

**Abstract of the working program of the discipline
«Public Health and Public Healthcare, Health Economics»
on specialty 31.05.01 Medical practice (specialty level)
(educational program partially implemented in English)**

The main professional educational program of higher education is a specialty program in the specialty 31.05.01 Medical care, approved on 30.03.2022.

Form of study: full-time

Term of development of the main professional educational program of higher education: 6 years

Department: Public Health, Health and Socio-economic Sciences

- 1. The purpose of studying the discipline** "Public Health and Healthcare, Health Economics" is to formation the readiness and ability of students trained in specialty 31.05.01 "Medicine" to work in modern medical organizations of various profiles and mastering them general cultural, general professional and professional competences aimed at acquiring knowledge , skills in assessing the impact of social conditions and environmental factors to the health of the population, mastering the basics of prevention and organization management activities aimed at preserving and strengthening the health of each person, family and society as a whole, maintaining an active long life.
- 2. The place of discipline in the structure of MPEP HE:** "Public health and public Healthcare, health economics" refers to the basic part of Block 1 "Disciplines (modules)" of the Federal state educational standard of higher education in the specialty 31.05.01 "Medicine" (level of specialty).
- 3. Requirements for the results of mastering the discipline:**
The process of studying the discipline is aimed at the formation and development of competences:
 - universal competence (UC): UC – 1, UC – 3, UC – 10;
 - general professional (GPC): GPC – 2, GPC – 9, GPC – 11;
 - indicators of achievement of competencies (AI): AI–1 UC–1, AI–2 UC–1, AI–3 UC–1, AI–1 UC–3, AI–2 UC–3, AI–1 GPC –2, AI–2 GPC –2, AI–3 GPC –3, AI–1 GPC –11.

As a result of studying the discipline, students should:

KNOW:

- Fundamentals of health legislation of the Russian Federation, the main directory documents that determine the activities of health authorities and institutions;
- Legal and ethical aspects of medical activities;
- Basic principles of the organization of the health care system in the Russian Federation;
- Basic principles of organization and management in the sphere of health citizens protection, in medical organizations (hereinafter - MO) and their structural subdivisions;
- The structure of the modern health care system in the Russian Federation, the activities of government departments and medical organizations of the healthcare system;
- Mutual relations of various MO system of protection, strengthening and restoration of population health;
- Criteria of public health and methods of its study, influencing factors to the population health;
- Organization of sanitary education, hygienic education of the population and promotion of a healthy lifestyle;

- Fundamentals of insurance medicine in Russia;
- Organization of occupation safety and accident prevention in MO;
- Methods of researching the population health status with a view to preserving, strengthening and restoring it;
- Basics of applying the statistical method in the management of the quality of medical care to the population;
- Basics of application of methods of evidence-based medicine in assessing the population health status, MO activities and in scientific research;
- Organization of accounting and reporting activities of the institution using computer equipment;
- The use of statistical indicators in assessing the health status of adults and children and the activities of the MO:
 - the main methods of calculating and analyzing the health indicators of the population (medical and demographic indicators, morbidity indicators, disability and physical development indicators);
 - the main methods for calculating and analyzing the performance of MO;
- Sanitary and hygienic requirements for the device, organization and regime of medical organizations;
- Organization of medical (outpatient and inpatient) care for various groups of urban and rural population, modern organizational forms of work and diagnostic capabilities of outpatient clinic service;
- Organization of protection of motherhood and childhood;
- Principles of dispensary observation of different age-sex and social groups of the population;
- Rules for accounting, storage and maintenance of standard medical records in the MO;
- Peculiarities of the organization and the main activities of the therapists and general practitioner;
- Integrated prevention programs;
- Specific and nonspecific prophylaxis of infectious diseases in various groups of the population;
- Organization of examination of temporary and permanent disability in the MO;
- Organization of social and medical rehabilitation of patients;
- Theoretical and organizational foundations of the Federal Service for Supervision of Consumer Rights Protection and Human Welfare;
- Basic management processes and technologies in the healthcare of medical activities:
 - the fundamentals of health economics;
 - principles and methods of healthcare planning in modern conditions;
 - organization of planning and economic and financial activities of the MO;
 - MO management methods of any form of ownership;
 - the main principles of the examination of the quality of medical activities;
 - Basics of marketing and its application in health care.
- Basic principles of medical ethics and deontology.

TO KEEP:

- Use the basics of economic and legal knowledge in professional work;
- Thinking abstract think, analyzing and evaluating the quality of medical care, the health status of the population, the impact on it of environmental factors, lifestyle, biological factors and the organization of medical care MO;
- To compile a program and plan for the study of the health indicators of the population at the group and population levels;
- To conduct selective medical and social research: collection, statistical processing and analysis of information on the health status of the population or its individual groups;

- Carry out a critical analysis and reasoned interpretation of the results of own and similar statistical observations;
- To calculate and evaluate the basic indicators of public health with the application of socio-hygienic methods of collecting and medico-statistical analysis of information about health indicators of the population;
- To assess the health status of various groups of the population, draw up an appropriate conclusion and develop a set of therapeutic and preventive measures to improve the quality of life of the population;
- To assess the health status of different population groups and draw up an appropriate conclusion;
- Use information on public health and the activities of medical organizations to propose measures to improve the quality and effectiveness of medical and preventive medical care to the public;
- Participate in the organization of the provision of preventive and sanitary-anti-epidemic, preventive and rehabilitation assistance to various groups of the population, taking into account the socio-professional and age-and-sex structure of the population;
- Organize the work of medical personnel in the MO;
- Use hygienic training and education of the population in order to create a healthy lifestyle, preserve, promote health and prevent diseases among different population groups;
- Conduct an examination of temporary incapacity for work, determine its timing and draw up a certificate of incapacity for work in various clinical situations;
- To conduct medical and social expertise, determine the cause, the disability group and the time for reassessment according with modern criteria, make up an individual rehabilitation program for the disabled person;
- To conduct medical documentation of various nature in the MO;
- Process medical records using computer programs;
- Analyze the activity of outpatient and polyclinic and stationary MO based on the calculation of their performance;
- Calculate and evaluate the performance indicators of institutions of the protection of motherhood and childhood;
- Analyze the effectiveness of using bed facilities;
- Assess the quality of outpatient and inpatient care for the population;
- Analyze the results of your own activities to prevent professional errors in practice;
- Calculate the price of a medical service;
- To apply modern management methods in the conditions of state, municipal or private ownership of the MO, i.e. organize the work of a individual MO;
- To plan and forecast the activities, forms and methods of work of the MO;
- Apply the basic principles of medical ethics and deontology in practical activities.

OWN:

- The main provisions of the legislative documents on public healthcare;
- Methods of organizing the activities of health facilities and their structural units, including the organization of work with personnel;
- Rules for the management of medical records;
- The methodology for calculating the indicators of medical statistics in the MO activities;
- Method of calculation and analysis of health indicators of the population (medical-demographic, incidence, disability, physical development);
- Methods of analyzing the activities of various institutions of the system protection, strengthening and restoring the health of the population;
- The technique of filling in the sheets of incapacity for work;
- Consolidating indicators which characterizing the degree of development of the healthcare economy;
- The skills of communicative activity, taking into account the basic principles of medical ethics

- and deontology, bear social and ethical responsibility for the made decisions;
- Methods of educational activities to eliminate risk factors and the formation of skills for a healthy lifestyle.

4. The total complexity of the discipline is 6 credit units (216 hours).

5. **Semester: VI, VII.**

6. **The main sections of the discipline:**

- 1) The subject, place and role of public health and public healthcare. Theoretical and organizational bases of public healthcare.
- 2) The basics of medical statistics.
- 3) Public health and its determinants. Health indicators of the population.
- 4) The most important diseases and their social and hygienic significance.
- 5) Medical examination. Examination of temporary and permanent disability.
- 6) Organization of medical care for different groups of the population.
- 7) Organization of the Federal Service for Supervision of Consumer Rights Protection and Human Welfare.
- 8) Social insurance and social security. Health insurance.
- 9) Fundamentals of Economics, Management, Planning and Financing of Healthcare.

Developers:

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