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Republic of Kazakhstan

Ministry of Justice
of the Republic of
Kazakhstan
Institute of Legislation
and Legal Information

On amendments and additions to some orders of the Ministry of Health of the Republic of Kazakhstan

Acting order Minister of Health of the Republic of Kazakhstan dated May 24, 2023 No. 86. Registered with the Ministry of Justice of the Republic of Kazakhstan on May 25, 2023 No. 32583

I ORDER:

1. Approve the list of some orders of the Ministry of Health of the Republic of Kazakhstan, which are amended and supplemented in accordance with [the annex](#) to this order.
2. The Department of Science and Human Resources of the Ministry of Health of the Republic of Kazakhstan, in accordance with the procedure established by the legislation of the Republic of Kazakhstan, shall ensure:
 - 1) state registration of this order in the Ministry of Justice of the Republic of Kazakhstan;
 - 2) placement of this order on the Internet resource of the Ministry of Health of the Republic of Kazakhstan after its official publication;
 - 3) within ten working days after the state registration of this order with the Ministry of Justice of the Republic of Kazakhstan, submission to the Legal Department of the Ministry of Health of the Republic of Kazakhstan of information on the implementation of the measures provided for in subparagraphs 1) and 2) of this paragraph.
3. To impose control over the execution of this order on the supervising Vice Minister of Health of the Republic of Kazakhstan.
4. This order shall enter into force after the day of its first official publication.

*Acting
Minister of Health
of the Republic of Kazakhstan*

T. Sultangaziyev

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"AGREED"
Ministry of Science and Higher Education
of the Republic of Kazakhstan

Annex to the order
of the Acting
Minister of Health
of the Republic of Kazakhstan
dated May 24, 2023 No. 86

List of some orders of the Ministry of Health of the Republic of Kazakhstan, which are amended and supplemented

1. In [order](#) of the Minister of Health of the Republic of Kazakhstan dated January 30, 2008 No. 27 "On approval of the list of programs of continuous integrated education in clinical specialties" (registered in the Register of State Registration of Normative Legal Acts under No. 5134), the following change should be made:

[the list](#) of programs of continuous integrated education in clinical specialties, approved by the specified order, shall be stated in the following edition:

- "1. Medicine.
2. Pediatrics.
3. Dentistry.
4. Medical and preventive work."

2. To [the order](#) of the Minister of Health of the Republic of Kazakhstan dated July 4, 2022 No. KR DSM-63 "On approval of state compulsory standards for levels of education in the field of healthcare" (registered in the Register of State Registration of Normative Legal Acts under No. 28716), the following changes and additions should be made:

in the state compulsory standard of higher education, approved [by Appendix 3](#) to the said order:

[Paragraph 5](#) shall be amended as follows:

"5. In the list of the cycle, OOD are implemented in full without reducing the volume of disciplines of the compulsory component, the content of which is determined by standard curricula. The exception is reduced educational programs of higher education with an accelerated period of study on the basis of technical and vocational, post-secondary or higher education.

The content of the disciplines "History of Kazakhstan" and "Philosophy" of the OOD cycle is determined by standard curricula.

In order to improve the quality of professional training and take into account the specifics of the areas of training, the OVPO independently changes the content of the disciplines "Foreign Language", "Russian Language", "Information and Communication Technologies", "Physical Education", determined by standard curricula.

OVPO independently changes the content of the discipline "Kazakh language" and the module of socio-political knowledge up to 50%, determined by standard curricula.

OVPO recognizes previously mastered learning outcomes in the academic disciplines of the OOD cycle for persons studying under reduced educational programs on the basis of technical and vocational, post-secondary or higher education.

At the same time, persons studying under reduced educational programs on the basis of technical and vocational, post-secondary education study the discipline "History of Kazakhstan.";

Paragraph 8 shall be amended as follows:

"8. The learning outcomes of the compulsory component of the disciplines of the OOD cycle are determined by the order of the Minister of Science and Higher Education of the Republic of Kazakhstan dated July 20, 2022 No. 2 "On approval of state compulsory standards of higher and postgraduate education" (registered in the Register of State Registration of Normative Legal Acts under No. 28916) .";

Paragraph 11 shall be amended as follows:

"11. The DB cycle for programs of continuous integrated medical education includes the study of academic disciplines and the passage of professional practice and is at least 65 or 95 academic credits from the total program of 300 or 360 credits.

Students of continuous integrated medical education are subject to an assessment of knowledge and skills upon completion of mastering the cycle of basic disciplines, conducted in accordance with the order of the Minister of Health of the Republic of Kazakhstan dated December 11, 2020 No. KP ДCM-249/2020 "On approval of the rules for assessing the knowledge and skills of students, assessing professional preparedness of graduates of educational programs in the field of healthcare and specialists in the field of healthcare" (registered in the Register of State Registration of Normative Legal Acts under No. 21763).";

Paragraph 16 shall be amended as follows:

"16. The training of medical personnel in the internship is carried out within the framework of the concept of dual training under the guidance of qualified teachers with the involvement of mentors from among doctors with at least 5 years of experience on the scientific and practical bases of educational organizations in the field of health according to an individual plan developed on the basis of the requirements for authorized body in the field of healthcare for further professional activities of graduates.

A student in accordance with an individual plan in an internship:

1) supervises patients in organizations providing pre-medical care, emergency medical care, specialized medical care (including high-tech), primary health care, palliative care and medical rehabilitation;

2) participates in the appointment and implementation of diagnostic, therapeutic and preventive measures;

3) conducts documentation and sanitary-educational work among the population;

4) participates in the preparation of reports on the activities of structural units;

5) participates in preventive examinations, medical examinations, attends consultations;

6) participate in the work of professional medical societies;

7) participates in clinical rounds, clinical reviews;

8) participates in duty at least four times a month in medical organizations (duty duty is not taken into account when calculating the workload of an internship student);

9) participates in the work of clinical and clinical-anatomical conferences;

10) is present at pathological and anatomical autopsies, participates in the study of autopsy, biopsy and surgical materials;

11) under the supervision of the supervisor collects material and analyzes data for the master's project.

A student of the educational program "Medical and preventive care" in accordance with an individual plan in an internship:

1) participates in the collection, processing, systematization and documentation of data on the state of health of the population and the human environment, including working with medical information systems;

2) participates in planning and carrying out activities aimed at preventing, reducing, localizing and eliminating outbreaks of diseases and reducing morbidity, including conducting sanitary and educational work among the population;

3) participates in activities to establish the causes and conditions for the emergence and spread of infectious and non-communicable diseases;

4) participates in the implementation of epidemiological control over infectious and parasitic diseases, the resistance of pathogens of infectious diseases to antimicrobial drugs, participates in the monitoring of preventive vaccinations of the population;

5) assesses the indicators of sanitary and epidemiological well-being of objects of the environment and professional activities using special research tools and laboratory methods;

6) participates in the assessment, management and prevention of biological risks in the field of public health of the population and applies modern methods of statistical analysis and assessment of biological threats;

7) participates in the assessment and modeling of the health status of the population;

8) under the supervision of the supervisor, collects material and analyzes data for the master's project.";

Paragraph 19 shall be amended as follows:

"19. The supervisor and the topic of the master's project of the student are approved by the decision of the collegiate governing body (Academic Council, Academic Council, Senate) in accordance with the deadlines approved by the OVPO for each educational program. The student is given a period of at least a year to complete the master's project.";

Paragraph 25 shall be amended as follows:

"25. Persons who have completed training in programs of continuous integrated medical education and successfully passed the final certification are awarded the degree of "Master of Medicine", for graduates of the educational program "Medical and Preventive Business" - "Master of Health", a diploma of postgraduate education is issued with an appendix (transcript) and (or) a pan-European Diploma Supplement (diploma supplement), certificate of completion of an internship with the qualification "Doctor", for graduates of the educational program "Medical and preventive work" - "Doctor-hygienist, epidemiologist.";

Paragraph 45 shall be amended as follows:

"45. The main criterion for the completion of training of educational programs of continuous integrated medical education is the development by the student of the appropriate amount of academic credits for the entire period of study, including the successful completion of the assessment of knowledge and skills upon completion of the development of the cycle of basic disciplines, final certification and all types of educational activities of interlevel integrated programs, according to the structure of educational programs of continuous integrated medical education, provided in the appendix of this standard:

1) for educational programs "Medicine", "Pediatrics", "Dentistry" - at least 360 academic credits;

2) at least 300 academic credits for the educational program "Medical and preventive care.";

add paragraph 46 with the following content:

"46. Upon completion of at least 300 credits in the educational programs of continuous integrated medical education "Medicine", "Dentistry" and "Pediatrics" or at least 240 credits in the educational program "Medical and Preventive Business" for a student who has expressed a desire to work in a specialty that is not related with medical (clinical) practice, upon mastering the learning outcomes of higher education, including all types of activities, upon successfully passing a comprehensive final certification exam (without defending a master's project), provided for by an individual curriculum, an academic degree of a bachelor of health is awarded.

in the state compulsory standard of postgraduate education, approved by Appendix 4 to the said order:

Paragraph 100 shall be amended as follows:

"100. Persons who have completed the Master's educational program and successfully passed the final certification are awarded the degree of "Master of Medical Sciences" or "Master of Health" in the educational program "code and name of the educational program" and are issued a diploma of postgraduate education with an appendix (transcript) for free.

Persons who have completed training under the programs of continuous integrated medical education and successfully passed the final certification are awarded the degree of "Master of Medicine", for graduates of the educational program "Medical and Preventive Business" - "Master of Health" and a diploma of postgraduate education is issued with an appendix (transcript) and (or) a pan-European Diploma Supplement (Diploma Supplement), certificate of completion of an internship with the qualification "Doctor", for graduates of the educational program "Medical and preventive work" - "Doctor-hygienist, epidemiologist.";

the appendix to the state compulsory standard of higher education in the field of health care shall be stated in a new edition in accordance with appendix 1 to this order.

3. To the order of the Minister of Health of the Republic of Kazakhstan dated January 9, 2023 No. 4 "On approval of standard curricula in medical and pharmaceutical specialties" (registered in the Register of State Registration of Normative Legal Acts under No. 31672), the following changes should be made:

in standard curricula of higher education in medical and pharmaceutical specialties in accordance with Appendix 3 to this order:

Paragraph 27 shall be amended as follows:

"27. Planning and organization of educational activities are carried out on the basis of standard curricula and learning outcomes in the relevant specialty in accordance with Annexes 7 , 8 , 9 , 10 to this Program.";

appendix 7 to the model curriculum of higher education in medical and pharmaceutical specialties to state in a new edition in accordance with appendix 2 to this order;

add Appendix 10 to the standard curriculum of higher education in medical and pharmaceutical specialties in accordance with Appendix 3 to this order.

Annex 1 to the order of
the Acting
Minister of Health
of the Republic of Kazakhstan
dated May 24, 2023 No. 86
Appendix
to the state
compulsory standard
of higher education in the field
of health

Requirements for the volume of the teaching load of the higher education program in the field of study "Healthcare"

No.	Name of cycles and disciplines	General labor intensity			
		nursing		Pharmacy, Public Health	
		in academic hours	in academic credits	in academic hours	in academic credits
1	2	3	4	5	6
1	Cycle of general education disciplines (OOD)	1680	56	1680	56
1)	Required Component	1530	51	1530	51
	History of Kazakhstan	150	5	150	5
	Philosophy	150	5	150	5
	Foreign language	300	10	300	10
	Kazakh (Russian) language	300	10	300	10
	Information and Communication Technologies (in English)	150	5	150	5
	Module of socio-political knowledge (sociology, political science, cultural studies, psychology)	240	8	240	8
	Physical Culture	240	8	240	8
2)	University component and (or) elective component	150	5	150	5
2	Cycle of basic disciplines (DB)	at least 330	at least 110	at least 4200	at least 140

1)	University component and (or) elective component				
2)	professional practice				
3	Cycle of major disciplines (PD)	at least 1950	at least 65	at least 2850	at least 95
1)	University component and (or) elective component				
2)	professional practice				
4	Additional types of training (VET)				
1)	Component of choice				
5	final examination	at least 120	at least 4	at least 120	at least 4
1)	Preparing and passing a comprehensive exam				
	Total	at least 7200	at least 240	at least 9000	at least 300

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Requirements for the volume of teaching load of programs of continuous integrated medical education

No. p / p	Name of cycles of disciplines and activities	General labor intensity			
		Medical and preventive business		Medicine, Pediatrics, Dentistry	
		in academic hours	in academic credits	in academic hours	in academic credits
1	2	3	4	5	6
1	Cycle of general education disciplines (OOD)	1680	56	1680	56
1)	Required Component	1530	51	1530	51
	History of Kazakhstan	150	5	150	5
	Philosophy	150	5	150	5
	Foreign language	300	10	300	10
	Kazakh (Russian) language	300	10	300	10
	Information and Communication Technologies (in English)	150	5	150	5

	Module of socio-political knowledge (sociology, political science, cultural studies, psychology)	240	8	240	8
	Physical Culture	240	8	240	8
2)	University component and (or) elective component	150	5	150	5
2	Cycle of basic disciplines (DB)	at least 1950	at least 65	at least 2850	at least 95
1)	University component and (or) elective component				
	including: Foreign language (professional) Management Management psychology	180	6	180	6
2)	professional practice				
3	Cycle of major disciplines (PD)	at least 3600	at least 120	at least 4500	at least 150
1)	University component and (or) elective component				
2)	professional practice				
3)	Internship	at least 900	at least 30	at least 900	at least 30
4	Additional types of training (VET)				
1)	Component of choice				
5	Experimental research work (ER)	390	13	390	13
6	final examination	at least 360	at least 12	at least 360	at least 12
1)	Writing, defending a master's project and preparing, passing a comprehensive exam	360	12	360	12
	Total	at least 9000	at least 300	at least 10800	at least 360

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Annex 2 to the order
of the Acting
Minister of Health
of the Republic of Kazakhstan
dated May 24, 2023 No. 86

Structure of the Model Curriculum for Continuous Integrated Medical Education

The degree awarded upon completion of training in the educational programs
"Medicine", "Pediatrics", "Dentistry" - Master of Medicine.

The degree awarded upon completion of training in the educational program

"Medical and Preventive Business" is Master of Health.

Assigned qualification upon completion of training:

for educational programs "Medicine", "Pediatrics", "Dentistry" - "Doctor";

according to the educational program "Medical and preventive business" - "Doctor-hygienist, epidemiologist"

No. p / p	Name of cycles of disciplines and activities	General labor intensity			
		"Medical and preventive work"		"Medicine", "Pediatrics", "Dentistry"	
		in academic hours	in loans	in academic hours	in loans
1	Cycle general education disciplines	1680	56	1680	56
1)	Required Component	1530	51	1530	51
	History of Kazakhstan	150	5	150	5
	Philosophy	150	5	150	5
	Foreign language	300	10	300	10
	Kazakh (Russian) language	300	10	300	10
	Information and Communication Technologies (in English)	150	5	150	5
	Module of socio-political knowledge (sociology, political science, cultural studies, psychology)	240	8	240	8
	Physical Culture	240	8	240	8
2)	University component and (or) elective component	150	5	150	5
2	Cycle of basic disciplines	at least 1950	at least 65	at least 2850	at least 95
1)	University component and (or) elective component				
	including: Foreign language (professional) Management Management psychology	180	6	180	6

2)	professional practice				
3	Cycle of major disciplines	at least 3600	at least 120	at least 4500	at least 150
1)	University component and (or) elective component				
2)	professional practice				
3)	Internship	at least 900	at least 30	at least 900	at least 30
4	Additional types of training				
5	Experimental research work of a master student	390	13	390	13
5.1.	Experimental research work of a master student, including an internship and a master's project				
6	final examination	at least 360	at least 12	at least 360	at least 12
1)	Writing and defending a master's project	240	8	240	8
2)	Preparing and passing a comprehensive exam	120	4	120	4
	Total	at least 9000	at least 300	at least 10800	at least 360

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Appendix 3 to the order of
the Acting
Minister of Health
of the Republic of Kazakhstan
dated May 24, 2023 No. 86
Annex 10
to the model curriculum
of higher education
in medical and pharmaceutical
specialties

List of competencies and learning outcomes of the program "Medical and preventive care"

Competence	Learning Outcomes
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Assessment and analysis	<p>A. Identify problems that threaten the sanitary and epidemiological well-being of the population:</p> <ol style="list-style-type: none"> 1. Use critical thinking to identify a public health problem/threat; 2. Assess the scale of the problem and determine the further necessary actions, their algorithm based on evidence-based data and the specifics of the current situation; 3. Collaborate with peers inside and outside the organization to assess or identify a problem. <p>B. Conduct surveillance activities:</p> <ol style="list-style-type: none"> 1. Develop surveillance activities for specific cases, public health risks and threats; 2. Determine the need for the necessary data for surveillance; 3. Be able to draw conclusions based on the data obtained and the work done; 5. Evaluate the effectiveness of surveillance (or individual surveillance activities); <p>C. Investigate acute and chronic conditions or other adverse outcomes in the population:</p> <ol style="list-style-type: none"> 1. Conduct population health assessments; 2. Prioritize in addressing existing threats; 3. Select and apply adequate methods for studying, investigating the state of public health; 4. Put forward hypotheses; 5. Assist in the development of an investigation (eg disease investigations, investigations or screening programs). <p>D. Apply the principles of good ethical practice regarding the research, collection, dissemination and use of data:</p> <ol style="list-style-type: none"> 1. Follow ethical standards and principles when planning, conducting, collecting, disseminating and using data; 2. Apply relevant legislation in data collection and management; 3. Apply ethical standards in public health research; 4. Interact with the local, national Commission on Bioethics; 5. Understand and be able to resolve conflicts of interest; 6. Apply regulatory legal acts relating to privacy, its confidentiality, the right to health, and the responsibility of the parties. <p>E. Managing data from surveillance, investigations or other sources:</p> <ol style="list-style-type: none"> 1. Develop database requirements; 2. Work with databases. <p>F. Analysis of epidemiological investigation data:</p> <ol style="list-style-type: none"> 1. Create a data analysis plan; 2. Conduct data analysis. <p>G. Summarize the results of the analysis and draw conclusions:</p> <ol style="list-style-type: none"> 1. Apply knowledge of epidemiological principles and methods to develop recommendations; 2. Determine the need for special analysis, including survival analysis, cost-benefit/economic-benefit/economic-utility analysis; 3. Draw conclusions about the work done, including being able to highlight key points. <p>H. Recommend specific evidence-based interventions and control measures based on epidemiological data and setting:</p> <ol style="list-style-type: none"> 1. Consider cultural/social/political context for developing recommendations or interventions; 2. Use scientific evidence when recommending actions or interventions.
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Scientific and practical basis of public health	<p>A. Use current knowledge of disease causation for disease practice and management:</p> <ol style="list-style-type: none">1. Correlate the major etiological processes of human disease with subject areas of interest (eg, infectious diseases, chronic diseases);2. Apply knowledge of human and environmental biology as well as behavioral sciences and principles to identify potential disease mechanisms;3. Apply the principles of the host/agent/environment model to causation, disease prevention and control;4. Describe the role and impact of sociobehavioral determinants (including societal, political, social, family and individual) of health and its maintenance;5. Incorporate etiological principles into the development of disease prevention and control strategies. <p>B. Use laboratory methods and resources for epidemiological interventions:</p> <ol style="list-style-type: none">1. Interpret laboratory data in terms of factors that affect the results of screening and diagnostic tests;2. Define the roles and capabilities of laboratories related to the sanitary and epidemiological welfare of the population, as they are used in epidemiological studies;3. Plan and coordinate laboratory and epidemiological activities, including sampling, communication;4. Take the necessary measures for the collection, storage and transportation of samples. <p>C. Assess indicators of sanitary and epidemiological well-being of objects of habitat and professional activity:</p> <ol style="list-style-type: none">1. Assess the hygienic and epidemiological state of the environment, workplaces, atmospheric air, soil, water and food products;2. Evaluate indicators of the physical development of children and adolescents, develop and conduct recreational activities;3. To carry out dosimetric control and the main set of measures to organize the radiation safety of the population. <p>D. Apply information technology, including data collection, processing and analysis for epidemiological practice:</p> <ol style="list-style-type: none">1. Use software tools that support search, data collection, input, abstraction, management, analysis, planning, visualization and reporting;2. Apply procedures and technical means (security) to ensure the integrity and protection of confidential information in electronic systems;3. Compile data from various sources to create new information for public health decision making;4. Understand the principles of modeling epidemic and other processes using modern technologies.
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Communications	<p>A. Be able to convey, transmit and present the necessary information to the target audience:</p> <ol style="list-style-type: none"> 1. Determine the target audience, methods and content for informing about the work done or planned; 2. To bring information about the events held to a professional audience through written and oral communication tools; 3. Communicate epidemiological information to the general public, the media and/or policy makers through written and oral communication tools; 4. Adapt the content of the disseminated information, its volume, frequency of dissemination, depending on the situation; 5. Participate in the development of risk messages that pose a threat to public health; 6. Respond to public inquiries about epidemiological data or the situation; 7. Be able to explain or teach the basic principles of sanitary and epidemiological well-being to non-epidemiologists or colleagues from a lower level; 8. Be able to identify risks in communication with colleagues and the public. <p>B. Use interpersonal skills with colleagues and the public:</p> <ol style="list-style-type: none"> 1. Demonstrate the ability to listen effectively, especially when presenting public health data; 2. Demonstrate professional interpersonal, interdisciplinary, transdisciplinary and multidisciplinary communication. <p>C. Use effective communication technologies:</p> <ol style="list-style-type: none"> 1. Participate in the selection of communication channels and determine their interface; 2. Apply a policy that takes into account security, confidentiality and legal considerations when transmitting information via e-mail, alert networks, databases, etc.; 3. Use effective educational, behavioral methods and tools to promote public health (eg through community education, behavior modification, participatory policy development, advocacy and community mobilization).
Social significance and interaction for practice	<p>A. Provide input to epidemiological research, public health programs and public health planning processes at the national, regional and population levels:</p> <ol style="list-style-type: none"> 1. Use population information in designing, interpreting and conducting epidemiological studies; 2. Contribute to the assessment of the local public health system from the standpoint of sanitary and epidemiological well-being in order to help in the planning of the health system at the national, regional levels. <p>B. Engage in developing community partnerships to support epidemiological research:</p> <ol style="list-style-type: none"> 1. Identify partners and stakeholders needed for epidemiological investigation; 2. Use strategies of participation, engagement to achieve socially significant results, when planning, conducting and evaluating epidemiological studies; 3. Explain the roles of partners and stakeholders in an epidemiological investigation; 4. Participate in the development of epidemiological studies, taking into account the views of the target groups.

Management of professional activities (current, strategic planning and leadership)	<p>A. Manage activities in professional activities:</p> <ol style="list-style-type: none"> 1. Set goals and objectives; 2. Clearly communicate the requirements to the performers; 3. Make a schedule for completing tasks; 4. Form a team, analyze the need for human and other resources to achieve goals; 5. Evaluate the performance of team members as they perform their duties; 6. Keep accurate records. <p>B. Understand and take into account financial aspects when planning activities and scope of work:</p> <ol style="list-style-type: none"> 1. Know the financial rules of the organization and budgeting; 2. Estimate the resources needed to complete the tasks of the operational plan, including personnel, equipment, consumables and travel expenses; 3. Monitor and evaluate costs that may arise from unexpected epidemiological activities such as operational investigations and emergency response; 4. Adjust activities as necessary to stay within a certain budget; 5. Train team members as needed in the performance of their duties.
Leadership and Systems Thinking	<p>A. Support and promote the importance of the sanitary and epidemiological well-being of the population in the health sector:</p> <ol style="list-style-type: none"> 1. Promote the vision of the organization in all programs and activities; 2. Assist in strategic planning; 3. Propose and implement changes; 4. Use performance indicators to assess and improve the quality of the epidemiological service; 5. Demonstrate ethical behavior in everyday life and professional activities. <p>B. Facilitate the development of human resources:</p> <ol style="list-style-type: none"> 1. Organize a team with the skills necessary to carry out epidemiological activities at the proper level; 2. Encourage continuing education; 3. Motivate the team for the quality performance of their duties and professional development. <p>C. Prepare for emergency response:</p> <ol style="list-style-type: none"> 1. Keep an epidemiological perspective in mind when developing an emergency response plan; 2. Participate in emergency response planning for the epidemiological unit; 3. Respond to public health emergencies.
Influence on health policy	<p>A. Bring an epidemiological perspective to the development and analysis of public health policy:</p> <ol style="list-style-type: none"> 1. Demonstrate an understanding of public health policy; 2. Participate in the development of policies related to sanitary and epidemiological welfare; 3. Influence the transformation of public health policy through professional activities and research; 4. Adhere to the rules and laws applicable to public officials and sources of funding, including on the problem of lobbying certain interests.

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The content of the standard curriculum for the specialty "Medical and preventive care"

No.	Cycles and disciplines	Basic content
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		<p>population. Accounting and reporting documentation. Internal organization and management function. Purpose and tasks of management. Current regulations in the field of occupational health, hygiene of children and adolescents, food hygiene and communal hygiene.</p> <p>The role and legislation of state sanitary and epidemiological surveillance in the protection and promotion of public health. Scheme of sanitary and epidemiological inspection of food enterprises. Sanitary control of food enterprises. Food standardization, its hygienic and legal significance. Objects, types, methods and tasks of hygienic research. Disability as a social and legal category.</p>
2.	Cycle of major disciplines	<p>Safety and labor protection. Features of labor regulation of certain categories of the population. Normative-legal acts in the field of occupational medicine. Evaluation of the data of sanitary and laboratory control of environmental objects. Methods of studying, assessing the state of health, physical development of the population. Hygiene of educational activities, physical education of children and adolescents. State control and supervision in the field of healthcare.</p> <p>Sanitary and preventive, anti-epidemic measures, including forms and methods of epidemiological investigations. Algorithm for investigating the increase in cases of communicable and non-communicable diseases. Organization of work in the department of sanitary and epidemiological control. Analysis of problems in the field of sanitary and epidemiological welfare of the population. Scheme of sanitary and epidemiological inspection of food enterprises. Sanitary control of food enterprises. Labor hygiene. Occupational risk assessment. Individual protection means. Certification of workplaces according to working conditions. Hygienic fundamentals of design, construction and requirements for improvement, equipment of institutions. Sanitary and epidemiological requirements for communal facilities.</p>

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Note:

**Levels of mastering practical skills

Practical skills in the program "Medical and preventive work"

No.	Scroll	Mastering rate**
1.	Determine the determinants of the health of an individual and population, problems and threats to sanitary and epidemiological well-being.	Be able to
2.	Own methods of assessing and studying the health of the population. Organize and implement anti-epidemic and preventive measures.	Conduct under the guidance of a mentor

3.	Manage the data obtained as a result of the developed and carried out activities, use them for scientific and practical purposes.	Organize and conduct under the supervision of a mentor
	Own methods for assessing the quality of water, soil, air, microclimate parameters, lighting, heating and ventilation in residential, public and industrial premises, recommend measures for their organization.	Independently apply and own
4.	Organize epidemiological control and surveillance of infectious and non-infectious diseases, the state of environmental objects. Support and promote the importance of the sanitary and epidemiological welfare of the population.	Organize and analyze

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