

**Thematic lesson plan of SEMINARS  
in the discipline «Public Health and Healthcare,  
Healthcare Economics» for 2022 year entering students  
of the educational program of the specialist degree  
in the specialty 31.05.03 DENTISTRY,  
direction (profile) DENTISTRY, form of study full-time  
2025-2026 academic year**

<b>№</b>	<b>Thematic blocks</b>	<b>Practical training<sup>3</sup></b>	<b>Hours (academic)<sup>4</sup></b>
<b>7th semester</b>			
1	Fundamentals of medical statistics. Public health assessment methods. <sup>1</sup> Organization and stages of statistical research, statistical tables. Absolute and relative values. Dynamic series and its analysis. Method of calculation of relative indices. Graphical representation of relative indicators. <sup>2</sup> Computer tasks solving		6
2	Variational statistics. <sup>1</sup> The use of average values for assessing the health of the population. Measures of spread and Standard deviation. Standard error. Methods for testing statistical hypotheses. Assessment of the reliability of differences in mean and relative values, t-test. Statistical significance of relative values difference. Practical cases for calculation of the statistical indexes. Control of knowledge and skills on the topic "Variational statistics".		6
3	Medical demography, its main sections and indicators. <sup>1</sup> Census and population movement indicators. The main trends in medical and demographic processes and the factors that determine them. The demographic policy of the Russian Federation, population reproduction, the role of demographic data in the activities of medical organizations. Methodology for Calculating and Evaluating Demographics. Their importance for the planning of the activities of dental institutions and the dentists. <sup>2</sup> Control of knowledge and skills on the topic " Medical demography"		6
4	The main indicators of morbidity, methods of its study and their comparative characteristics <sup>1</sup> . Types of morbidity, basic accounting and reporting documents. The main patterns of morbidity in the population and the factors that determine it <sup>2</sup> . Methodology for calculating and assessing indicators of general and dental morbidity, their importance for planning the activities of dental institutions and a dentist. International Classification of Diseases and Health-related/ Problems (ICD-X), principles of construction, headings of dental diseases <sup>1</sup> . Control of knowledge, skills in module unit 2 "Public health and factors that determine it"		6
5	Healthy lifestyle <sup>1</sup> . Health risk factors. Significance for dental health. Forms, methods and means of hygienic education of the population. Family and health. The role of the family in the formation of a healthy lifestyle. The main directions of family policy of different states. <sup>2</sup>	PT	6

6	<p>Activities of medical organizations to prevent the spread and treatment of HIV infection and AIDS<sup>1</sup>.  Medical ethics and deontology<sup>1</sup>. Ethics in dentistry. Ethical and moral aspects of the activities of medical dental workers<sup>2</sup>. Ethical norms and rules in scientific research.  Control of knowledge and skills on the topic "Medical ethics and deontology"<sup>2</sup>.  Control of knowledge, abilities, skills in modular units 1, 2, 3</p>	PT	6
<b>Total in 7th semester</b>			<b>36</b>
<b>8th semester</b>			
1.	<p>Health care systems. Types of healthcare providers. Organization of medical care for various groups of the population. Health regulatory framework.  Nomenclature of medical organizations. Features of the organizational and functional structure of medical organizations. Types, forms, conditions of medical care. Organization of protection, strengthening and restoration of public health in the Russian Federation. Medical institution. Medical staff</p>		6
2	<p>Organization of outpatient care. Features of the organizing the work of a therapist, key indicators of the city polyclinic. Organization of dental care for the urban population. Dental clinic, performance indicators.  Organization of medical care for women and children. Medical organizations providing medical care to women. Prenatal clinic, maternity hospital. Features of medical care for children. Children's clinic and hospital.  Rural health care. Features of providing medical care to rural residents. Clinical examination. Health education</p>		6
3	<p>Organization of inpatient medical care. Structure and organization of work of medical organizations providing inpatient medical care. Statistical indicators and analysis of inpatient work. Solving tasks.  Medical prophylaxis and health education. Organization of preventive work of the dentist. Clinical examination. The role of health check-ups and health education in public health savings. Dispensary method in the activities of a dentist.  Control of knowledge and skills in the modular unit "Organization of medical care"</p>	PT	6
4	<p>Priority directions of healthcare development. Legal aspects of the activity of medical personnel. Program of state guarantees for the provision of free medical care to citizens of the Russian Federation. Social and health insurance. Compulsory health insurance in the Russian Federation. Interaction of subjects and participants of compulsory health insurance.  The organization of medical care in different countries of the world.  Control of knowledge, skills</p>	PT	6
5	<p>Ensuring the quality and safety of medical care. Medical standards and clinical guidelines. Organization of expert examination of the quality of medical care in medical organizations Quality assessment of medical care. Non-departmental expertise of the quality of medical care".  Control of knowledge and skills in the "Medical expertise. Ensuring the quality and safety of medical activities"  Digital transformation of healthcare. Information Systems in Healthcare, Automated Workplaces of Healthcare Professionals. Electronic patient medical record. Application of</p>		6

	comprehensive medical information systems. Features of the application of medical information systems. Telemedicine consultations, remote biomonitoring, emergency and routine consultations for doctors.		
6	Healthcare economics. Fundamentals of healthcare economics, the concept of price, profit, profitability in health care, classification of expenses of medical organizations, methodology for calculating the cost of medical services. Salaries of medical workers. Systems, types and forms of wages of medical personnel in Russia. Effective contract as method of differentiated payman. Marketing in Healthcare. Healthcare Services Market. Entrepreneurship in health care. Types, organizational and legal forms. Healthcare Organization Business Plan. Management in health care. The concept of management. Management of a medical organization. Project management. Control of knowledge and skills in all modular units of discipline. Solving test tasks.		6
<b>Total in 8th semester</b>			<b>36</b>
<b>Total in two semesters</b>			<b>72</b>

<sup>1</sup> – Subject

<sup>2</sup> – Essential content

<sup>3</sup> – Practical training (PT)

<sup>4</sup> – One thematic unit includes several classes, the duration of one class is 45 minutes, with a break between classes of at least 5 minutes

Considered at the meeting of the department of Public Health and Healthcare 02/06/2025, protocol No13.

Head of the Department of Public Health and Healthcare,  
Professor

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