

**Abstract of the working program of the discipline  
«Public health and healthcare, healthcare economics»  
the main professional educational program of higher education  
is the specialty program in the specialty 31.05.03 Dentistry, approved on 24.05.2023.**

- 1. The purpose of mastering the discipline** «Public health and healthcare, health economics» is to form the readiness and ability of students in the specialty 31.05.03 «Dentistry» to work in modern medical organizations of various profiles and their development of general cultural, general professional and professional competencies aimed at acquiring knowledge, skills and abilities in assessing the impact of social conditions and environmental factors on public health, mastering the basics of preventive and organizational and managerial activities, aimed at preserving and strengthening the health of each person, family and society as a whole, maintaining an active long-term life.
- 2. The place of the discipline in the structure of the main professional educational program of higher education:** "Public health and 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 31.05.03 "Dentistry" (specialty level).
- 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 -2, AI-1 GPC -11.

As a result of studying the discipline, students should:

**TO KNOW:**

- Fundamentals of the legislation on healthcare of the Russian Federation, the main policy documents defining the activities of health authorities and institutions;
- Legal and ethical aspects of medical activity;
- Basic principles of the organization of the healthcare system in the Russian Federation;
- Basic principles of organization and management in the field of public health protection, in medical organizations (hereinafter - MO) and their structural divisions;
- The structure of the modern healthcare system of the Russian Federation, the activities of management bodies and medical organizations of the healthcare system;
- The relationship of various MO systems of protection, strengthening and restoration of public health;
- Criteria of public health and methods of its study, factors affecting the health of the population;
- Organization of sanitary education, hygienic education of the population and promotion of a healthy lifestyle;
- Fundamentals of insurance medicine in the Russian Federation;
- Organization of labor protection and safety in the Ministry of Defense;
- Methodology for studying the health status of the population with the aim of preserving, strengthening and restoring it;
- Fundamentals of the application of the statistical method in the quality management of dental medical care to the population;

- Fundamentals of the use of evidence-based medicine methods in assessing the health status of the population, the activities of the Ministry of Defense and in scientific research;
- Organization of accounting and reporting activities of the institution using computer technology;
- The use of statistical indicators in assessing the health status of the population and the activities of medical organizations: basic methods for calculating and analyzing population health indicators (medical and demographic indicators, morbidity indicators, disability indicators and physical development);
- basic methods of calculation and analysis of performance indicators of dental medical organizations;
- Sanitary and hygienic requirements for the device, organization and regime of medical organizations;
- Organization of medical (outpatient and inpatient) care to various groups of urban and rural population, modern organizational forms of work and diagnostic capabilities of dental services to various groups of the population;
- Organization of dental services in the system of maternity and childhood protection;
- Principles of dispensary observation of various age-sex and social groups of the population;
- Organization of preventive medical examinations, medical examination and implementation of dispensary supervision of patients with dental diseases;
- Rules of accounting, storage and maintenance of standard accounting and reporting medical documentation in the Ministry of Defense;
- Features of the organization and the main activities of a dentist;
- Comprehensive prevention programs;
- Specific and non-specific prevention of infectious diseases to various groups of the population;
- Organization of examination of temporary and permanent disability in the Ministry of Defense;
- Organization of social and medical rehabilitation of patients;
- Theoretical and organizational foundations of the Federal Service for Supervision of Consumer Rights Protection and Human Well-being;
- Basic management processes and technologies in healthcare medical activity: fundamentals of health economics; marketing of dental services; pricing for dental services;
- principles and methods of healthcare planning in modern conditions; organization of planned economic and financial activities of the Ministry of Defense; management methods in a medical organization of any form of ownership; basic principles of the examination of the quality of medical activity; fundamentals of marketing and its application in healthcare.
- Basic principles of medical ethics and deontology.

#### **BE ABLE TO:**

- Use the basics of economic and legal knowledge in professional activities;
- To think abstractly, analyze and evaluate the quality of medical care, the health status of the population, the influence of environmental factors, lifestyle, biological and organization of medical care on it.;
- Draw up a set of measures aimed at preserving and strengthening health and including the formation of a healthy lifestyle, prevention of the occurrence and (or) spread of dental diseases, their early diagnosis, identification of the causes and conditions of their occurrence and development, as well as aimed at eliminating the harmful effects on human health of environmental factors;
- Draw up a program and plan for the study of population health indicators at the group and

- population levels;
- Conduct selective medical and social research: collection, statistical processing and analysis of information on the health status of the population or its individual groups;
  - To conduct a medical and statistical analysis of dental morbidity according to the accounting and reporting forms of dental medical organizations;
  - To conduct a critical analysis and reasoned interpretation of the results of their own and similar statistical observations;
  - Calculate and evaluate the main health indicators of the population using socio-hygienic methods of collecting and medical statistical analysis of information on health indicators of the population;
  - To assess the health status of the population and draw up an appropriate conclusion;
  - Use information about the health of the population and the activities of medical organizations to propose measures to improve the quality and effectiveness of medical and preventive care to the population;
  - To participate in the organization and provision of therapeutic and preventive, sanitary and anti-epidemic, preventive and rehabilitation assistance to various groups of the population, taking into account the socio-professional and age-sex structure of the population;
  - Organize the work of medical personnel in the Ministry of Defense;
  - To use hygienic education and upbringing of the population in the interests of forming a healthy lifestyle, preserving, strengthening health and preventing diseases among different groups of the population;
  - To carry out an examination of temporary disability, determine its terms and issue a certificate of disability in various clinical situations;
  - Conduct a medical and social examination, determine the cause, disability group and the period of re-examination according to modern criteria, draw up an individual rehabilitation program for a disabled person;
  - Keep medical records of various types in the Ministry of Defense;
  - Process medical documentation using computer programs;
  - Analyze the activities of outpatient clinics and inpatient MO based on the calculation of their performance indicators;
  - Calculate and evaluate the performance indicators of the dental MO for the protection of motherhood and childhood;
  - Evaluate the quality of outpatient and inpatient care to the population;
  - Analyze the results of their own activities to prevent professional mistakes in practice;
  - Calculate the price of dental medical services;
  - Apply modern management methods in the conditions of state, municipal or private MO, i.e. organize the work of a separate MO;
  - Plan and forecast the activities, forms and methods of work of the Ministry of Defense;
  - Apply the basic principles of medical ethics and deontology in practice.

**OWN:**

- The main provisions of legislative documents on public health and healthcare;
- Methods of organizing the activities of healthcare institutions and their structural units, including the organization of work with personnel;
- Rules for maintaining medical records;
- The methodology for calculating the performance indicators of dental MO;
- Methodology of calculation and analysis of population health indicators (medical and demographic, morbidity, disability, physical development);
- Methodology for analyzing the activities of various institutions of the system of protection, strengthening and restoration of public health;
- The method of filling in the disability sheets;
- Consolidating indicators characterizing the degree of development of the healthcare

- economy, the methodology for calculating indicators of medical statistics;
- Communication skills, taking into account the basic principles of medical ethics and deontology, bear social and ethical responsibility for the decisions taken;
  - Methods of educational activities to eliminate risk factors and the formation of healthy lifestyle skills.

**The total labor intensity of the discipline is 3 credits (108 hours).**

**Semester: 5.**

**The main sections of the discipline:**

- Subject, place and role of public health and healthcare. Theoretical and organizational foundations of healthcare.
- Fundamentals of medical statistics.
- Public health and its determining factors. Health indicators of the population.
- The most important diseases and their social and hygienic significance.
- Medical examination. Examination of temporary and permanent disability.
- Organization of dental services to the population. Organization of medical care for various groups of the population.
- Organization of the Federal Service for Supervision in the Field of Consumer Protection and Human Well-being.
- Social insurance and social security. Medical insurance.
- Fundamentals of economics, management, planning and financing of healthcare. Marketing of dental services.

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