

**Thematic lesson plan of SEMINARS
in the discipline «Public Health and Healthcare, Healthcare Economics»
for 2021 year entering students
of the educational program of the specialist degree
in the specialty 31.05.01 GENERAL MEDICINE,
direction (profile) GENERAL MEDICINE,
form of study full-time, 2024-2025 academic year**

№	Topics of seminars ¹	Hours (academic)
7th semester		
1	Fundamentals of medical statistics. Public health assessment methods.	2
	Organization and stages of statistical research, statistical tables.	2
2	Absolute and relative values. Dynamic series and its analysis.	2
	Method of calculation of relative indices. Graphical representation of relative indicators.	2
	Control of knowledge and skills on the topic "Fundamentals of Medical Statistics".	2
3	Variational statistics. The use of average values for assessing the health of the population.	2
	Measures of spread and Standard deviation. Standard error. Practical cases for calculation of the statistical indexes.	2
4	Methods for testing statistical hypotheses. Assessment of the reliability of differences in mean and relative values, t-test. Statistical significance of RELATIVE values difference.	2
	Control of knowledge and skills on the topic "Variational statistics". Computer tasks solving.	2
5	Methodology for Calculating and Evaluating Standardized values. Correlation and Regression.	2
	Control of knowledge, skills and abilities in module unit 1 "Theoretical foundations of the discipline Public health and healthcare"	2
	Introduction to independent work "Population Health Statistics" (IW-1.1)	2
6	Medical demography, its main sections and indicators. Census and population movement indicators.	2
	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.	2
7	Methodology for Calculating and Evaluating Demographics. Their importance for the planning of the activities of dental institutions and the dentists.	2
	Control of knowledge and skills on the topic " Medical demography".	2
8	The main indicators of morbidity, methods of its study and their comparative characteristics ¹ . Types of morbidity, basic accounting and reporting documents. The main patterns of morbidity in the population and the factors that determine it ² .	2

	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 ² .	2
9	Examining dental health indicators at the individual and population level. Current state of dental health of the population.	2
	Study of dental health indicators at the individual and population level ¹ . Current state of dental health of the population ² .	2
	Control of knowledge, skills in module unit 2 "Public health and factors that determine it".	2
10	Activities of medical organizations to prevent the spread and treatment of HIV infection and AIDS ¹ .	2
	Forms, methods and means of hygienic education of the population. ²	2
11	Healthy lifestyle ¹ . Health risk factors. Significance for dental health (part 1) ² .	2
	Healthy lifestyle ¹ . Health risk factors. Significance for dental health (part 2) ² . Control of knowledge and skills on the topic "Healthy lifestyle".	2
12	Family and health ¹ . The role of the family in the formation of a healthy lifestyle. The main directions of family policy of different states ² .	2
	Контроль знаний, умений, навыков по теме «Семья и здоровье».	2
13	Medical ethics and deontology ¹ . Ethics in dentistry. Ethical and moral aspects of the activities of medical dental workers ² .	2
	Formation and application of ethical norms and rules in professional medical and dental activities ¹ . Ethical norms and rules in scientific research. Control of knowledge and skills on the topic "Medical ethics and deontology" ² .	2
14	Control of knowledge, abilities, skills in modular units 1, 2, 3.	2
	Total in 7th semester	60
7th semester		
1.	Health care systems. Types of healthcare providers.	2
	Organization of medical care for various groups of the population. Health regulatory framework.	2
	Nomenclature of medical organizations. Features of the organizational and functional structure of medical organizations. Types, forms, conditions of medical care.	2
2	Organization of protection, strengthening and restoration of public health in the Russian Federation. Medical institution. Medical staff.	2
	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	2
	Rural health care. Features of providing medical care to rural residents. Clinical examination. Health education.	2
3	Organization of outpatient care. Features of the organizing the work of a therapist, key indicators of the city polyclinic.	2
	Organization of dental care for the urban population. Dental clinic, performance indicators.	2
	Solution of the situational problem on the performance indicators of the city. Introduction to the independent work "Organization of dental care for the population"	2
4	Medical prophylaxis and health education. Clinical examination. The role of health check-ups and health education in public health savings.	2

	Organization of preventive work of the dentist. Methods and performance indicators. Dispensary method in the activities of a dentist.	2
	Organization of emergency and specialized medical care for the population. Their place and importance in the structure of medical care for the urban population	2
5	Organization of inpatient medical care. Structure and organization of work of medical organizations providing inpatient medical care.	2
	Statistical indicators and analysis of inpatient work. Solving tasks	2
	Control of knowledge and skills in the modular unit "Organization of medical care"	2
6	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	2
	Quality assessment of medical care. Non-departmental expertise of the quality of medical care"	2
	Control of knowledge and skills in the "Medical expertise. Ensuring the quality and safety of medical activities"	2
7	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.	2
	Social and health insurance. Compulsory health insurance in the Russian Federation. Interaction of subjects and participants of compulsory health insurance.	2
	The organization of medical care in different countries of the world.	2
8	Digital transformation of healthcare. Information Systems in Healthcare, Automated Workplaces of Healthcare Professionals.	2
	Electronic patient medical record. Application of comprehensive medical information systems.	2
	Features of the application of medical information systems. Telemedicine consultations, remote biomonitoring, emergency and routine consultations for doctors.	2
9	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.	2
	Salaries of medical workers. Systems, types and forms of wages of medical personnel in Russia. Effective contract as method of differentiated payman.	2
	Marketing in Healthcare. Healthcare Services Market.	2
10	Entrepreneurship in health care. Types, organizational and legal forms. Healthcare Organization Business Plan.	2
	Management in health care. The concept of management. Management of a medical organization. Project management.	2
	Control of knowledge and skills in all modular units of discipline. Solving test tasks.	2
	Total in 12th semester	60
	Total	120

¹ - Subject

² - Essential content

Considered at the meeting of the department of Public Health and Healthcare 06/18/2024, protocol No13.

Head of the Department of Public Health and Healthcare,

Professor



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