, conditions, exacerbations of chronic diseases without obvious signs of life-threatening, requiring medical care in an urgent form; use medical devices in accordance with current medical procedures, clinical recommendations (treatment protocols) on the provision of medical care, assistance taking into account the standards of medical care 4.3 Has practical experience in: collecting complaints, anamnesis of life and disease of patients (their legal representatives), identifying risk factors and causes of disease development; examination and physical survey of patients;</p>

	<p>diagnosis of the most common diseases; identification of risk factors for major oncological diseases; formulation of a preliminary diagnosis, drawing up a plan for instrumental, laboratory, additional investigations, consultations of specialist doctors; referral of patients for instrumental, laboratory, additional investigations, consultations of specialist doctors in accordance with the current procedures for providing medical care, clinical recommendations taking into account the standards of medical care; interpretation of data from additional (laboratory and instrumental) examinations of patients; making a preliminary diagnosis in accordance with the international statistical classification of diseases and problems related to health (ICD); differential diagnosis of diseases; recognition of conditions arising from sudden acute diseases, exacerbation of chronic diseases without obvious signs of a threat to the patient's life and requiring urgent medical care; the use of medical devices in accordance with current medical procedures, clinical recommendations (treatment protocols) on the issues of medical care delivery, assistance taking into account the standards of medical care</p>
<p>GPC-5. Able to assess morpho-functional, physiological conditions and pathological processes in the human body to solve professional problems</p>	<p>5.1 Knows: anatomy, histology, embryology, topographic anatomy, physiology, pathological anatomy and physiology of human organs and systems 5.2 Able to: evaluate the basic morphological and functional data, physiological conditions and pathological processes in the human body 5.3 Has practical experience in: assessment of basic morphological and functional data, physiological conditions and pathological processes in the human body when solving professional problems</p>
<p>GPC-6. Able to: organize patient care, provide primary health care, ensure the organization of work and professional decision-making in case of medical emergency on the prehospital stage, in the conditions of emergency situations, epidemics and in centers of mass destruction</p>	<p>6.1 Knows: methods of collecting complaints and anamnesis of patients (their legal representatives); methods of physical examination of patients (examination, palpation, percussion, auscultation); principles and methods of medical care delivery to patients in urgent conditions, in emergency situations, epidemics and in centers of mass destruction in accordance with the procedures for providing medical care, clinical recommendations taking into account the standards of medical care; clinical signs of major emergency conditions; principles of medical evacuation in emergency situations, epidemics and in centers of mass destruction; principles of work in centers of mass destruction; principles of organization of patient care, first aid treatment 6.2 Able to: recognize conditions that require healthcare delivery in an emergency form, including in the conditions of emergencies, epidemics and in the centers of mass destruction, requiring medical assistance in an emergency form; organize the work of medical personnel in emergency situations, epidemics and in centers of mass destruction; provide emergency medical care to patients in conditions that pose a threat to the life of patients, including (blood circulation and (or) respiration); use medicines and medical products when providing medical care in emergency conditions; perform basic cardiopulmonary resuscitation; use personal protective equipment; organize patient care, provide primary health care 6.3 Has practical experience in: assessing the condition requiring healthcare delivery in an emergency form, including in emergency situations, epidemics and in the centers of mass destruction; definition of life-threatening conditions, including the state of clinical death (arrest of vital important functions of the human body (blood circulation and (or) breathing) requiring medical care in the emergency form; medical care delivery in emergency form to patients in conditions, constituting life-threatening situations including clinical death (arrest of vital functions of</p>

	<p>human body (blood circulation and (or) respiration); the use of medicines and medical products in the provision of medical care in case of emergency conditions and epidemics; use of personal protective equipment; organization of patient care, first aid measures</p>
<p>GPC-7. Able to prescribe treatment and monitor its effectiveness and safety</p>	<p>7.1 Knows: methods of drug and non-drug treatment, medical indications for the use of medical devices for the most common diseases; groups of drugs used to provide medical care in the treatment of the most common diseases; the mechanism of their action, medical indications and contraindications to the prescription; compatibility, possible complications, side effects, adverse reactions, including serious and unforeseen; features of medical care in emergency forms</p> <p>7.2 Able to: develop a treatment plan for patients with the most common diseases in accordance with the procedures for providing medical care, clinical guidelines taking into account the standards of medical care; prevent or eliminate complications, side effects, adverse reactions, including unforeseen ones, resulting from diagnostic or therapeutic manipulations, the use of drugs and (or) medical devices, non-drug treatment</p> <p>7.3 Has practical experience in: developing a treatment plan for patients with the most common diseases in accordance with the current procedures for the provision of medical care, clinical guidelines, taking into account the standards of medical care; provision of emergency and urgent medical care to patients with the most common diseases in accordance with the current procedures for providing medical care, clinical guidelines, taking into account the standards of medical care; selection and prescription of medicines, medical devices with the most common diseases for the treatment of the most common diseases of children and adults in accordance with the current procedures for providing medical care, clinical recommendations, taking into account the standards of medical care; evaluation of the effectiveness and safety of the use of drugs, medical devices and non-drug treatment of patients with the most common diseases; selection and prescription of non-drug treatment for patients with the most common diseases in accordance with the procedures for providing medical care, clinical guidelines, taking into account the standards of medical care; prevention and treatment of complications, side effects, adverse reactions, including unforeseen ones, resulting from diagnostic or therapeutic manipulations, the use of drugs and (or) medical devices, non-drug treatment; providing medical care to patients with sudden acute diseases, conditions, exacerbation of chronic diseases without obvious signs of a threat to the patient's life in an emergency form; the use of medicines and medical devices in the provision of medical care in an emergency form</p>
<p>GPC-8. Able to implement and realize monitoring the effectiveness of the patient's medical rehabilitation including in the implementation of individual rehabilitation and habilitation programs for the disabled people, assess the patient's ability to carry out work activities</p>	<p>8.1 Knows: procedures for the organization of medical rehabilitation, including the implementation of individual rehabilitation and habilitation programs for disabled people; methods of medical rehabilitation of a patient including when implementing individual rehabilitation and habilitation programs for the disabled, medical indications and medical contraindications for their implementation taking into account the diagnosis in accordance with current procedures of the organization of medical rehabilitation, clinical recommendations taking into account the standards of medical care; ways to prevent or eliminate complications, side effects, adverse reactions, including serious and unforeseen, arising as a result of medical rehabilitation measures; procedure for examination of temporary disability and signs of temporary disability of a patient; signs of persistent impairment of body functions caused by diseases, consequences of injuries or defects</p> <p>8.2 Able to: develop an action plan for the medical rehabilitation of patients</p>

	<p>including the implementation of individual rehabilitation and habilitation programs for the disabled people in accordance with the current procedure for the organization of medical rehabilitation, clinical recommendations taking into account the standards of medical care; determine medical indications for medical rehabilitation measures in accordance with the current procedure for the organization of medical rehabilitation, clinical recommendations taking into account the standards of medical care; evaluate the effectiveness and safety of medical rehabilitation measures for patients including when implementing individual rehabilitation and habilitation programs for disabled people in accordance with the current procedure for organizing medical rehabilitation, clinical recommendation taking into account the standards of medical care; identify signs of temporary disability and signs of persistent impairment of body functions caused by diseases, consequences of injuries or defects</p> <p>8.3 Has practical experience in: drawing up a plan of measures for medical rehabilitation of a patient, including when implementing individual rehabilitation and habilitation programs for disabled people, in accordance with the current procedure for medical rehabilitation, clinical recommendations, taking into account medical care standards; carrying out medical rehabilitation measures for patients including when implementing individual rehabilitation and habilitation programs for disabled people, in accordance with the current procedure for the organization of medical rehabilitation, clinical recommendations, taking into account the standards of medical care; evaluation of the effectiveness and safety of measures for medical rehabilitation of patients, including the implementation of individual rehabilitation and habilitation programs for disabled people</p>
<p>GPC-9. Able to implement the principles of quality management in the professional activity</p>	<p>9.1 Knows: the basic concepts of the quality management system of a medical organization; requirements for ensuring internal quality control and safety of medical activities</p> <p>9.2 Able to: analyze the quality of medical care to dental patients; ensure internal quality control and safety of medical activities; organize work and monitor the performance of official duties of the medical personnel</p> <p>9.3 Has practical experience in: carrying out work to ensure internal quality control of medical care for dental patients and the safety of medical activities</p>
<p>GPC-10. Able to understand the principles of modern information technologies and use them to solve the tasks of professional activity</p>	<p>10.1 Knows: the capabilities of reference information systems and professional databases; methods of information retrieval, information and communication technologies; modern medical and biological terminology; fundamentals of information security in professional activities</p> <p>10.2 Able to: apply modern information and communication technologies to solve the tasks of professional activity; carry out an effective search for information necessary to solve the tasks of professional activity using reference systems and professional databases; use modern medical and biological terminology; master and apply modern information and communication technologies in professional activity, taking into account the basic requirements of information security</p> <p>10.3 Has practical experience in the use of modern information and bibliographic resources, the use of special software and automated information systems to solve standard tasks of professional activity, taking into account the basic requirements of information security</p>
<p>GPC-11. Able to: prepare and apply scientific, research and production, design, management and</p>	<p>11.1 Knows: scientific, research and production, design, management and regulatory documentation in the healthcare system</p> <p>11.2 Able to: prepare scientific, research and production, design,</p>

regulatory documentation in the health care system	management and regulatory documentation in the healthcare system
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Mandatory professional competencies of graduates and metrics of their acquisition

Code and name of professional competence (PC)	Code and name of the competence acquisition metrics
PC -1 Able to assess the condition of a patient requiring medical treatment in the emergency form	<p>1.1 Knows: etiology, pathogenesis and pathomorphology, clinical aspect, differential diagnosis, clinical features, complications and outcomes of diseases of internal organs; methodology for collecting complaints and anamnesis; physical examination technique (examination, palpation, percussion, auscultation); a list of laboratory and instrumental research methods for assessing the condition, the main medical indications for conducting research and interpreting the results of patients requiring medical care in the emergency form</p> <p>1.2 Able to: identify clinical signs of conditions requiring medical treatment in the emergency form</p>
PC-2 Able to recognize conditions arising from sudden acute diseases, exacerbation of chronic diseases without obvious signs of a threat to the patient's life and requiring urgent medical care, recognize conditions that pose a threat to the patient's life including conditions of clinical death (stopping vital functions of the human body (blood circulation and/or respiration), requiring the provision of emergency medical care	<p>2.1 Knows: etiology, pathogenesis and pathomorphology, clinical picture, differential diagnosis, features of the course, complications and outcomes of diseases of internal organs; methods of collecting complaints and anamnesis in patients (their legal representatives); methods of physical examination of patients (examination, palpation, percussion, auscultation); a list of methods of laboratory and instrumental investigations to assess the patient's condition, the main medical indications for conducting research and interpreting the results; clinical signs of sudden cessation of blood circulation and/ or respiration</p> <p>2.2 Can: identify clinical signs of conditions requiring emergency medical care; identify conditions requiring emergency medical care, including clinical signs of sudden cessation of blood circulation and respiration</p>
PC-3 Able to: provide emergency medical care to patients in case of sudden acute diseases, conditions, exacerbation of chronic diseases without obvious signs of a threat to the patient's life, provide emergency medical care to patients in conditions that threaten the patient's life, including clinical death (suspension of vital functions the human body(circulation and/or respiration)	<p>3.1 Knows: basic cardiopulmonary resuscitation rules; principles of operation of devices for external electropulse therapy (defibrillation); rules for performing external electrical impulse therapy (defibrillation) in case of sudden cessation of blood circulation and / or respiration</p> <p>3.2 Able to: perform measures to provide medical care in urgent and emergency forms; basic cardiopulmonary resuscitation in combination with electrical impulse therapy (defibrillation)</p>
PC-4 Able to use medicines and medical devices for providing medical care in emergency forms	<p>4.1 Knows: modern methods of using medicines, medical devices for diseases and conditions in accordance with the current procedures for providing medical care, clinical recommendations (treatment protocols) on the provision of medical care taking into account the standards of medical care in the provision of medical care in emergency or urgent forms; the mechanism of action of drugs, medical devices, medical indications and contraindications to their use; complications caused by their use; principles of operation of devices for external electric pulse therapy (defibrillation); rules for performing external electric pulse therapy (defibrillation) in</p>

	<p>case of sudden cessation of blood circulation and / or respiration</p> <p>4.2 Able to: prescribe medicines, medical devices taking into account the diagnosis, age and clinical picture of the disease in accordance with the current procedures for providing medical care, clinical recommendations (treatment protocols) on the medical care delivery in emergency or urgent forms</p>
<p>PC-5 Able to collect complaints, anamnesis of the patient's life and illness, conduct a complete physical examination of the patient (examination, palpation, percussion, auscultation), formulate a preliminary diagnosis and draw up a plan for laboratory and instrumental examinations of the patient</p>	<p>5.1 Knows: the legislation of the Russian Federation in the field of health care, regulations and other documents that determine the activities of medical organizations and healthcare workers; method of collecting complaints, anamnesis of life and disease of the patient; a technique for a complete physical examination of the patient (examination, palpation, percussion, auscultation); etiology, pathogenesis and pathomorphology, clinical aspect, differential diagnosis, clinical features, complications and outcomes of diseases of internal organs; patterns of functioning of a healthy human body and mechanisms for ensuring health from the standpoint of the theory of functional systems; features of the regulation of the functional systems of the human body in pathological processes; methods of laboratory and instrumental examinations for assessing the state of health, medical indications for conducting investigations, rules for interpreting their results</p> <p>5.2 Able to: collect complaints, anamnesis of life and disease of the patient and analyze the information received; conduct a complete physical examination of the patient (examination, palpation, percussion, auscultation) and interpret its results; determine the sequence of volume, content and sequence of diagnostic measures incl. modern digital technologies</p>
<p>PC-6 Able to send a patient to laboratory, instrumentalexamination, to a consultation with specialist doctors if there are medical indications in accordance with the current procedures for the provision of medical care, clinical recommendations (treatment protocols) on providing medical care taking into account the standards of medical care, and also refer the patient for providing specialized medical care in an inpatient setting or in a day hospital if there are medical indications in accordance with the current procedures for the medical care delivery, clinical recommendations (treatment protocols) on the medical care delivery taking into account the standards of medical care</p>	<p>6.1 Knows: general issues of organizing medical care for the population, methods of laboratory and instrumental examinations to assess the state of health, medical indications for conducting examinations, rules for interpreting their results; procedures for the provision of medical care, clinical recommendations (treatment protocols) on the provision of medical care, standards of medical care</p> <p>6.2 Able to: justify the need and scope of laboratory examination of the patient; justify the need and scope of instrumental examination of the patient; justify the need to refer the patient for consultations with specialist doctors; determine medical indications for the provision of emergency, including emergency specialized, medical care</p>
<p>PC-7 Able to: make a differential diagnosis with other diseases/conditions including emergencies, establish a diagnosis taking into account the current</p>	<p>IPC 7.1 Knows: etiology, pathogenesis and pathomorphology, clinical aspect, differential diagnosis, clinical features, complications and outcomes of diseases of internal organs; methods of laboratory and instrumental examinations for assessing the state of health, medical indications for</p>

<p>international statistical classification of diseases and related health problems (ICD)</p>	<p>conducting examinations, rules for interpreting their results; ICD 7.2 Able to: analyze the results of the patient's examination, if necessary, justify and plan the scope of additional examinations; interpret the results of collecting information about the patient's disease; interpret the data obtained during the laboratory examination of the patient; interpret the data obtained during the instrumental examination of the patient; interpret the data obtained during consultations of the patient by medical specialists; to carry out differential diagnostics of diseases of internal organs from other diseases</p>
<p>PC-8 Able to: develop a treatment plan for a disease or condition and prescribe medicine, medical devices, therapeutic nutrition and non-drug treatment taking into account the diagnosis, age and clinical picture in accordance with current procedures for the medical care delivery, clinical recommendations (treatment protocols) on the provision of medical care taking into account the standards of medical care and to evaluate the effectiveness and safety of the use of medicines, medical devices, therapeutic nutrition and other methods of treatment</p>	<p>8.1 Knows: modern methods of using medicines, medical devices and therapeutic nutrition in diseases and conditions of the patient in accordance with the current procedures for medical care, clinical recommendations (treatment protocols) on the provision of medical care taking into account the standards of medical care; the mechanism of action of medicines, medical devices and therapeutic nutrition, medical indications and contraindications to their use; complications caused by their use; modern methods of non-drug treatment of diseases and conditions of the patient in accordance with current medical care procedures, clinical recommendations (treatment protocols) on the provision of medical care taking into account the standards of medical care; action mechanism of non-drug treatment; medical indications and contraindications to its prescription; side effects, complications caused by its use 8.2 Able to: draw up a treatment plan for the disease and the patient's condition taking into account the diagnosis, the patient's age, the clinical picture of the disease in accordance with the current procedures for providing medical care, clinical recommendations (treatment protocols) on the provision of medical care, taking into account the standards of medical care; prescribe medications, medical devices and therapeutic nutrition taking into account the diagnosis, age and clinical picture of the disease in accordance with the current medical care procedures, clinical recommendations (treatment protocols) on the provision of medical care taking into account the standards of medical care; prescribe non-drug treatment taking into account the diagnosis, age and clinical picture of the disease in accordance with the current medical care procedures, clinical recommendations (treatment protocols) on issues related to the provision of medical care taking into account the standards of medical care; evaluate the effectiveness and safety of the use of medicines, medical devices and therapeutic nutrition</p>

<p>PC-9 Able to provide palliative care in cooperation with specialist doctors and other medical professionals</p>	<p>9.1 Knows: the procedure for providing palliative care 9.2 Can: prescribe medicines, medical devices and therapeutic nutrition taking into account the diagnosis, age and clinical picture of the disease in accordance with the current procedures for providing medical care, clinical recommendations (treatment protocols) on the provision of medical care taking into account the standards of medical care; prescribe non-drug treatment taking into account the diagnosis, age and clinical picture of the disease in accordance with the current procedures for the provision of medical care, clinical recommendations (treatment protocols) on the provision of medical care taking into account the standards of medical care; evaluate the effectiveness and safety of the use of medicines, medical devices and medical nutrition</p>
<p>PC-10 Able to: organize personalized treatment of the patient including pregnant women, elderly and senile patients, evaluate the effectiveness and safety of treatment</p>	<p>10.1 Knows: modern methods of using medicines, medical devices and therapeutic nutrition in diseases and conditions of the patient in accordance with the current procedures for medical care, clinical recommendations (treatment protocols) on the provision of medical care taking into account the standards of medical care; the mechanism of action of medicines, medical devices and therapeutic nutrition, medical indications and contraindications to their use; complications caused by their use; modern methods of non-drug treatment of diseases and conditions of the patient in accordance with current medical care procedures, clinical recommendations (treatment protocols) on the provision of medical care taking into account the standards of medical care; mechanism of action of non-drug treatment; medical indications and contraindications to its prescription; side effects, complications caused by its use</p>
<p>PC-11 Able to carry out an examination of temporary disability and work as a part of a medical commission carrying out an examination of temporary disability</p>	<p>11.1 Knows: the procedure for the examination of temporary disability and signs of temporary disability of the patient; the rules for registration and issue of medical documents when referring patients for specialized medical care, sanatorium treatment, medical and social examination 11.2 Able to: identify signs of temporary disability and signs of persistent impairment of body functions caused by diseases, the consequences of injuries or defects</p>
<p>PC-12 Able to prepare the necessary medical documentation for the implementation of medical and social expertise in federal state institutions of medical and social expertise and refer a patient with a persistent impairment of body functions caused by diseases, the consequences of injuries or defects to medical and social expertise</p>	<p>12.1 Knows: the procedure for referring a patient to a medical and social examination; signs of persistent impairment of body functions caused by diseases, consequences of injuries or defects; rules for registration and issue of medical documents when referring patients for specialized medical care, sanatorium treatment, medical and social examination 12.2 Able to: identify signs of temporary disability and signs of persistent impairment of body functions caused by diseases, the consequences of injuries or defects</p>
<p>PC-13 Able to: refer a patient in need of medical rehabilitation to a specialist doctor for the treatment and conduct of medical rehabilitation measures including for the prescription and conduct of</p>	<p>13.1 Knows: measures for the medical rehabilitation of the patient, medical indications and contraindications to their implementation taking into account the diagnosis in accordance with the current procedures for the provision of medical care, clinical recommendations (treatment protocols) on the provision of medical care taking into account the standards of medical care; medical indications and</p>

<p>sanatorium treatment, and carry out medical rehabilitation measures for the patient including when implementing an individual rehabilitation program or habilitation of disabled people in accordance with the current procedures of providing medical care, clinical recommendations (treatment protocols) on the provision of medical care taking into account the standards of medical care</p>	<p>contraindications for sanatorium treatment as a stage of medical rehabilitation of the patient; features of medical rehabilitation of elderly and senile patients</p> <p>13.2 Able to: determine medical indications for carrying out medical rehabilitation measures including when implementing an individual rehabilitation program or habilitation of disabled people, in accordance with the current procedures for providing medical care, clinical recommendations (treatment protocols) on the provision of medical care taking into account the standards of medical care; identify specialist doctors for carrying out rehabilitation measures to the patient in need of medical rehabilitation taking into account the diagnosis and in accordance with the current procedures for providing medical care, clinical recommendations (treatment protocols) on the provision of medical care taking into account the standards of medical care; carry out measures of medical rehabilitation of the patient in accordance with the current procedures for providing medical care, clinical recommendations (treatment protocols) on the provision of medical care, taking into account the standards of medical care; prescribe sanatorium treatment to a patient in need of medical rehabilitation including when implementing an individual rehabilitation program or habilitation of disabled people in accordance with current clinical recommendations (treatment protocols) on the provision of medical care, procedures for the provision of medical care and taking into account the standards of medical care</p>
<p>PC-14 Able to assess the effectiveness and safety of medical rehabilitation measures of the patient in accordance with the current procedures for providing medical care, clinical recommendations (treatment protocols) on the providing medical care taking into account the standards of medical care</p>	<p>14.1 Knows: measures for the medical rehabilitation of the patient, medical indications and contraindications for their implementation taking into account the diagnosis in accordance with the current procedures for the provision of medical care, clinical recommendations (treatment protocols) on the provision of medical care, taking into account the standards of medical care; medical indications and contraindications for sanatorium-spa treatment as a stage of medical rehabilitation of the patient; features of medical rehabilitation of elderly and senile patients</p> <p>14.2 Able to: monitor the implementation and evaluate the effectiveness and safety of rehabilitation measures, including when implementing an individual rehabilitation program or habilitation of disabled people taking into account the diagnosis in accordance with the current procedures for medical care, clinical recommendations (treatment protocols) on the medical care delivery taking into account the standards of medical care</p>
<p>PC-15 Able to: organize and conduct medical examinations taking into account age, health status, profession in accordance with applicable regulatory legal acts and other documents</p>	<p>15.1 Knows: regulatory legal acts and other documents regulating the procedures for conducting medical examinations, medical check-up and medical supervision; a list of specialist doctors involved in conducting medical examinations, medical check-up</p> <p>15.2 Can: conduct medical examinations taking into account age, health condition, profession in accordance with applicable regulatory legal acts and other documents</p>
<p>PC-16 Able to: organize and monitor the immuno-prophylaxis of infectious diseases in the adult population,</p>	<p>16.1 Knows: principles of application of specific and non-specific prevention of infectious diseases, the national calendar of preventive vaccinations and the calendar of preventive vaccinations for epidemic indications; legislation of the</p>

<p>prescribe preventive measures to patients taking into account risk factors in accordance with the current procedures for providing medical care, clinical recommendations (treatment protocols) on the provision of medical care taking into account the standards of medical care and monitor compliance with preventive measures</p>	<p>Russian Federation in the field of health protection, sanitary rules and regulations; preventive measures taking into account the diagnosis in accordance with the current procedures for medical care, clinical recommendations (treatment protocols) about medical care delivery taking into account the standards of medical care</p> <p>16.2 Able to: organize and carry out immunoprophylaxis of infectious diseases in the adult population in accordance with the current procedures for the provision of medical care, clinical recommendations (treatment protocols) on the provision of medical care taking into account standards of medical care; prescribe preventive measures to patients taking into account risk factors for the prevention and early detection of diseases, including socially significant diseases</p>
<p>PC-18 Able to determine medical indications for the introduction of restrictive measures (quarantine) and indications for referral to a specialist doctor in the event of infectious (parasitic) diseases, issue and send an emergency notification to the territorial body of the Federal Service for Supervision of Consumer Rights Protection and Human Well-being when an infectious or occupational disease is detected, carry out anti-epidemic measures in the event of a focus of infection, including quarantine measures for the identification of highly dangerous (quarantine) infectious diseases</p>	<p>18.1 Knows: The legislation of the Russian Federation in the field of health protection, sanitary rules and regulations; rules for conducting sanitary and anti-epidemic measures</p> <p>18.2 Able to: determine medical indications for the introduction of restrictive measures (quarantine) and indications for referral to a specialist doctor; carry out sanitary and anti-epidemic measures in the event of a focus of infection</p>
<p>PC-19 Able to: form healthy lifestyle programs, including programs to reduce alcohol and tobacco consumption, prevent and combat non-medical use of narcotic drugs and psychotropic substances, and evaluate the effectiveness of preventive work with patients</p>	<p>19.1 Knows: forms and methods of sanitary and educational work on the formation of elements of the healthy lifestyle, including programs to reduce alcohol and tobacco consumption, prevention and control of non-medical use of narcotic drugs and psychotropic substances</p> <p>19.2 Able to: develop and implement programs for the formation of the healthy lifestyle, including programs to reduce alcohol and tobacco consumption, prevention and control of non-medical use of narcotic drugs and psychotropic substances</p>
<p>PC-20 Able to draw up a work plan and a report on its work, issue a passport of a medical (therapeutic) locality</p>	<p>20.1 Knows: the legislation of the Russian Federation in the field of health protection, regulatory legal acts and other documents defining the activities of medical organizations and medical workers; medical and statistical indicators of morbidity, disability and mortality characterizing the health of the population, the procedure for their calculation and evaluation</p> <p>20.2 Can: draw up a work plan and a report on their work, to issue a passport of a medical (therapeutic) site; to analyze medical and statistical indicators of morbidity, disability and mortality to assess the health of the assigned population</p>
<p>PC-21 Able to: analyze morbidity, disability and mortality indicators to</p>	<p>21.1 Knows: medical and statistical indicators of morbidity, disability and mortality characterizing health of the assigned population, the order of their calculation and evaluation</p>

characterize the health of the assigned population of medical care and aimed at creating conditions for protecting the health of citizens	21.2 Able to: analyze official statistical reporting data, including forms of federal and sectoral statistical observation; analyze medical and statistical indicators of morbidity, disability and mortality to assess the health of the assigned population
PC-22 Able to: maintain medical records, also in the electronic form in the MIS	22.1 Knows: the legislation of the Russian Federation in the field of health protection, regulatory legal acts and other documents defining the activities of medical organizations and medical workers; rules for working in information systems and information and telecommunications network "the Internet"; rules for registration of medical documentation in medical organizations providing outpatient medical care including medical worker's home visits 22.2 Able to: fill out medical documentation including in the electronic form in MIS; work with personal data of patients and information constituting a medical secret; use information systems and information and telecommunication network, the Internet, in professional activities
PC-23 Able to provide internal quality control and safety of medical activities within the scope of official duties and control of the performance of official duties by a district nurse and other medical workers	23.1 Knows: control over the performance of official duties by a district nurse and other medical workers at their disposal; organization of medical care in medical organizations providing outpatient medical care including medical worker's home visits 23.2 Able to: monitor the performance of official duties by a district nurse and other medical workers at their disposal

4. Sections of the academic discipline and competencies that are formed when mastering them

№	Competence code	Section name of the discipline	The content of the section in teaching units
1.	UC-1 UC-6 GPC - 1GPC - 11 PC- 22	General issues of public health and health care	Public health and health care as a science and a subject of teaching. Methods of studying public health. Concepts of health and quality of life, methods of their study. Fundamentals of international legislation and the main legal documents in the field of healthcare. Modern problems of bioethics and medical deontology. Classification of medical institutions. The system of postgraduate medical education.

2.	UC-1 UC-6 GPC -1 GPC -11 PC-21 PC-22	Fundamentals of population statistics, medical and demographic indicators, morbidity and disability of the population	<p>Population statistics. Methods of studying, calculating and evaluating medical and demographic indicators.</p> <p>The epidemiological concept of the development of diseases and injuries. Spectrum of diseases, main groups of socially significant diseases.</p> <p>Population morbidity: WHO terminology, methods for studying, controlling and accounting for diseases. General and special indicators of morbidity. International Classification of Diseases and Related Health Problems (ICD-X). Occupational diseases and injuries. Morbidity with temporary and permanent disability: definitions and calculation of the main indicators. Modern international classifications of injuries, disability and incapacity for work. Indicators of population statistics, morbidity and disability of the population in foreign countries.</p>
3.	UC-1 GPC -1 PC-4 PC-21	Medical statistics, organization of social and hygienic research	<p>Medical statistics: goals, objectives, application. Basic methods of analytical, descriptive and population statistics. Relative and average values, methods for their calculation, graphical and tabular presentation, determination of the significance of differences. Methods for standardization of intensive indicators. Organization and stages of medical and statistical research.</p>
4.	UC-1 UC-6 PC -1 PC -2 PC -4 PC -16 PC -17 PC -18	Organization of medical care for the population, including medical care for socially significant diseases	<p>Organization of planned and emergency medical care for the urban and rural population.</p> <p>Outpatient care for the population: types of medical institutions, organization of the work of the polyclinic for adults and children, indicators for evaluating the activities of the polyclinic, the quality and effectiveness of outpatient care. Family medicine: organization of work and evaluation of the activities of a general practitioner.</p> <p>Hospital medical care for adults and children: types of institutions according to the intensity of inpatient care (WHO), organization of work and indicators for evaluating the activities, quality and effectiveness of inpatient care.</p> <p>Maternal and child health care system: outpatient and inpatient obstetric and gynecological care, organization of work and evaluation of the activities of the antenatal clinic and the maternity hospital. Organization of work of family planning institutions. Theoretical foundations and practical aspects of activities in the field of medical prevention.</p> <p>Types and levels of medical prevention. Types of preventive medical examinations and methods for assessing their effectiveness. Methods of sanitary and hygienic education of the population, preventive counseling, organization of health schools.</p> <p>Organization of medical care, including prevention for socially significant diseases (cardiovascular diseases, malignant neoplasms, injuries, tuberculosis, mental disorders, alcoholism, drug addiction, sexually transmitted infections).</p>

5.	GPC - 1PC -4 PC -17 PC -18	Fundamentals of Health Management	Fundamentals of health insurance, subjects and object of health insurance. Types of health insurance in Russia and abroad: voluntary, compulsory, private, professional. The program of state guarantees for providing citizens of the Russian Federation with free medical care. Healthcare planning: types, prospective and current planning of medical activities in medical organizations. Modern approaches to assessing the quality of medical care, the concept of medical and economic standards of medical care.
6.	GPC -1 PC -17 PC -18	Health economic	Modern problems of economics and healthcare financing. Fixed and current assets of medical organizations. The activity of medical organizations in the conditions of market relations. Cost indicators in medical organizations, methods of their calculation and analysis. Pricing system for medical services. Types and levels of efficiency assessment in healthcare, methodology for calculating the economic effect and efficiency of medical care.
7.	GPC -1 GPC -6 PC -1 PC -2 PC -4 PC -16 PC -17 PC -18	Organization of healthcare in foreign countries	Organization of the healthcare system in foreign countries. International cooperation in the field of medicine. Structure and activities of the World Health Organization (WHO). The system of postgraduate medical education abroad. Organization of planned and emergency, outpatient and inpatient medical care for urban and rural population, women and children in foreign countries. Peculiarities of medical insurance, system of planning and evaluation of the quality of medical care in foreign countries. Types of health care systems in different countries depending on the source of funding. Pricing system for medical services in foreign countries.

5. Volume of the academic discipline and types of academic work

Type of educational work	Labor intensity		Labor intensity (AH) in semesters	
	volume in credit units (CU)	volume in academic hours (AH)	6	7
Classroom work, including	2,6	94	32	62
Lectures (L)	0,6	20	8	12
Laboratory practicum (LP)*				
Practicals (P)	2,0	74	24	50
Seminars (S)				
Student's individual work (SIW)	1,4	50	22	28
Mid-term assessment	1	36		36
credit/exam (<i>specify the type</i>)		exam		exam
TOTAL LABOR INTENSITY	5	180	54	126

6. Content of the academic discipline

6.1. Sections of the discipline and types of academic work

№	Name of the section of the academic discipline	Types of academic work* (in AH)					
		L	LP	P	S	SIW	total
1	General issues of public health and health care	4	npf.		npf.	11	15
2	Fundamentals of population statistics, medical and demographic indicators, morbidity and disability of the population	4		10			14
3	Medical statistics, organization of social and hygienic research			14		11	25
4	Organization of medical care for the population, including medical care for socially significant diseases	8		35		10	53
5	Fundamentals of health management			5		6	11
6	Health economic	2		5		6	13
7	Organization of healthcare in foreign countries	2		5		6	13
	TOTAL	20	npf.	74	npf.	50	144

* L – lectures; LP – laboratory practicum; P – practicals; S – seminars; SIW – student's individual work.

6.2. Thematic schedule of educational work types:

6.2.1 Thematic schedule of lectures

№	Name of lecture topics	Volume in AH	
		semester 6	semester 7
	TOTAL (total - 20)	8	12
1.	Public health and health care as a science and academic discipline. The concept of health, risk factors and quality of life. Modern problems of bioethics and medical deontology. Fundamentals of International Legislation and Cooperation in the Field of Health, World Health Organization (WHO). The system of postgraduate medical education.	2	
2.	The epidemiological concept of the development of diseases and injuries. Spectrum of diseases, main groups of socially significant diseases. International Classification of Diseases and Related Health Problems - ICD-X and prospects for the implementation of ICD-XI.	2	
3.	Theoretical foundations and practical aspects of activities in the field of medical prevention. Types and levels of medical prevention. Methods of sanitary and hygienic education and preventive counseling of the population.	2	
4.	Socially significant diseases, organization of medical care, prevention and control: injuries, cardiovascular diseases, malignant neoplasms, tuberculosis, HIV infection, sexually transmitted infections, mental illness, and alcoholism and drug addiction.	2	
5.	Organization of outpatient and inpatient care for the adult population in cities. Hospital medical care: types of institutions and levels of care (WHO), the main areas of work of units, and a system for evaluating the performance of the hospital. Features of the organization of medical care to the population in rural areas.		2

6.	Organization of emergency, including emergency specialized medical care for the population in Russia and foreign countries. Composition and areas of work of the ambulance team: doctors, medical specialists, physician assistants, nurses and paramedics. Emergency Hospital.		2
7.	Maternal and child health care system in Russia and abroad. International legislation in the field of women's and children's health. Types of medical institutions and the organization of outpatient and inpatient care for children, obstetric and gynecological care. Family planning system.		2
8.	Fundamentals of health insurance, subjects and object of health insurance. Types of health insurance in Russia and abroad: voluntary, compulsory, private, professional. The program of state guarantees for providing citizens of the Russian Federation with free medical care.		2
9.	Modern problems of healthcare financing. Types of health care systems in different countries depending on the source of funding. State, insurance, private mixed financing systems, advantages and disadvantages.		2
10.	Economics of healthcare, basic concepts and terminology. The activity of medical organizations in the conditions of market relations. Pricing system for medical services in Russia and foreign countries. Financial activities of medical organizations.		2

6.2.2. The thematic plan of laboratory practicums (if this type of classes is stipulated in the curriculum) - not provided

6.2.3. Thematic plan of practicals

№	Name of the topics of practicals	Volume in AH	
		semester 6	semester 7
1.	Medical statistics (biostatistics). Analytical statistics. Analytical, descriptive and population statistics: definition, tasks, application Statistical data: types and characteristics, population and sample studies, methods of sampling data, types of probability distribution of data, sampling error (types 1 and 2), examples. Quantitative measurements of statistical data (relative values): types, definition, mathematical expression, calculation technique, application. Statistical tables: types and requirements for their design. Graphical representation of statistical data: types of diagrams, construction methods, application. Solution of situational tasks.	5	
2.	Types of rates, methods of standardization. Organization and stages of medical and statistical research. Standardization methods: direct and indirect (indirect). Solution of situational tasks. Observational and experimental medical-statistical study. Stages of medical and statistical research. Determining the purpose and objectives of the study, drawing up a program plan and design of the study. Methods for collecting, processing and analyzing statistical material. Tabular summary of statistical material. Principles for evaluating statistical data and research results. Examples of the organization of medical and statistical research.	5	

3.	<p>Descriptive statistics. Measures of central tendency and measures of dispersion (variability), definitions, characteristics: Measure of central tendency (arithmetic mean, median, mode), mathematical expression, method of calculation and evaluation, examples. Types of variation series, their main characteristics. Measures of dispersion (variability) of variation series (range, mean absolute deviation, variance, standard deviation, coefficient of variation), mathematical expression, method of calculation and evaluation, examples. Standard error of arithmetic mean and relative values: method of calculation and evaluation. Reliability of the difference between arithmetic mean and relative values: T-test, calculation method, evaluation. Solution of situational tasks.</p>	5	
4.	<p>Population statistics (vital statistics): goals, objectives, sections, basic standard forms of registration of acts of civil status (birth and death certificates). Rough, standardized and age- and sex-adjusted birth and death rates, life expectancy (DALY index) and other medical and demographic indicators: definition, mathematical expression, calculation methods, country levels and criteria for their assessment. Factors affecting the level and trends of the main demographic coefficients. Solution of situational tasks.</p>	5	
5.	<p>Morbidity of the population: definition, goals and methods of study, sources of information about diseases. WHO terminology: Incidence, Prevalence and Point prevalence of diseases (according to medical examinations), calculation method, assessment criteria, levels by country. Special types of study of morbidity: according to hospitalization data, the incidence of infectious, non-infectious and other socially significant non-epidemic diseases, the purpose of the study and sources of information, the methodology for calculating indicators, levels in Russia. Solution of situational tasks.</p>	4	
6.	<p>Morbidity with temporary and permanent disability. The goals and objectives of the examination of temporary disability in Russia and abroad, the procedure for referring patients, the functions of the attending physician and the medical commission, the types and rules for issuing documents certifying temporary disability. Incidence of occupational diseases, goals and objectives of periodic medical examinations. Goals and objectives of medical and social expertise of persistent disability in Russia and abroad. Permanent disability: definition, criteria, causes, groups. Methodology for calculating and analyzing indicators of morbidity with temporary and permanent disability, levels by country and criteria for their assessment. Solution of situational tasks.</p>		5
7.	<p>Organization of outpatient medical care to the population. Types of medical institutions providing outpatient medical care in urban and rural areas, exit forms of work. Polyclinic, tasks of outpatient medical care, organizational and functional structure, areas of activity, basic medical documentation. Family medicine: organization of the work of the office of a general practitioner, the main directions of medical care. Organization of work and functions of a physician-therapist of a polyclinic, a general practitioner, indicators of assessing the quality and effectiveness of work. Preventive work of a doctor, organization of dispensary observation of certain groups of patients, evaluation of effectiveness. The system for evaluating the performance indicators of the polyclinic, the methodology for their calculation. Solution of situational tasks.</p>		5

8.	<p>Levels and strategies for disease prevention. The concept of a population strategy, a high-risk strategy and a strategy for secondary prevention of chronic non-communicable diseases.</p> <p>Preventive work of medical institutions. Types of preventive medical examinations, the concept of cancer screening, methods for calculating the relative and absolute cardiovascular risk, diagnostic criteria for risk factors for the development of non-communicable diseases. Types and methods of hygienic education of the population, the activities of a doctor in the formation of a healthy lifestyle of the population. Methods of preventive counseling of patients with chronic non-communicable diseases and risk factors for their development, organization of health schools. System for evaluating the effectiveness of preventive medical examinations.</p> <p>Solution of situational tasks.</p>		5
9.	<p>Organization of hospital care for adults. Goals and objectives of hospital medical care. Types of hospitals and levels of hospital care according to the criteria of its intensity and capacity (WHO). Types of medical institutions providing hospital care in urban and rural areas. Organizational and functional structure of a typical city, district, regional hospital, the main areas of work of departments, the organization of the work of the admissions department, day hospital, documentation. Features of the work of dispensaries, geriatric institutions of stationary type.</p> <p>The system for evaluating the activities of the hospital: resource provision, use of the bed fund, volume indicators, criteria for the quality and effectiveness of hospital care.</p> <p>Solution of situational tasks.</p>		5
10.	<p>Organization of obstetric and gynecological care. Types of medical institutions providing outpatient and inpatient medical care to the female population. Three-level system of medical care for obstetrics in Russia.</p> <p>Women's clinic: areas of work, organizational and functional structure, functions of an obstetrician-gynecologist, basic medical documentation.</p> <p>Maternity hospital: areas of work, organizational and functional structure of departments, functions of an obstetrician-gynecologist. Methodology for calculating and evaluating the performance indicators of the women's clinic, maternity hospital, gynecological department of a general hospital.</p> <p>Organization of work of family planning institutions.</p> <p>Solution of situational tasks.</p>		5
11.	<p>Organization of medical care for children. Types of medical institutions providing outpatient and inpatient medical care to children and adolescents. Children's polyclinic: tasks, organizational and functional structure, states, features of the organization of work, basic medical documentation, functions of a pediatrician. Methodology for calculating and evaluating the performance indicators of a children's polyclinic.</p> <p>Children's hospital: tasks, organizational and functional structure, staff, features of the organization of work, medical documentation, performance indicators. Perinatal center: types, tasks, features of the organization of work, organizational and functional structure, functions of a neonatologist, performance indicators.</p> <p>Solution of situational tasks.</p>		5
12.	<p>Quality control and safety of medical institutions, basic concepts and terminology. Standardization in healthcare, the concept of medical and economic standards of medical care, clinical recommendations. The concept of access to medical care. System for assessing the quality of medical services: standards for resources, process and result. Organizations that control the quality and safety of medical care in Russia and abroad. Organization of internal control and a system for assessing the quality of medical activities in medical institutions. System of licensing and accreditation of medical activity in Russia.</p>		5

	Planning in health care. Planning of activities of medical organizations, types of plans and methods of planning - strategic, prospective, current. Analytical, regulatory, balance planning of medical resources and volumes of medical care, examples.		
13.	Financial activities of medical institutions. Production resources and economic relations in healthcare, sources of financing of medical activities: medical insurance funds, budgetary funds, income from paid medical services, other legal sources of financing. The concept of fixed and current funds of medical organizations. Features of pricing in health care, the need for state regulation of prices. The main cost indicators characterizing the economic activity of medical organizations. The concept of first cost, profit, price, profitability of medical services, their mathematical expression, calculation methodology, calculation examples. Solution of situational tasks.		5
14.	Economic efficiency in healthcare. Types of efficiency taken into account in the provision of medical services, indicators for assessing medical (clinical), social and economic efficiency. The concept of economic damage, from illness and injury, from temporary disability and disability of the population. Mathematical expression and method for calculating the economic effect and economic efficiency from a decrease in general morbidity, morbidity with temporary and permanent disability, lifesaving. Performance indicators of medical organizations, ways to improve the economic efficiency of medical care. Solution of situational tasks.		5
15.	Population statistics and healthcare organization in foreign countries. The main statistics of the population statistics of the countries from which the students came. Organization of registration and control of the level of morbidity, disability, mortality, and measures used to reduce them (state and international targeted programs). Features of the organization of outpatient, inpatient and emergency medical care to the population in the city and in rural areas. Legislation in the field of maternal and child health, organization of medical care for obstetrics, medical care for children. Presentation of student research projects. Finaltest.		5
	TOTAL (total - AH)	24	50

6.2.4. Thematic plan of seminars (if this type of classes is stipulated in the curriculum) - not provided

6.2.5. Types and topics of student's individual work (SIW)

№	Types and topics of SIW	Volume in AH	
		semester 6	semester 7
1.	General issues of public health and healthcare (work with lecture material, study of lecture notes and educational literature; answering control questions, search (selection) and review of literature and electronic sources of information on the topic)	6	
2.	Fundamentals of population statistics, medical and demographic indicators, morbidity and disability of the population (preparation for practicals - work with lecture material; performing home tests - solving situational tasks; search (selection) and review of literature and electronic sources of information on the topic)	8	
3.	Medical statistics, organization of social and hygienic research (preparation for practical classes - educational literature; performing home	8	

	tests - - answering control questions, solving situational tasks, developing the design of a medical statistical study on a chosen topic)		
4.	Organization of medical care to the population, including medical care for socially significant diseases (performing home tests - solving situational tasks; answering control questions, working with literary sources, including working out lecture notes on the section under study, searching and reviewing literature and electronic sources of information on the topic)		6
5.	Health Economics (performing home tests - study of lecture notes, solving situational tasks; answering control questions, search for literature and electronic sources of information on the topic)		6
6.	Organization of healthcare in foreign countries (search, selection of literature and electronic sources of information on the topic; preparation of a presentation and oral report on the topic, preparation for the final test)		16
	TOTAL (total - AH)	22	28

7. Types of assessment formats for ongoing monitoring and mid-term assessment

№	Se me ster No.	Types of control		Name of section of academic discipline	Compete nce codes	Assessment formats		
						types	number of test questions	number of test task options
1.	6	Current monito ring	Incoming control	General issues of public health and health care	UC-1 UC-6 GPC -1 GPC -11 PC-22	Tests	10	3
			Monitoring the student's individual work			Control questions	10	3
						Abstract	5	10
2.	6	Current monito ring	Control of mastering the topic	Fundamentals of population statistics, medical and demographic indicators, morbidity and disability of the population	UC-1 UC-6 GPC -1 GPC -11 PC-21 PC-22	Individual survey on the topic	-	-
			Monitoring the student's individual work			Abstract	5	10
						Situational tasks	5	3
3.	6	Current monito ring	Control of mastering the topic	Medical statistics, organization of social and hygienic research	UC-1 GPC -1 PC -4 PC-21	Individual survey on the topic	-	-
			Monitoring the student's individual work			Tests	10	3
						Situational tasks	5	3
4.	7	Current monito ring	Control of mastering the topic	Organization of medical care for the population, including medical care for socially significant diseases	UC-1 UC-6 PC -1 PC -2 PC -4 PC -16 PC -17 PC -18	Individual survey on the topic	-	-
			Monitoring the student's individual work			Control questions	10	3
						Situational tasks	10	3
5.	7	Current monito	Control of mastering the	Fundamentals of	GPC -1	Individual survey on	-	-

		ring	topic	health management	PC -4 PC -17 PC -18	the topic		
			Monitoring the student's individual work			Tests	10	3
6.	7	Current monitoring	Control of mastering the topic	Health economic	GPC -1 PC -17 PC -18	Individual survey on the topic	-	-
			Monitoring the student's individual work			Control questions	5	3
						Situational tasks	10	3
7.	7	Current monitoring	Monitoring the student's individual and group work	Organization of healthcare in foreign countries	GPC -1 GPC -6 PC -1 PC -2 PC -4 PC -16 PC -17 PC -18	Individual or group research project	Unlimited	Unlimited
			Frontier control			Final test	100	Unlimited
8.		Mid-term assessment	Exam	All sections of the discipline	-	Control questions	3	50
						Situational tasks	1	50

8. Educational, methodological and informational support for mastering the academic discipline (printed, electronic publications, the Internet and other network resources)

8.1. Key literature references

№	Name according to bibliographic requirements	Number of copies	
		at the department	in the library
1.	Preventive medicine and public health / (The National medical series for independent study). Edited by Brett J. Cassens. 2nd ed. - 533 pp.	1	35
2.	The New Public Health. Edited by Fran Baum. 2nd ed. Oxford University press. Australia. ISBN 0 19 551552 8. 607 pp.	-	1

8.2. Further reading

№	Name according to bibliographic requirements	Number of copies	
		at the department	in the library
1.	A self – study teaching course in Public health and Health Service for foreign students. Edited by M.A.Pozdniakova, L.N.Kopteva, N.I. Gurvich./ N.Novgorod State Medical Academy, 2008. 49 p.	10	50
2.	Medical Epidemiology: Population Health and Effective Health Care /edited by Raymond S. Greenberg, W. Dana Flanders, John Eley, John Boring, Stephen R. Daniels.5th ed., 288 pages Published May 15th 2015 by McGraw-Hill Education	-	1

8.3. Electronic educational resources for teaching academic subjects

8.3.1. Internal Electronic Library System of the University (IELSU)

<i>№</i>	<i>Name of the electronic resource</i>	<i>Brief description (content)</i>	<i>Access conditions</i>	<i>Number of users</i>
1.	Internal Electronic Library System (VEBS) PIMU	Proceedings of PIMU staff (textbooks, manuals, collections of tasks, methodological manuals, laboratory work, monographs, etc.)	Access by individual login and password from any computer and mobile device	Not limited
2.	Sociology of Medicine: textbook / A.V. Reshetnikov - M: GEOTAR-Media, 2020. - 368 p. - ISBN 978-5-9704-5447-3.	PART I. Subject matter in sociology of medicine PART II. Sociology of medicine as a part of scientific knowledge system PART III. Comparative institutional analysis of the concepts of health and disease in models and theories of individual and society PART IV. Sociology of health and disease	EBS "Student Consultant": [website]. - URL : http://www.studentlibrary.ru/book/ISBN9785970454473.html	by subscription

8.3.2. Electronic educational resources acquired by the University

<i>№</i>	<i>Name of the electronic resource</i>	<i>Brief description (content)</i>	<i>Access conditions</i>	<i>Number of users</i>
1.	Federal Electronic Medical Library (FEMB)	Includes electronic analogues of printed publications and original electronic publications that have no analogues recorded on other media (dissertations, abstracts, books, magazines, etc.). [Electronic resource] - Access mode: http://neb.rf/	from any computer on the Internet	Not limited
2.	Scientific electronic library eLIBRARY.RU	The largest Russian information portal in the field of science, technology, medicine and education, containing abstracts and full texts of scientific articles and publications. [Electronic resource] - Access mode: https://elibrary.ru/	from any computer on the Internet	Not limited
3.	Scientific electronic library of open access CyberLeninka	Full texts of scientific articles with annotations published in scientific journals in Russia and neighboring countries. [Electronic resource] - Access mode: https://cyberleninka.ru/	from any computer on the Internet	Not limited
4.	Russian State Library (RSL)	Abstracts for which there are copyright agreements with permission for their open publication [Electronic resource] - Access mode: http://www.rsl.ru/	from any computer on the Internet	Not limited
5.	Reference and legal system "Consultant Plus"	Federal and regional legislation, judicial practice, financial advice, legislative comments, etc. [Electronic resource] - Access mode: http://www.consultant.ru/	from any computer on the Internet	Not limited
6.	Official website of the Ministry of Health of the Russian Federation	National Clinical Guidelines [Electronic resource] - Access mode: cr.rosminzdrav.ru - Clinical	from any computer on the Internet	Not limited

		recommendations		
7.	Official website of the Russian Respiratory Society	Modern materials and clinical guidelines for the diagnosis and treatment of respiratory diseases [Electronic resource] - Access mode: : www.spulmo.ru - Russian Respiratory Society	from any computer on the Internet	Not limited
8.	Official website of the Russian Scientific Society of Therapists	Modern materials and clinical guidelines for the diagnosis and treatment of diseases of internal organs [Electronic resource] - Access mode: www.rnmot.ru - Russian Scientific Society of Therapists	from any computer on the Internet	Not limited

8.3.3 Open access resources

№	Name of the electronic resource	Brief description (content)	Access conditions
1.	Official Guide for Foreign-educated Allied Health Professionals: What You Need to Know About Health Care and the Allied Health Professions in the United States / Nichols, Barbara L., Davis, Catherine R. / Springer. 2010. eBook. 432p. ISBN:9780826110633. 9780826110640.	1 Foreign-Educated Health Care Professionals in the United States Health Care System 2 Preparing to Leave Your Home Country 3 Entry Into the United States 4 Employment in the United States 5 The U.S. Health Care System 6 Health Care Professional Practice in the United States 7 Communicating in the U.S. Health Care System 8 Adjusting to a New Community 9 Furthering Your Education	AN 307454 Database: eBook Collection (EBSCOhost)
2.	Measurement in Nursing and Health Research / Waltz, Carolyn Feher Strickland, Ora Lenz, Elizabeth R. / Springer Pub. 2010. eBook. 4th ed. 505p. ISBN: 9780826105073. 9780826105080.	Part I: Basic Principles of Measurement Part II: Understanding Measurement Design Part III: Measurement via the Digital World Part IV: Instrumentation and Data Collection Methods Part V: Measurement Issues	AN 317903 Database: eBook Collection (EBSCOhost)
3.	The handbook of health behavior change / Sally A. Shumaker, Judith K. Ockene, Kristin A. Riekert, editors.–3rd ed. Springer Pub. Co. 2009. eBook. 860p. ISBN 978-0-8261-1545-4	Section I: Health Behavior Change and Maintenance: Theory and Techniques Section II: Interventions for Lifestyle Change Section III: Measurement Section IV: Obstacles and Predictors of Lifestyle Change and Adherence Section V: Lifestyle Change and Adherence Issues Within Specific Populations Section VI: Lifestyle Change and Adherence Issues Among Patients With Chronic Diseases	AN 263056 Database: eBook Collection (EBSCOhost)

		Section VII: Lifestyle Change and Adherence: The Broader Context	
4.	Public Health and Health Service: guide to practical skills: teaching aid for students of institutions of higher medical education / V. S. Glushanko, L. I. Orekhova, E. V. Mikhnevich; Ministry of Health of the Republic of Belarus, "Vitebsk State Medical University". - Vitebsk: VSMU, 2020. - 130 p. ISBN: 978-985-466-978-6	The manual includes a description of the practical skills necessary for studying the discipline with examples and algorithms for their solution, as well as options for practical individual tasks for students. It is intended for students of the Faculty of Training of Foreign Citizens with the English language of instruction, for students of the Faculty of Dentistry with the English language of instruction, interns, clinical residents, doctors, general practitioners, undergraduates, graduate students and applicants for academic degrees of higher medical education institutions studying public health and healthcare in English.	URI: http://elib.vsmu.by/handle/123/2266
5.	Oxford Textbook of Public Health. 5th Ed. Edited by Roger Detels, Robert Beaglehole, Mary Ann Lansang, Martin Gulliford / Oxford University Press; Inc., New York, New York. 2011, 1922 pp.. ISBN-13: 9780199218707,	The Oxford Textbook of Public Health divides the complex, dynamic subject of public health into three topics: the scope of public health, including development, policies, laws, and ethics; the methods of public health, including the epidemiology; and the practice of public health, including the problems and options for disease prevention and control. The textbook also looks at the future of public health in the 21st Century, and remains the most comprehensive, accessible reference for both students and practitioners in public health and epidemiology.	Database: via PubMed, ISI, and CrossRef Web site: http://www.oup.com/us
6.	EBS "STUDENT CONSULTANT"	Multidisciplinary database of educational and scientific literature, representative collections of the following publishers: GEOTAR-Media (3500 publications in Clinical Medicine, Fundamental Medicine),	by subscription to the National Research Nizhny Novgorod State University. N.I. Lobachevsky (NNSU)" access code at nmo@lib.unn.ru http://www.studentlibrary.ru http://www.studmedlib.ru mobile version: http://m.studentlibrary.ru
7.	EBS "PHYSICIAN CONSULTANT"	Complements the collections on medicine "GEOTAR-Media", included in the ELS "Student's Consultant" (about 2000 publications in various medical specialties).	by subscription to the National Research Nizhny Novgorod State University. N.I. Lobachevsky (NNSU)" access code at nmo@lib.unn.ru http://www.studentlibrary.ru http://www.studmedlib.ru mobile version: http://m.studentlibrary.ru

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9. Material and technical support for mastering an academic discipline

9.1. List of premises for classroom activities for the discipline

1. Premise for classroom №102 of 22 sq. m
2. Premise for classroom №103 of 20 sq. m
3. Premise for classroom №104 of 50 sq. m
4. Premise for classroom №105 of 50 sq. m

9.2. List of equipment for classroom activities for the discipline

1. Multimedia complex:
 - 1.1. Personal computers
 - 1.2. Multimedia projectors
 - 1.3. Projection screen
2. Photocopier
3. Canon Multifunctional Laser Base MF3228
4. Sets of slides, tables / multimedia visual materials on various sections of the discipline.

9.3. A set of licensed and freely distributed software, including domestic production

Item no.	Software	number of licenses	Type of software	Manufacturer	Number in the unified register of Russian software	Contract No. and date
1	Wtware	100	Thin Client Operating System	Kovalev Andrey Alexandrovich	1960	2471/05-18 from 28.05.2018
2	MyOffice is Standard. A corporate user license for educational organizations, with no expiration date, with the right to receive updates for 1 year.	220	Office Application	LLC "NEW CLOUD TECHNOLOGIES"	283	without limitation, with the right to receive updates for 1 year.
3	LibreOffice		Office Application	The Document Foundation	Freely distributed software	
4	Windows 10 Education	700	Operating systems	Microsoft	Azure Dev Tools for Teaching Subscription	
5	Yandex. Browser		Browser	«Yandex»	3722	
6	Subscription to MS Office Pro for 170 PCs for FGBOU VO	170	Office Application	Microsoft		23618/HN10030 LLC "Softline Trade" from

	"PIMU" of the Ministry of Health of Russia					04.12.2020
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