

ЛД-16 ИН

Federal State Budgetary Educational Institution
higher education
"NORTH OSSETIAN STATE MEDICAL ACADEMY"
Ministry of Health of the Russian Federation



Rector of FGBOU VO SOGMA
Ministry of Health of Russia
O.V. Remizov

THE WORKING PROGRAM OF THE DISCIPLINE
"EPIDEMIOLOGY"

main professional educational program of higher education - specialty program in the specialty
31.05.01 Medicine,
approved on March 30, 2022

Form of study _____ full-time _____

Term of mastering OBOP VO _____ 6 years _____

Department infectious diseases

Vladikavkaz, 2022

When developing the work program of the discipline, the basis is based on:

1. Federal State Educational Standard of Higher Education in the specialty 31.05.01 General medicine approved by the Ministry of Education and Science of the Russian Federation on February 9, 2016, № 95.
2. Curricula of OPOP VO in the specialty 31.05.01 General medicine:

ЛД-16-03-17

ЛД-16-04-18

ЛД-16-05-19

ЛД-16-06-20, approved by the Academic Council of the Federal State Budgetary Educational Institution of Higher Education SOGMA of the Ministry of Health of Russia on March 30, 2022, Protocol № 6.

The work program of the discipline was approved at a meeting of the Department of Infectious Diseases dated March 18, 2022, protocol № 8.

The work program of the discipline was approved at a meeting of the central coordinating educational and methodological council dated March 22, 2022, protocol № 4.

The working program of the discipline was approved by the Academic Council of the Federal State Budgetary Educational Institution of Higher Education SOGMA of the Ministry of Health of Russia dated March 30, 2022, protocol № 6.

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Head of the department



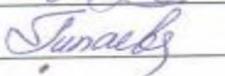
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Content of the work program

1. name of the discipline;
2. a list of planned learning outcomes in the discipline, correlated with the planned results of mastering the educational program;
3. an indication of the place of discipline in the structure of the educational program;
4. the amount of discipline in credit units, indicating the number of academic or astronomical hours allocated for contact work of students with a teacher (by type of training) and for independent work of students;
5. the content of the discipline, structured by topics (sections) with an indication of the number of academic or astronomical hours allocated for them and types of training;
6. a list of educational and methodological support for independent work of students in the discipline;
7. fund of assessment tools for intermediate certification of students in the discipline;
8. a list of basic and additional educational literature necessary for mastering the discipline;
9. a list of resources of the information and telecommunication network "Internet" (hereinafter - the "Internet" network), necessary for mastering the discipline;
10. methodological instructions for students on mastering the discipline;
11. a list of information technologies used in the implementation of the educational process in the discipline, including a list of software and information reference systems (if necessary);
12. description of the material and technical base necessary for the implementation of the educational process in the discipline.
13. Conducting educational activities using e-learning and distance learning technologies

1. Name of the discipline:

This work program regulates the study of the discipline "Epidemiology".

2. List of planned learning outcomes for the discipline and the results of mastering the educational program

p / no	Competency number / index	Name of topics for practical sessions	Development results		
			know	be able to	own
1	2	3	4	5	
1.	OPK-6 PC-3	Introduction to Epidemiology. The doctrine of the epidemic process.	Fundamentals of legislation on sanitary and epidemiological welfare of the population; official documents regulating anti-epidemic services for the population in infectious and parasitic diseases. Maintaining standard accounting and reporting medical documentation in medical organizations. clinic of especially dangerous infections and anti-epidemic measures for these diseases -principles of first aid for the adult population	to carry out anti-epidemic measures, protection of the population in the centers of especially dangerous infections; assess the state of public health; evaluate the calculation of indicators of medical statistics	correct medical records
2.	PC-3	Manifestations of the epidemic process. The doctrine of the natural focus of infections. Epidemiology of noncommunicable diseases.	Fundamentals of legislation on sanitary and epidemiological welfare of the population; official	Organize and provide medical and preventive and sanitary and anti-epidemic assistance to the	Public health assessments (epidemiological)

1	2	3	4	5	
			<p>documents regulating anti-epidemic services for the population in infectious and parasitic diseases;</p> <p>The doctrine of the epidemic process;</p> <p>Epidemiological approach to the study of human diseases: epidemiology of infectious and parasitic diseases;</p> <p>Implementation of anti-epidemic measures, protection of the population in the centers of especially dangerous infections and natural disasters.</p>	<p>population;</p> <p>Carry out preventive, hygienic and anti-epidemic measures;</p> <p>Establish cause-and-effect relationships of changes in health from the impact of environmental factors.</p>	
3.	PC-3 PC-13 PK-19	Epidemic method. Epidemiological diagnostics. Fundamentals of Evidence-Based Medicine in Epidemiology.	Epidemiological approach to the study of human diseases: epidemiology of infectious and parasitic diseases;	Establish cause-and-effect relationships of changes in health from the impact of environmental factors.	Public health assessments (epidemiological)
4.	PC-3 PC-13 PK-19	The focus of an infectious disease, preventive and anti-epidemic work. Epidemiological surveillance.	<p>clinic of infectious diseases, including especially dangerous infections and anti-epidemic measures for these diseases</p> <p>-principles of first aid for the adult population.</p> <p>Clinic for emergencies arising in an emergency.</p> <p>Know the indications for emergency and planned</p>	<p>to carry out anti-epidemic measures, protection of the population in the centers of especially dangerous infections</p> <p>- be able to diagnose and prescribe adequate treatment in first aid, in emergency situations and syndromes in the adult population.</p>	<p>skills in working with anti-plague suits of all types</p> <p>- skills in the implementation of first medical aid in the event of emergency and life-threatening conditions, in the outbreaks of mass destruction, for hospitalization of patients in a planned and</p>

1	2	3	4	5	
			hospitalization.		emergency manner
5.	PC-3 PC-13 PK-19	Disinfection, disinsection, deratization, sterilization. Epidemiology of nosocomial infections.	clinic of infectious diseases, including especially dangerous infections and anti-epidemic measures for these diseases -principles of first aid for an adult. Emergency Clinic. Know the indications for emergency and planned hospitalization.	to carry out anti-epidemic measures, protection of the population in the centers of especially dangerous infections - be able to diagnose and prescribe adequate treatment in first aid, in emergency situations and syndromes in the adult population.	skills in working with anti-plague suits of all types - skills in the implementation of first medical aid in the event of emergency and life-threatening conditions, in the outbreaks of mass destruction, for hospitalization of patients in a planned and emergency manner
6.	OPK-6 PC-3 PC-13 PK-19	Immunoprophylaxis of infectious diseases. National vaccination calendar. Legal framework for immunization.	Legal framework in the field of immunization; Specific and non-specific prevention of infectious diseases; diseases associated with the adverse effects of climatic and social factors	Analyze and assess the state of health of the population and the influence of environmental factors on it; participate in the organization of sanitary and anti-epidemic assistance to the population; carry out preventive and anti-epidemic measures.	Public health assessments (epidemiological); the method of calculating indicators of medical statistics, the correct maintenance of medical records
7.	PC-3 PC-13 PK-19	Features of the epidemic process and anti-epidemic measures for respiratory tract infections (diphtheria, measles, influenza, meningococcal infection, chickenpox).	clinic of infectious diseases and anti-epidemic measures for these diseases -principles of first aid for the adult population. Know the indications for emergency and planned hospitalization.	to carry out anti-epidemic measures; diagnose and prescribe adequate treatment for first aid, emergency situations and syndromes in the adult population.	skills in the implementation of first medical aid in case of emergency and life-threatening conditions, for hospitalization of patients in a planned and emergency manner

1	2	3	4	5	
8.	PC-3 PC-13 PK-19	Features of the epidemic process and anti-epidemic measures for intestinal infections (shigellosis, typhoid fever, salmonellosis, viral hepatitis A).	clinic of intestinal infections and anti-epidemic measures for these diseases; -principles of first aid for the adult population. Clinic for emergencies arising in an emergency. Know the indications for emergency and planned hospitalization.	to carry out anti-epidemic measures, protection of the population in the centers of especially dangerous infections - be able to diagnose and prescribe adequate treatment in first aid, in emergency situations and syndromes in the adult population.	skills in working with anti-plague suits of all types - skills in the implementation of first medical aid in the event of emergency and life-threatening conditions, in the outbreaks of mass destruction, for hospitalization of patients in a planned and emergency manner
9.	OPK-6 PC-3 PC-13 PK-19	Peculiarities of the epidemic process and anti-epidemic measures for blood infections with a transmissible transmission mechanism (malaria, typhus), infections of the external integument (anthrax, erysipelas, tetanus) and infections with a contact transmission mechanism (parenteral viral hepatitis, HIV infection).	Clinic of infectious diseases, including especially dangerous infections and anti-epidemic measures for these diseases -principles of first aid for the adult population. Clinic for emergencies arising in an emergency. Know the indications for emergency and planned hospitalization.	to carry out anti-epidemic measures, protection of the population in the centers of especially dangerous infections - be able to diagnose and prescribe adequate treatment in first aid, in emergency situations and syndromes in the adult population.	skills in working with anti-plague suits of all types - skills in the implementation of first medical aid in the event of emergency and life-threatening conditions, in the outbreaks of mass destruction, for hospitalization of patients in a planned and emergency manner
10.	PC-3 PC-13 PK-19	International Health Regulations. Anti-epidemic measures in the foci of infections of international importance. Sanitary and anti-epidemic provision of the population in emergency situations.	clinic of especially dangerous infections and anti-epidemic measures for these diseases -principles of first aid for the adult population in accordance with the discipline program. Clinic for emergencies arising in an emergency. Know the indications for emergency	to carry out anti-epidemic measures, protection of the population in the centers of especially dangerous infections - be able to diagnose and prescribe adequate treatment in first aid, in emergency situations and syndromes in the adult population.	skills in working with anti-plague suits of all types - skills in the implementation of first medical aid in the event of emergency and life-threatening conditions, in the outbreaks of mass destruction, for hospitalization of patients

<i>1</i>	<i>2</i>	<i>3</i>	<i>4</i>	<i>5</i>	
			and planned hospitalization.		in a planned and emergency manner

3. Place of discipline in the structure of the educational program

The discipline "Epidemiology" is implemented in the basic part of the curriculum for training a specialist for students in the direction of training (specialty) 31.05.01. Internal medicine.

4. Scope of the discipline:

No. No. p/ p	Type of work	Total credit units	Total hours	Semesters	
				No. 11	
				hours	
1	2	3	4	5	
1	Contact work of students with the teacher (total), including:	2	72	72	
2	Lectures (L)	0.6	twenty	twenty	
3	Practical lessons (PZ)	1.4	52	52	
6	Student independent work (IWS)	1	36	36	
7	Intermediate type appraisals	credit (C)	-	-	Offset
		exam (E)	-	-	-
eight	TOTAL: Total labor intensity	hours	108	108	108
		ZET	3	-	-

5. Content of the discipline

No./n	Semester number	The name of the topic (section) of the discipline	Types of educational activities (in hours)					Forms of monitoring progress
			L	LR	PZ	CPC	Total	
1	2	3	4	5	6	7	eight	nine
1. ___	eleven	Introduction to Epidemiology. The doctrine of the epidemic process.	1	-	5	3	nine	Interview; Test tasks; Situational tasks
2. ___	eleven	Manifestations of the epidemic process. The doctrine of the natural focus of infections. Epidemiology of noncommunicable diseases.	2	-	6	3	eleven	Interview; Test tasks; Situational tasks
3. ___	eleven	Epidemic method. Epidemiological diagnostics. Fundamentals of Evidence-Based Medicine in Epidemiology.	2	-	5	4	eleven	Interview; Test tasks; Situational tasks
4. ___	eleven	The focus of an infectious disease, preventive and anti-epidemic work. Epidemiological surveillance.	2	-	5	4	eleven	Interview; Test tasks; Situational tasks
5. ___	eleven	Disinfection, disinsection, deratization, sterilization. Epidemiology of nosocomial infections.	2	-	5	4	eleven	Interview; Test tasks; Situational tasks
6. ___	eleven	Immunoprophylaxis of infectious diseases. National vaccination calendar. Legal framework for immunization.	2	-	5	4	eleven	Interview; Test tasks; Situational tasks

<i>1</i>	<i>2</i>	<i>3</i>	<i>4</i>	<i>5</i>	<i>6</i>	<i>7</i>	<i>eight</i>	<i>nine</i>
7. _	eleven	Features of the epidemic process and anti-epidemic measures for respiratory tract infections (diphtheria, measles, influenza, meningococcal infection, chickenpox).	2	-	5	4	eleven	Interview; Test tasks; Situational tasks
8. _	eleven	Features of the epidemic process and anti-epidemic measures for intestinal infections (shigellosis, typhoid fever, salmonellosis, viral hepatitis A).	2	-	5	4	eleven	Interview; Test tasks; Situational tasks
9. _	eleven	Peculiarities of the epidemic process and anti-epidemic measures for blood infections with a transmissible transmission mechanism (malaria, typhus), infections of the external integument (anthrax, erysipelas, tetanus) and infections with a contact transmission mechanism (parenteral viral hepatitis, HIV infection).	2	-	5	3	ten	Interview; Test tasks; Situational tasks
10. _	eleven	International Health Regulations. Anti-epidemic measures in the foci of infections of international importance. Sanitary and anti-epidemic provision of the population in emergency situations.	3	-	6	3	12	Interview; Test tasks; Situational tasks
TOTAL:			twenty		52	36	108	-

6. The list of educational and methodological support for independent work of students in the discipline

No./n	Semester number	Name of educational and methodological development
<i>1</i>	<i>2</i>	<i>3</i>
1.	ten	Butaev T.M., Tsarikaeva M.S. EPIDEMIOLOGY. MILITARY EPIDEMIOLOGY, Vladikavkaz. - 2020. - 51 p.
2.	eleven	Otarava B.I., Butaev T.M. Botulism in the Republic of North Ossetia-Alania, Vladikavkaz. - 2020. -- 111 p.
3.	eleven	Butaev T.M., Kabolova Z.Z. EPIDEMIOLOGY AND PREVENTION OF HELMINTHOSIS (Methodological manual for students of medical-prophylactic, medical, dental and pediatric faculties), Vladikavkaz. - 2020.- 31 p.
4.	eleven	Butaev T.M., Khabieva B.A. EPIDEMIOLOGY AND PREVENTION OF ZONOSIS Methodical manual for students of medical-preventive, medical and pediatric faculties; North Ossetian State Medical Academy. - Vladikavkaz, 2020. -- 45 p.
5.	eleven	Butaev T.M., Khabieva B.A. Anti-epidemic support of the population in emergency zones; North Ossetian State Medical Academy. - Vladikavkaz, 2020. -- 26 p.
6.	eleven	Butaev T.M., Khabieva B.A.

1	2	3
		Prevention of nosocomial infections: textbook; North Ossetian State Medical Academy. - Vladikavkaz, 2020 .-- 91 p.
7.	eleven	Butaev T.M. THE MAIN LEGAL DOCUMENTS OF ROSPOTREBNADZOR REGULATING THE ACTIVITIES OF THE SPECIALISTS; North Ossetian State Medical Academy. - Vladikavkaz, 2020 .-- 19 p.
8.	eleven	Butaev T.M. EPIDEMIOLOGY AND HYGIENE OF EMERGENCY SITUATIONS; North Ossetian State Medical Academy. - Vladikavkaz, 2020 .-- 20 p.
9.	eleven	Butaev T.M., Kabolova Z.Z. EPIDEMIOLOGY AND PREVENTION OF ROTAVIRAL INFECTION; North Ossetian State Medical Academy. - Vladikavkaz, 2020 .-- 19 p.
10.	eleven	Kabolova Z.Z., Butaev T.M. RESPIRATORY INFECTIONS (ASPIRATION ANTHROPONOSIS): EPIDEMIOLOGY AND PREVENTION; North Ossetian State Medical Academy. - Vladikavkaz, 2020 .-- 17 p.
11.	eleven	Butaev T.M., Tsirikhova A.S. Food poisoning and their prevention; North Ossetian State Medical Academy. - Vladikavkaz, 2020 .-- 37 p.
12.	eleven	Butaev T.M. Epidemiological studies. - 2020 .-- 25 p.
13.	eleven	Butaev T.M. Disinfection, sterilization, disinsection, deratization. - 2020 .-- 134 p.
14.	eleven	Butaev T.M., Tsarikaeva M.S. Hospital-acquired infections. - 2020 .-- 21 p.
15.	eleven	Butaev T.M., Tsirikhova A.S. Methods for assessing the reliability of the results of statistical research. - 2020 .-- 15 p.
16.	eleven	Butaev T.M. Epidemic process. Methodical manual for students of medical-prophylactic, medical and pediatric faculties - 2020. - 24 p.
17.	eleven	Butaev T.M., Khabieva B.A. METHODOLOGICAL GUIDE on the discipline "EPIDEMIOLOGY" for extracurricular independent work of students of medical, pediatric and dental faculties; North Ossetian State Medical Academy. - Vladikavkaz, 2020 .-- 26 p.

7. Fund of assessment tools for intermediate certification of students in the discipline

No./n	List of competencies	No. semester	Indicator (s) evaluating	Evaluation criterion (s)	Grading scale	Name FOS
1.	OPK-6 PC-3 PC-13 PK-19	eleven	See training quality control standard, approved. By order of the Federal State Budgetary Educational Institution of Higher Education of the SOGMA of the Ministry of Health of Russia dated 10.07.2018	See training quality control standard, approved. By order of the Federal State Budgetary Educational Institution of Higher Education of the SOGMA of the Ministry of	See training quality control standard, approved. By order of the Federal State Budgetary Educational Institution of Higher Education of the SOGMA of the Ministry of	Tickets for offset; Practical skills tickets; Test tasks

			No. 264 / o	Health of Russia dated 10.07.2018 No. 264 / o	Health of Russia dated 10.07.2018 No. 264 / o	
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8. The list of basic and additional educational literature necessary for mastering the discipline

п/ №	Наименование	Автор (ы)	Год, место издания	Кол-во экземпляров		Наименование ЭБС/ссылка ЭБС
				в библиотеке	на кафедре	
1	2	3	4	5	6	7
Основная литература						
1.	Эпидемиология: учебник	Зуева Л.П.	СПб.: Фолиант, 2006	99		
2.	Инфекционные болезни и эпидемиология: учебник	В.И. Покровский и др.	М.: ГЭОТАР-Медиа, 2008, 2013, 2016	98 20		«Консультант студента» http://www.studmedlib.ru/book/ISBN9785970425787.html
3.	Руководство к практическим занятиям по эпидемиологии инфекционных болезней	ред. В.И. Покровский	М.: ГЭОТАР-Медиа, 2005, 2007	26		«Консультант студента» http://www.studmedlib.ru/book/ISBN5970400386.html
Дополнительная литература						
1.	Военная гигиена и эпидемиология : учеб. пособие	Беляков В. Д., Жук Е.Г.	М. : Медицина, 1988	95		
2.	Санитарно-эпидемиологический надзор : учеб. пособие для врачей	Шапошников А. А., Бутаев Т. М., Лукичева Т. А.	М. : Гигиена, 2010	9		
3.	Эпидемический процесс : метод. пособие	Т.М. Бутаев и др.	Владикавказ, 2012	10		
4.	Эпидемиология: учеб. пособие	Власов В.В.	М.: ГЭОТАР-Медиа, 2006	18		«Консультант студента» http://www.studmedlib.ru/book/ISBN5970402656.html
5.	Внутрибольничные инфекции: метод. пособие для студентов 5 курса медико-профилактического, лечебного и педиатрического факультетов-	сост.: Т. М. Бутаев, М. С. Царикаева	Владикавказ, 2012			ЭБ СОГМА

9. The list of resources of the information and telecommunication network "Internet" necessary for mastering the discipline

1. <https://www.rosminzdrav.ru> -official website of the Ministry of Health of the Russian Federation. Contains a database of regulatory documents, search engines Garant, Consultant.
2. <http://www.elibrary.ru> -scientific electronic library, search is carried out by the thematic section, the name of the journal, the author. Contains a catalog of Russian-language and foreign publications. Sometimes he runs full-text access promotions. Registration required.
3. <http://medinfo.ru> - Medinfo.ru® is created as an information and reference resource for everyone who is interested in medicine and cares about their health. On the site you will find expert advice on various sections of medicine, orders of the Ministry of Health of the Russian Federation, Healthcare of the Russian Federation, International documents, Environmental legislation of the Russian Federation and the constituent entities of the Russian Federation.
4. <http://www.studmedlib.ru> Electronic library of a medical university "Student advisor".
5. <http://www.rospotrebnadzor.ru/> Official site of the Office of the Federal Service for Supervision of Consumer Rights Protection and Human Wellbeing of the Russian Federation.

10. Methodical instructions for students on mastering the discipline:

Training consists of classroom lessons (72 hours), including a lecture course and practical exercises, and independent work (36 hours). The main study time is allocated for practical work.

Practical exercises are conducted in the form of an interview, and the use of visual aids, solving situational problems, answering test tasks.

In accordance with the requirements of the Federal State Educational Standard of Higher Education, active and interactive forms of conducting classes are widely used in the educational process.

Work with educational literature is considered as a type of educational work in the discipline "Epidemiology" of organizations and is performed within the hours allotted for its study (in the CDS section).

Each student is provided with access to the library funds of the Federal State Budgetary Educational Institution of Higher Education SOGMA of the Ministry of Health of Russia and the department.

During the study of the academic discipline, students independently disassemble situational tasks, take measurements and draw up research protocols.

Independent work of students implies extracurricular training and includes the creation of a portfolio, presentations, tables, slides, abstracts on the topics studied.

The student's work in a group forms a sense of teamwork and sociability.

The initial level of students' knowledge is determined by testing, the current control of mastering the subject is determined by oral questioning during classes, during clinical analyzes, when solving typical situational tasks and answering test tasks.

At the end of the study of the discipline (module), an intermediate control of knowledge is carried out using test control, testing of practical skills and solving situational problems.

11. The list of information technologies used in the implementation of the educational process in the discipline

Educational technologies used (active, interactive)	List of software securing
<i>1</i>	<i>2</i>
Multimedia lecture (ML) Traditional Lecture (LT)	Microsoft Office PowerPoint;
Practical lesson (PZ) Round table discussion (CC) Solving situational tasks (S)	Microsoft Office PowerPoint; Internet Explorer
Educational research work (UIRS) Writing summaries (C)	Information and legal system "Consultant" Microsoft Office PowerPoint; Internet Explorer

12. Description of the material and technical base necessary for the implementation of the educational process in the discipline

When implementing an educational program for studying the discipline "Epidemiology":

- multimedia complex (laptop, projector, screen);
- Personal Computer;
- sets of slides, tables / multimedia visual materials for various sections of the discipline;
- situational tasks;
- boards.

When implementing an educational program for studying the discipline "Epidemiology", the following are used:

- study rooms for the work of students of the North Ossetian State Medical Academy;
- the material and technical fund has auditoriums for classroom lessons.
- lectures are provided with a projector, a laptop, a screen for demonstrating multimedia presentations developed in the PowerPoint program.
- Various equipment is used for classroom training.

13. Conducting educational activities using e-learning and distance learning technologies

In the context of the introduction of restrictive measures (quarantine) associated with an unfavorable epidemiological situation, the threat of the spread of a new coronavirus infection and other

force majeure events that do not allow full-time training, it is possible to study this discipline or part of it using e-learning and distance educational technologies.

Teaching the discipline in the above situations will be carried out through the development of an electronic course with access to video lectures and interactive course materials: presentations, articles, additional materials, tests and various tasks. When conducting training sessions, monitoring progress, as well as intermediate certification of students, platforms of the electronic information and educational environment of the academy and / or other e-learning systems recommended for use in the academy, such as Moodle, Zoom, Webinar, etc., can be used.

Lectures can be presented in the form of audio, video, "live lectures", etc.

Conducting seminars and practical classes is possible on-line both in synchronous and asynchronous modes. Seminars can be held in the form of web conferences.