



Ministry of Health of the Russian Federation

**Federal State Budgetary Educational Institution of  
Higher Education  
North-Western State Medical University named after I. I. Mechnikov  
under the Ministry of Health of the Russian Federation**

(FSBEI HE NWSMU n.a. I. I. Mechnikov under the Ministry of Health of the Russian Federation)

ACCEPTED BY  
the Academic Board  
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APPROVED BY  
the Rector  
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under the Ministry of Health of the Russian  
Federation  
Sayanov S.A./  
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**MAIN PROFESSIONAL EDUCATIONAL PROGRAMME OF HIGHER EDUCATION –  
SPECIALIST'S PROGRAMME**




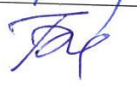









**MD course/Specialty**  
31.05.01 General Medicine

**Area of specialization**  
Organization and delivery of primary medical care to the adult population in healthcare institutions

Saint-Petersburg – 2021

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on development of the main professional educational programme of higher education – specialist's programme (MD course) 31.05.01 General Medicine

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## **I. GENERAL PROVISIONS**

### **1.1. Legal documents:**

Federal Law «On education in the Russian Federation» dated 29.12.2012 No. 273-ФЗ;

Federal Law of July 31, 2020 No. 304-FZ "On Amendments to the Federal Law" On Education in the Russian Federation "on the Education of Students";

Federal State Educational Standard of Higher Education in the specialty 31.05.01. General Medicine approved by the order of the Ministry of Science and Higher Education of the Russian Federation dated 12.08.2020. No. 988;

Professional standard “Medical doctor (district general practitioner)” approved by the order of the Ministry of Labor and Social Protection of the Russian Federation dated 21.03.2017 No.293Н;

Procedure for the organization and implementation of educational activities in higher education educational programmes – bachelor’s programmes, specialist’s programmes, master's programmes, approved by the order of the Ministry of Education and Science of the Russian Federation dated 05.04.2017 No.301;

Procedure for conducting State Final Certification on higher educational programmes – bachelor’s programmes, specialist’s programmes, master's programmes, approved by the order of the Ministry of Education and Science of the Russian Federation dated 29.06.2015 No. 636;

Procedure for organizing and conducting practical training of students in professional educational programmes of medical education, pharmaceutical education, approved by the order of the Ministry of Health of the Russian Federation dated 03.09.2013 No. 620Н;

Lists of specialties and areas of higher education training, approved by the order of the Ministry of Education and Science of the Russian Federation dated 12.09.2013 No. 1061;

The Charter of the Federal State Budgetary Educational Institution of Higher Education «North-Western State Medical University named after I.I. Mechnikov» under the Ministry of Health of the Russian Federation, approved by the order of the Ministry of Health of the Russian Federation dated 30.12.2015 No. 1028.

## II. CHARACTERISTICS OF THE PROFESSIONAL ACTIVITY OF GRADUATES

### 2.1. General description of the graduates' professional activity:

Areas of professional activity and spheres of professional activity, in which graduates who have mastered the specialist's programme may carry out professional activity:

02 Healthcare (in the sphere of providing primary medical care to the population in medical organizations: polyclinics, outpatient clinics, inpatient and polyclinic institutions of municipal health care system and medical and preventive institutions providing primary medical care to the population);

07 Administrative, managerial and office activities (in the field of health care organizations):

Graduates may carry out professional activities in other fields of professional activity and/or fields of professional activity, provided that their level of education and acquired competences correspond to the qualification requirements of the employee.

### 2.2. Types of the graduates' professional activity tasks:

- medical;
- organizational and managerial.

### 2.3. Tasks of the graduates' professional activity:

A graduate who has mastered the programme should be prepared to solve the following professional tasks structured according to the types of professional tasks:

*medical:*

- preventing the occurrence of diseases among the population by carrying out preventive measures;
- conducting preventive medical examinations/check-ups;
- clinical observation;
- diagnosis of diseases and pathological conditions of patients;
- diagnosis and emergency care;
- conducting expertise for temporary disability and taking part in other types of medical expertise;
- provision of primary medical care in outpatient settings;
- provision of primary medical care for sudden acute diseases or acute exacerbation of chronic diseases that are not life-threatening and do not require emergency medical assistance;
- medical care in emergency situations, including participation in medical evacuations;
- participation in medical rehabilitation;
- motivation of the population, patients and their families to preserve and strengthen their health and the health of those around them;

*organizational and managerial:*

- application of the basic principles of organizing medical care in medical institutions and their structural units;
- keeping medical records in medical institutions, including electronic records;
- conducting collection and medical and statistical analysis of information on health indicators of the population of different age and gender groups, characterizing their health status;
- organization of medical expertise;
- participation in the organization of quality assessment of medical care provided to patients.

### 2.4. Objects of the graduates' professional activity or field (fields) of knowledge:

- individuals (patients);
- population;
- a set of means and technologies aimed at creating conditions for the protection of citizens' health.

2.5. List of professional standards:

Professional standard “Medical doctor (district general practitioner)” approved by the order of the Ministry of Labor and Social Protection of the Russian Federation dated 21.03.2017 No.293H;

Comparison of professional tasks of the educational programme and generalized labour functions, labour functions of the professional standard.

Tasks of the professional activity of graduates	Generalized labour functions			Code and name of the labour function
	code	name	qualification level	
-preventing the occurrence of diseases among the population by carrying out preventive measures; -conducting preventive medical examinations/check-ups, clinical observation; -diagnosis of diseases and pathological conditions of patients; -diagnosis and emergency care; -conducting expertise for temporary disability and taking part in other types of medical expertise; -provision of primary medical care in outpatient settings; -provision of primary medical care for sudden acute diseases or acute exacerbation of chronic diseases that are not life-threatening and do not require emergency medical assistance; -medical care in	A	Provision of primary medical care to the adult population in outpatient settings that do not involve 24-hour medical observation and treatment, including at home when a health worker is called in	7	A/01/7– Providing medical care to a patient in an emergency or urgent cases A/02.7– Examination of a patient in order to determine the diagnosis A/03.7– Prescribing treatment and monitoring its effectiveness A/04.7– Implementation and monitoring of the effectiveness of medical rehabilitation of a patient, including the implementation of individual rehabilitation or habilitation programmes for persons with disabilities, assessment of the patient's ability to work.

<p>emergency situations, including participation in medical evacuations;</p> <p>-participation in medical rehabilitation;</p> <p>-motivation of the population, patients and their families to preserve and strengthen their health and the health of those around them;</p>				
<p>-application of the basic principles of organising medical care in medical institutions and their structural units;</p> <p>-keeping medical records in medical institutions, including electronic records;</p> <p>-conducting collection and medical and statistical analysis of information on health indicators of the population of different age and gender groups, characterizing their health status;</p> <p>-organization of medical expertise;</p> <p>-participation in the organization of quality assessment of medical care provided to patients.</p>	A	<p>Provision of primary medical care to the adult population in outpatient settings that do not involve 24-hour medical observation and treatment, including at home when a health worker is called in</p>	7	<p>A/05.7– Conducting and monitoring the effectiveness of preventive and health promotion and health education activities</p> <p>A/06.7– Keeping medical records and organization of the activities of the nursing staff</p>



### III. GENERAL CHARACTERISTICS OF THE EDUCATIONAL PROGRAMME

3.1. The focus (specialization) of the educational programme specifies the content of specialist programme in 31.05.01 General Medicine by adjusting it to the types of tasks and tasks of professional activity of graduates: organization and provision of primary medical care to the adult population in medical organizations.

3.2. Qualification awarded to graduates of the educational programme: Medical Doctor.

3.3. Scope of the educational programme – 360 credit units.

3.4. Form of training: full-time.

3.5. Period of education: 6 years

full-time form of training - 6 years;

in case of study on an individual curriculum for disabled persons and persons with disabilities, the period of education may be increased on their application for not more than 1 year.

3.6. Language of the educational programme: English.

3.7. Use of network form of implementation of the educational programme: no

3.8. Use of e-learning: no\*.

3.9. Use of distance learning technologies: no\*.

3.10. Adaptation of the educational programme for disabled persons and persons with disabilities: no\*\*.

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\* In the event of a threat and/or occurrence of certain emergencies, the imposition of emergency situation in the entire territory of the Russian Federation or part thereof, the educational programme is implemented using electronic learning, distance learning technologies, regardless of the restrictions stipulated in the federal state educational standard, if the implementation of the educational programme and the final state certification without the use of these technologies and the transfer of the study period are impossible (Part 17 of Article 108 of Federal Law № 273 dated 29.12.2012 "On education in the Russian Federation", as amended from 08.06.2020 №164-ФЗ).

\*\* The training of disabled persons and individuals with disabilities according to an educational program that takes into account the characteristics of their psychophysical development, individual capabilities and, if necessary, ensures the correction of developmental disorders and social adaptation of these individuals, is carried out upon their application.

#### IV. THE EXPECTED RESULTS OF THE EDUCATIONAL PROGRAMME

4.1. As a result of mastering the educational programme, graduates should develop general, professional and vocational competencies (Appendix 4.1. Competency matrix, Appendix 4.2. Stages of graduates' competencies development)

4.2. General competencies of graduates and indicators of their achievement:

Name of category (group) of general competencies	Code and name of the general competence of a graduate	Code and name of the indicator of achievement of the general competence
Systems and critical thinking	УК-1 Ability to critically analyse problematic situations with a systematic approach, to develop a strategy of action	ИД-1 ук-11 Analyze the problem situation as a system, identifying its components and the connections between them ИД-2 ук-12 Identify gaps in information needed to address the problem situation and designs processes to eliminate them ИД-3 ук- 13 Critically assess the reliability of information sources, work with contradictory information from different sources ИД-4 ук-14 Develop and provide meaningful arguments for a problem-solving strategy based on systemic and interdisciplinary approaches ИД-5 ук-15 Identify and assess the practical implications of possible solutions and challenges
Project development and implementation	УК-2 Ability to manage the project through all stages of its cycle	ИД-1 ук-2.1 Compose, a project objective based on the problem and its solution through the implementation of project management ИД-2 ук-2.2 Develop a project concept within the framework of the identified problem: formulate the goal, objectives, justify the relevance, significance, expected results and possible areas of application ИД-3 ук-2.3 Develop a project implementation plan using planning tools ИД-4 ук-2.4 Monitor the progress of the project, correct deviations, make additional changes to the project plan ИД-5 ук 2.5 Present the intermediate or final results of the project, suggest how they can be used or improved
Teamwork and leadership	УК-3 Ability to organize and lead a team, developing a team strategy to achieve the goal	ИД-1 ук 3.1 Develop a teamwork strategy to achieve the goal ИД-2 ук 3.2 Organize and adjust teamwork, including on the basis of collegial decisions; allocate tasks and delegates authority to team members; accepts responsibility for the overall result ИД-3 ук 3.3 Resolve conflicts and contradictions within the team based on the interests of all parties

		ИД-4 ук 3.4 Organize discussions on a given topic and discuss the results of the team's work with the involvement of opponents
Communication	УК-4 Ability to use modern communication technologies, including in foreign language(s), for academic and professional interaction	ИД-4 ук4.1 Establish contact and develop professional communication in the national language or foreign language(s) sufficiently for academic and professional interaction ИД-2 ук 4.2 Apply modern communication technologies to academic and professional interaction ИД-3 ук 4.3 Compose, translate and edit a variety of academic and professional texts
Intercultural interaction	УК-5 Ability to analyze and take into account the diversity of cultures in intercultural interaction	ИД-1 ук 5.1 Analyze and interpret the most important ideological and value systems in the context of world historical development ИД-2 ук-5.2 Form social and professional interaction taking into account intercultural features ИД-3 ук-5.3 Form a tolerant interaction environment in the execution of professional tasks
Self-management and self-development (including health promotion)	УК-6 Ability to identify and implement priorities for own activities and ways to improve them based on self-assessment and lifelong learning	ИД-1 ук-6.1 Assess own resources and their limits (personal, situational, temporal) and use them optimally for successful accomplishment of professional tasks ИД-2 ук-6.2 Identify learning needs and ways to improve own performance based on self-assessment ИД-3 ук -6.3 Construct an educational trajectory for professional development
Self-organisation and self-development (including health promotion)	УК-7. Ability to maintain an adequate level of physical fitness to ensure proper social and occupational performance	ИД-1 ук-7.1. Apply the principles of physical education to increase the body's adaptive reserves and health promotion ИД-2 ук-7.2 Choose health saving technologies to maintain a healthy lifestyle, taking into account the physiological characteristics of the body ИД-3 ук-7.3. Plan working and leisure time for an optimum combination of physical and mental activity and performance ИД-4 ук-7.4. Adhere to healthy lifestyle in different life situations and in own professional activities
Life safety	УК-8. Ability to create and maintain safe living conditions in everyday life and in professional activities to preserve the natural environment, ensure	ИД-1 ук-8.1. Identify hazards in the environment (technical equipment, technological processes, materials, hazardous chemicals, buildings and facilities, natural and social phenomena). ИД-2 ук-8.2. Identify hazardous and harmful factors in everyday life and professional activities ИД-3 ук-8.3. Follow and explain the rules of conduct in emergencies of natural and technogenic origin ИД-4 ук-8.4. Participate in rescue and emergency operations

	sustainable development of society, as well as in case of emergencies and military conflicts	in cases of emergency or military conflicts ИД-5 УК-8.5. Provide first aid
Inclusive competence	УК-9. Ability to use basic defectological knowledge in social and professional spheres	ИД-1 УК-9.1. Apply basic defectological knowledge in social and professional spheres ИД-2 УК-9.2. Plan and implement professional activity with persons with disabilities
Economic culture, including financial literacy	УК-10. Ability to make reasonable economic decisions in different areas of life	ИД-1 УК-10.1. Have basic economic knowledge ИД-2 УК-10.2. Make reasonable economic decisions in the field of public health
Civic responsibility	УК-11. Ability to develop a intolerant attitude towards corrupt conduct	ИД-1 УК-11.1. Have a formed civic responsibility and intolerant attitude towards corrupt conduct ИД-2 УК-11.2. Apply anti-corruption measures in daily activities within the applicable law

4.3. General professional competencies of graduates and indicators of their achievement:

Name of category (group) of general professional competencies	Code and name of the general professional competence	Code and name of the indicator of achievement of the general professional competence
Ethical and legal foundations of the professional activity	ОПК-1. Ability to implement moral and legal standards, ethical and deontological principles in the professional activity	ИД-1 ОПК-1.1. Respect moral norms, ethical and deontological principles of conduct in professional activities. ИД-2 ОПК-1.2. The doctor-patient interaction is carried out in accordance with ethical and deontological standards. ИД-3 ОПК-1.3. Carry out professional activities in accordance with the applicable legal regulations.
Healthy lifestyle	ОПК-2. Ability to carry out and monitor the effectiveness of prevention, health promotion and hygiene education measures	ИД-1 ОПК-2.1. Develop methodological materials for discussions and classes on healthy lifestyle, nutrition, occupational and personal hygiene with various audiences. ИД-2 ОПК-2.2. Organize discussions and classes on healthy lifestyle, nutrition, occupational and personal hygiene with various audiences. ИД-3 ОПК-2.3. Develop plans and monitor the effectiveness of measures to prevent diseases and injuries and to promote healthy lifestyle.
	ОПК-3. Ability to counteract the use of doping in sport	ИД-1 ОПК-3.1. Comply with the requirements of the Russian Federation legislation on preventing and combating doping in sport ИД-2 ОПК-3.2. Provide medical assistance to athletes in

		accordance with the requirements of anti-doping in sport
Diagnostic instrumental examination methods	ОПК-4. Ability to use medical devices as prescribed in the medical care procedure and to carry out patient examinations in order to establish a diagnosis	ИД-1 ОПК-4.1. Use medical devices in diagnostic examinations as stipulated in medical care procedures ИД-2 ОПК-4.2. Apply diagnostic methods, including instrumental methods, when examining a patient in order to establish a diagnosis ИД-3 ОПК-4.3. Verify the diagnosis using laboratory, instrumental, specialized examination methods and consultancy reports from specialty doctors. ИД-4 ОПК-4.4. Reasonably use medical devices for diagnostic tasks
Etiology and pathogenesis	ОПК-5. Ability to assess morphofunctional, physiological conditions and pathological processes in the human body in order to solve professional problems	ИД-1 ОПК-5.1. Assess the patient's degree of functional activity and independence in self-care, mobility and communication ИД-2 ОПК-5.2. Determine and interpret the patient's vital signs upon monitoring in dynamics ИД-3 ОПК-5.3. Determine the essential indicators of the physical development and functional status of the patient, taking into account the anatomical and physiological characteristics of the patient's age
Primary medical care	ОПК-6. Ability to organize patient care, provide primary medical care, organize work and professional decision-making in pre-hospital urgent care, emergencies, epidemics and mass casualty areas	ИД-1 ОПК-6.1. Organize pre-hospital care for people who are ill or injured ИД-2 ОПК-6.2. Provide primary medical care in the pre-hospital stage, including emergencies, epidemics and mass casualty areas ИД-3 ОПК-6.3. Provide organization of work and professional decision-making in emergency conditions, epidemics and mass casualty areas
Treatment of diseases and conditions	ОПК-7. Ability to prescribe treatment and monitor its effectiveness and safety	ИД-1 ОПК-7.1. Prescribe a therapeutic regime and choose the place and type of treatment according to the severity of the patient's condition ИД-2 ОПК-7.2. Select medications, a particular dosage form, ways of administration, as well as rational medication substitution based on the patient's condition ИД-3 ОПК-7.3. Predict and prevent side effects of medications ИД-4 ОПК-7.4. Monitor the effectiveness and safety of the prescribed treatment at all stages
Medical rehabilitation	ОПК-8. Ability to implement and monitor the effectiveness of medical rehabilitation of a patient, including the implementation of individual rehabilitation and habilitation programmes for persons with disabilities, to assess the patient's ability to work	ИД-1 ОПК-8.1. Implement medical rehabilitation measures, including the implementation of individual rehabilitation and habilitation programmes for persons with disabilities as part of primary medical care ИД-2 ОПК-8.2. Monitor the effectiveness of rehabilitation measures and prognosis, including the implementation of individual rehabilitation and habilitation programmes for persons with disabilities as part of primary medical care ИД-3 ОПК-8.3. Assess the patient's ability to perform work activities depending on the degree of functional impairment

Quality management	ОПК-9. Ability to implement the principles of quality management in professional activities	ИД-1 ОПК-9.1. Implement the principles of quality management in professional activities ИД-2 ОПК-9.2. Analyze and critically assess the quality of professional activities according to given indicators ИД-3 ОПК-9.3. Develop an action plan based on a review of clinical guidelines to achieve appropriate quality in professional activities
Information literacy	ОПК-10. Ability to solve standard professional tasks using information, bibliography resources, medical and biological terminology, information and communication technologies, taking into account basic information security requirements	ИД-1 ОПК-10.1. Perform standard professional tasks according to basic information security requirements ИД-2 ОПК-10.2. Use medical and biological terminology, information and communication technologies, including physiological, mathematical (or other) concepts and research methods for solving standard professional tasks ИД-3 ОПК-10.3. Apply basic concepts of physics and chemistry, as well as research methods, to solve professional tasks ИД-4 ОПК-10.4. Apply information, bibliography resources, methods of processing text and graphic information; search for information on the Internet to solve standard professional tasks ИД-5 ОПК-10.5. Keep confidentiality when working with patient information databases
Research and organizational activities	ОПК-11. Ability to prepare and apply scientific, scientific-production, project, organizational and managerial, and regulatory documentation in the health care system	ИД-1 ОПК-11.1. Participate in development of scientific, scientific-production, project, organizational and managerial, and regulatory documentation in accordance with the field of professional activity (professional tasks) and current requirements to their registration in the health care system ИД-2 ОПК-11.2. Apply scientific, scientific-production, project, organizational and managerial, and regulatory documentation within the professional activity

#### 4.4. Professional competencies of graduates and indicators of their achievement:

Professional task	Objects or field of knowledge	Code and name of the professional competence	Code and name of the indicator of achievement of the professional competence	Basis (prof. standard, analysis of other requirements to graduates)
<b>Type of professional tasks: medical</b>				
- Diagnosis of critical conditions; - medical care in emergency situations, including participation in medical evacuations; - provision of primary medical care for sudden acute diseases or acute	individuals (patients); population	ПК-1 Ability to organize and provide medical care to patients in an emergency or urgent cases	ИД-1 ПК-1.1. Recognize and provide emergency medical care for sudden acute illnesses, conditions, exacerbations of chronic diseases without clear life-threatening conditions within	Professional standard "Medical doctor (district general practitioner)" approved by the order of the Ministry of Labor and Social Protection of the Russian

exacerbation of chronic diseases that are not life-threatening and do not require emergency medical assistance			primary medical care ИД-2 ПК-1.2. Provide emergency medical care for life-threatening conditions, including clinical death	Federation dated 21.03.2017 No.293H;
- Diagnosis of diseases and pathological conditions of patients	individuals (patients); population	ПК- 2 Ability to examine a patient to identify the main pathological conditions, symptoms, disease syndromes, nosological forms	ИД-1 ПК-2.1. Questioning and examining the patient (collection of complaints, anamnesis, examination, palpation, percussion, auscultation) ИД-2 ПК-2.2. Formulate a preliminary diagnosis, prepare a plan and refer the patient for laboratory and/or instrumental examination if medically prescribed, in accordance with the current procedures of medical care, clinical guidelines for medical care, taking into account the standards of medical care ИД-3 ПК-2.3. Refer the patient for consultation with specialty doctors and/or for specialized medical care at inpatient or day-care hospital conditions if	Professional standard “Medical doctor (district general practitioner)” approved by the order of the Ministry of Labor and Social Protection of the Russian Federation dated 21.03.2017 No.293H;

			<p>medically prescribed, in accordance with the current procedures for medical care, clinical guidelines for medical care, taking into account the standards of medical care</p> <p>ИД-4 ПК-2.4. Provide differential diagnostics with other diseases/conditions</p> <p>ИД-5 ПК-2.5. Establish a diagnosis taking into account clinical classifications and current International Statistical Classification of Diseases and Related Health Problems (ICD)</p>	
- Provision of primary medical care in outpatient settings	individuals (patients); population	ПК-3 Ability to manage and treat patients in need of medical care	<p>ИД-1 ПК-3.1. Develop a plan and prescribe non-medication and medication treatment for patients based on diagnosis, age and clinical presentation in accordance with current procedures for medical care, clinical guidelines for medical care, taking into account the standards of medical care</p> <p>ИД-2 ПК-3.2. Assess the effectiveness and safety of medications, medical devices,</p>	Professional standard “Medical doctor (district general practitioner)” approved by the order of the Ministry of Labor and Social Protection of the Russian Federation dated 21.03.2017 No.293Н;



			<p>medical nutrition and other treatments in primary medical care</p> <p>ИД-3 ПК-3.3. Provide palliative care, in cooperation with specialty doctors, specialized medical organizations and social services in primary medical care</p> <p>ИД-4 ПК-3.4. Provide personalized general medical care to patients, including pregnant women and elderly patients, in primary medical care</p>	
- Conducting expertise for temporary disability and taking part in other types of medical expertise	individuals (patients); population	ПК-4 Ability to carry out a range of activities to prepare and carry out various types of expertise	<p>ИД-1 ПК-4.1. Carry out expertise for temporary disability</p> <p>ИД-2 ПК-4.2. Determine the indications for referral for medical and social expertise in primary medical care</p>	Professional standard “Medical doctor (district general practitioner)” approved by the order of the Ministry of Labor and Social Protection of the Russian Federation dated 21.03.2017 No.293Н;
- Participation in medical rehabilitation	individuals (patients); population; a set of means and technologies aimed at creating conditions for the	ПК-5 Ability to determine the need for natural healing factors, medication, non-medication therapy and other methods in patients in need of medical rehabilitation and sanatorium treatment	ИД-3 ПК-5.1. Identify and refer patients in need of medical rehabilitation to a specialty doctor for the purpose of prescribing and carrying out medical rehabilitation and/or sanatorium treatment, including when implementing	Professional standard “Medical doctor (district general practitioner)” approved by the order of the Ministry of Labor and Social Protection of the Russian Federation dated

	protection of citizens' health		an individual rehabilitation or habilitation programme for persons with disabilities, in accordance with current procedures for medical care, clinical guidelines (treatment protocols) on medical care, taking into account the standards of medical care	21.03.2017 No.293H;
- Motivation of the population, patients and their families to preserve and strengthen their health and the health of those around them;	individuals (patients); population; a set of means and technologies aimed at creating conditions for the protection of citizens' health	ПК-6 Ability to carry out a range of activities aimed at preserving and strengthening population health	<p>ИД-1 ПК-6.1. Develop and implement activities aimed at hygiene education of the population</p> <p>ИД-2 ПК-6.2. Prescribe preventive measures for patients taking into account risk factors for prevention and early detection of diseases, including socially significant diseases</p> <p>ИД-3 ПК-6.3. Organize and supervise immunoprophylaxis of infectious diseases in adult population</p> <p>ИД-4 ПК-6.4. Conduct antiepidemic activities, organize prophylactic measures aimed at preventing the spread of infection in the outbreak area in accordance with</p>	Professional standard "Medical doctor (district general practitioner)" approved by the order of the Ministry of Labor and Social Protection of the Russian Federation dated 21.03.2017 No.293H;

			the adopted regulations	
-Preventing the occurrence of diseases among the population by carrying out preventive measures; -Conducting preventive medical examinations/check-ups, clinical observation	individuals (patients); population; a set of means and technologies aimed at creating conditions for the protection of citizens' health	ПК-7 Ability to carry out medical examinations, check-ups and clinical observation of patients with chronic diseases	ИД-1 ПК-7.1. Organize and conduct medical examinations and check-ups of the adult population in primary medical care in accordance with current regulations and other documents ИД-2 ПК-7.2. Organize and perform clinical observation for patients with chronic diseases in primary medical care	Professional standard "Medical doctor (district general practitioner)" approved by the order of the Ministry of Labor and Social Protection of the Russian Federation dated 21.03.2017 No.293Н;
<b>Type of professional tasks:</b> organizational and managerial				
- Keeping medical records in medical institutions, including electronic records - conducting collection and medical and statistical analysis of information on health indicators of the population of different age and gender groups, characterizing their health status; - organization of medical expertise; - participation in the organization of quality assessment of medical care provided to patients.	individuals (patients); population; a set of means and technologies aimed at creating conditions for the protection of citizens' health	ПК-8 Ability to conduct medical and statistical analysis of information on health indicators, as well as to keep medical records	ИД-1 ПК-8.1. Keep medical records, including electronic records ИД-2 ПК-8.2. Conduct medical and statistical analysis of health indicators of the local population	Professional standard "Medical doctor (district general practitioner)" approved by the order of the Ministry of Labor and Social Protection of the Russian Federation dated 21.03.2017 No.293Н;
- Application of the basic principles of	a set of means	ПК-9 Ability to apply	ИД-1 ПК-9.1. Organize and	Professional standard

organizing medical care in medical institutions and their structural units	and technologies aimed at creating conditions for the protection of citizens' health	basic principles of organization and management of the nursing staff in public health	supervise the activities of the nursing staff and other health care personnel in the primary medical care settings	“Medical doctor (district general practitioner)” approved by the order of the Ministry of Labor and Social Protection of the Russian Federation dated 21.03.2017 No.293H;
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## V. STRUCTURE AND CONTENTS OF THE EDUCATIONAL PROGRAMME

### 5.1. Structure and scope of the specialist's programme (MD course):

Structure of the educational programme		The scope of the educational programme and its parts in credit units
Part 1	Disciplines	312 cu
	Compulsory part	296 cu
	Part of MPEP HE formed by participants of educational relations	16 cu
Part 2	Practical training	45 cu
	Compulsory part	45 cu
	Part of MPEP HE formed by participants of educational relations	-
Part 3	State Final Certification:	3 cu
	Preparing for and taking the state examination (if any)	3 cu
Scope of the specialist's programme (MD course)		360 cu

The specialist's programme provides the opportunity to study the following elective disciplines: "Basics of Medical Communication in English", "Basics of Business Correspondence in Health Care in English", "Selected Issues of Pulmonology", "Topical Issues of Gastroenterology", "Gastroenterology in Outpatient Practice"

Elective disciplines (modules) are not included in the scope of the specialist's programme (MD course).

5.2. Disciplines and practical training that provide formation of general professional competencies, as well as professional competencies, belong to the compulsory part of the educational programme. Disciplines and practical training included in the compulsory part of the educational programme provide the formation of general competencies.

The compulsory part not included the state final certification amounts to 82,91 per cent of the total scope of the educational programme.

5.3. Curriculum of the educational programme determines the list, workload, sequence and distribution by study periods of disciplines (modules), practical training, other types of learning activities, forms of interim assessment of students (Appendix 4.3. Curriculum).

5.4. Academic calendar (appendix 4.4. Academic calendar).

5.5. Work programmes of disciplines including evaluation materials (appendix 4.5. Work programmes of disciplines, appendix 4.6. Annotations of work programmes of disciplines).

5.6. The educational programme provides for the following types of practical training:

Practical training:

introductory practical training - 3 cu;

clinical practical training - 9 cu.

Clinical internship:

clinical internship to acquire professional skills and experience as nursing staff – 6 cu;

internship in diagnostics - 6 cu;

internship in therapeutic area - 12 cu;

general medical internship – 6 cu;

emergency medical manipulations training - 3 cu.

5.7. Work programmes for practical training, including evaluation materials (appendix 4.7. Work programme for practical training).

5.8. Work programme of personal development

5.9. State Final Certification of students is conducted in the form of:  
state examination.

The programme of State Final Certification includes the programme of the state examination, the procedure and criteria for assessing the results of the state examination (appendix 4.8. Programme for the State Final Certification).

5.10. Teaching materials (appendix 4.9. List of teaching aids).

## **VI. CONDITIONS FOR IMPLEMENTATION OF THE EDUCATIONAL PROGRAM**

### **6.1. System-wide requirements for the implementation of the educational program.**

FSBEI HE North-Western State Medical University named after I.I. Mechnikov, the Ministry of Health of Russia (hereinafter referred to as the University) has, on the basis of ownership or other legal basis, the material and technical support of educational activities (premises and equipment) for the implementation of the educational program in Block 1 "Disciplines (modules)" and Block 3 "State final certification" in accordance with a curriculum.

Information about the material and technical support of the educational program is presented in the appendix to the Main Professional Educational Programme of Higher Education (Appendix 4.10. Information about the material and technical support of the main professional educational program of higher education).

Each student during the entire period of study is provided with individual unlimited access to the electronic information and educational environment of the University from any point where there is access to the information and telecommunication network "Internet", both on the territory of the University and outside it.

The electronic information and educational environment of the University provides:

access to curricula, work programs of disciplines, work programs of practices, electronic educational publications and electronic educational resources specified in work programs of disciplines (modules), work programs of practices;

the formation of an electronic portfolio of a student, including the preservation of his work and grades for these works;

In the case of the implementation of the specialty program using e-learning, distance educational technologies, the electronic information and educational environment of the University provides:

keeping records of the course of the educational process, the results of intermediate certification and the results of mastering the educational program;

conducting training sessions, procedures for assessing learning outcomes, the implementation of which is provided with the use of e-learning, distance learning technologies;

interaction between participants in the educational process, including synchronous and (or) asynchronous interaction via "the Internet".

### **6.2. Material & technical and educational & methodological support of the educational program:**

Work programs of disciplines, work programs of practices, the program of state final certification determine the material & technical and educational & methodological support of the educational program, including a list of licensed and free software, including domestic production; a list of electronic educational publications and (or) printed publications, electronic educational resources; lists of modern professional databases and information reference systems (including the forms adapted for people with disabilities and disabled people).

Classrooms for conducting training sessions are equipped with equipment and technical teaching aids according to the work programs of the disciplines.

The premises for independent work of students are equipped with computers with the Internet connection and are provided with access to the electronic information and educational environment of the University.

During the implementation of the educational program, the following unique equipment is used: an interactive system for semi-automatic quality control of manipulations with preset

scenarios "Tele-mentor", an autonomous universal robot-simulator "ISTAN" CEA Healthcare, a simulator for practicing blood pressure measurement skills, a mannequin (vertical torso) for demonstration of the method of physical examination of the respiratory system with the ability to simulate the auscultatory picture of the heart and lungs, an adult manikin for teaching cardiopulmonary resuscitation, Harvey simulator of a cardiopulmonary patient UM689 (Harvey), a simulator for palpation of mammary glands and lymph nodes with the ability to modify the nature and localization of pathological changes, a screen simulator of a virtual patient, patient care dummy 375-10001, dummy simulator for practicing ECG skills (12 leads) 260-20001 ZXD190, upper limb model 312025, SimPad Sounds Simulator (Lungs, Heart, Bowels) 200-20150, Venous Arm Trainer, Kit (Male, with Replaceable Skin and Vein System) 270-00001, PowerHeart AED AED Training Defibrillator, Adult Simulator for Practice Nursing Skills H125, ECG Simulation Manikin, Multifunctional Transparent Gastric Lavage Trainer, a simulator for urethral catheterization and enema, a simulator for practicing intravenous injection, infusion, puncture and intramuscular injection skills (arm from shoulder to hand), a simulator for physical examination of a cardiac patient, cardiopulmonary resuscitation with an automatic external defibrillator, a set for simulating wounds NASCO Type III Advanced Emergency Care Simulator (Included with Resuscitation Kit) Bladder Catheterization and Cleansing Enema Trainer (Female), an abdominal exam simulator, an auscultation simulator set, a physical exam simulator, an intravenous, intramuscular injection and puncture training simulator (with a set of tissues), an intramuscular thigh injection skill simulator, an RODAM cardiopulmonary resuscitation simulator, an examination simulator cardiological patient with synchronization of blood pressure indicators and vascular pulsation, a simulator for palpation of the abdominal organs with visualization (using software) of organs and the determination of the exact position of the hands with an assessment of the depth of pressure, a manikin for performing cardiopulmonary resuscitation with a computer controller.

It is allowed to replace the equipment with its virtual counterparts (in accordance with the paragraph 4.3.1. FSES VO 3 ++). The following virtual analogs are used in the educational process: an interactive clinical thinking training system "Virtual patient BodyInteract", a virtual bedside and fetal monitor simulator, a virtual patient screen simulator for practicing clinical thinking with a set of preset scenarios, and LivePalp virtual palpation simulator.

### 6.3. Personnel conditions for the implementation of the educational program.

The implementation of the specialty program is provided by the teaching staff of the University, as well as by persons involved in the implementation of the specialty program on other conditions.

The qualifications of the teaching staff of the University must meet the qualification requirements specified in the qualification guides and (or) professional standards.

The proportion of teaching staff (in terms of rates reduced to integer values) conducting scientific, educational and methodological and (or) practical work corresponding to the profile of the taught discipline (module), specialty program, is not less than 70 percents

A certificate on the qualifications of leading and scientific-pedagogical workers of an educational organization participating in the implementation of an educational program is an appendix to the main professional educational program of higher education

(Appendix 4.11. Certificate on the qualifications of the leading and scientific and pedagogical workers of the educational organization involved in the implementation of the main professional educational program of higher education).

The proportion of teaching staff (reduced to integer rates) with an academic degree



(including an academic degree obtained in a foreign state and recognized in the Russian Federation) and (or) an academic title (including an academic title obtained in a foreign state and recognized in the Russian Federation), in the total number of teaching staff implementing the specialty program, is not less than 65 percents.

A certificate of staffing of the educational program is an appendix to the the main professional educational program of higher education (Appendix 4.12. Certificate of staffing of the main professional educational program of higher education).

The share of employees (in reduced to integer values of rates) among the leaders and employees of organizations engaged in labor activities in the professional field, corresponding to the professional activity for which the graduates are preparing ( work experience in this professional field for at least 3 years), in the total number of pedagogical workers implementing the specialty program is not less than 10 percents

A certificate of employees from among the leaders and employees of organizations whose activities are related to the focus (profile) of the educational program being implemented is an appendix to the main professional educational program of higher education (Appendix 4.13. Information about employees from among the leaders and employees of organizations whose activities are related to the focus (profile) of the main professional educational program of higher education being implemented).

#### 6.4. Financial conditions for the implementation of the educational program:

Financial support for the implementation of the specialty program is carried out in an amount not lower than the values of the basic standards for the provision of public services for the implementation of the specialty program and the values of correcting ratios to the basic cost standards determined by the Ministry of Science and Higher Education of the Russian Federation.

#### 6.5. Assessment of the quality of educational activities and training of students in the educational program.

The quality of educational activities and training of students under the specialty program is determined within the framework of the internal assessment system, as well as the external assessment system, where the University participates on a voluntary basis.

Assessment of the quality of educational activities and students training in the terms of the specialty program is carried out in accordance with the local acts of the University.

## РЕЦЕНЗИЯ

на основную профессиональную образовательную программу высшего образования  
– программы специалитета 31.05.01 Лечебное дело (для иностранных обучающихся), направленность: Организация и оказание первичной медико-санитарной помощи взрослому населению в медицинских организациях, разработанная ФГБОУ ВО СЗГМУ им. И.И. Мечникова Минздрава России

Представленная на рецензию основная профессиональная образовательная программа высшего образования – программа специалитета по специальности 31.05.01 Лечебное дело (для иностранных обучающихся) составлена на основании документов: на основании ряда документов: Федеральный государственный образовательный стандарт высшего образования по специальности 31.05.01 Лечебное дело, утвержденный приказом Министерства науки и высшего образования Российской Федерации от «12» августа 2020г. №988; Профессиональный стандарт «Врач-лечебник (врач терапевт участковый)», утвержденный приказом Министерства труда и социальной защиты Российской Федерации от «21» марта 2017г. №293н, с учетом требований работодателей и участников образовательных отношений.

Образовательная программа представляет собой совокупность взаимосвязанных документов: общую характеристику, область профессиональной деятельности выпускника, объекты профессиональной деятельности выпускника, задачи профессиональной деятельности выпускника, результаты освоения программы, структуру образовательной программы, рабочий учебный план, календарный учебный график, рабочие программы дисциплин, программы практик, материально-техническое и учебно-методическое обеспечение образовательной программы, оценочные материалы для проведения текущего контроля успеваемости, промежуточной аттестации, оценочные материалы к государственной итоговой аттестации, методические материалы.

Анализ областей профессиональной деятельности выпускника по специальности 31.05.01 Лечебное дело (для иностранных обучающихся) показал, что типы задач профессиональной деятельности, а также профессиональные задачи, к которым готовятся выпускники, соответствуют потребностям рынка труда в системе здравоохранения.

Перечень формируемых компетенций (универсальных и общепрофессиональных), которыми должны овладеть обучающиеся в ходе освоения ОПОП ВО по специальности 31.05.01 Лечебное дело (для иностранных обучающихся), соответствует ФГОС ВО по специальности 31.05.01 Лечебное дело, утвержденного приказом Министерства науки и высшего образования Российской Федерации «12» августа 2020 года №988. Разработанные профессиональные компетенции соответствуют профессиональному стандарту «Врач-лечебник (врач терапевт участковый)», утвержденному приказом Министерства труда и социальной защиты Российской Федерации «21» марта 2017 года №293н. Структура ОПОП ВО отражена в учебном плане, включает следующие блоки: Блок 1 «Дисциплины (модули)», Блок 2 «Практика», Блок «Государственная итоговая аттестация». В рамках ОПОП ВО выделяются обязательная часть и часть, формируемая участниками образовательных отношений. К обязательной части образовательной программы относятся дисциплины и практики, обеспечивающие формирование общепрофессиональных компетенций. Формирование универсальных и профессиональных компетенций обеспечивают дисциплины и практики, включенные в



Содержание рабочих программ дисциплин и рабочих программ практик полностью соответствует компетентностной модели выпускника. Все рабочие программы дисциплин и рабочие программы практик разработаны квалифицированными специалистами профильных кафедр в соответствии с разработанной матрицей компетенций. Выполнение всех видов учебной работы обеспечивается вполне удовлетворительным перечнем учебно-методических материалов, перечисленных в каждой рабочей программе дисциплины и практики. Содержание рабочих программ практик свидетельствует об их способности сформировать практические навыки у выпускников.

Анализ рабочих программ дисциплин и рабочих программ практик показал, что при реализации ОПОП ВО используются разнообразные формы и процедуры текущего контроля и промежуточной аттестации. Представленные оценочные материалы, критерии и показатели оценивания компетенций, шкалы оценивания обеспечивают проведение всесторонней оценки результатов обучения и уровня сформированности компетенций. ОПОП ВО содержит оценочные материалы для проведения государственной итоговой аттестации. Таким образом, анализ разделов I-V ОПОП ВО показал соответствие требованиям I, II, III разделов ФГОС ВО по специальности 31.05.01 Лечебное дело, утвержденного приказом Министерства науки и высшего образования Российской Федерации «12» августа 2020 года №988.

Раздел VI ОПОП ВО посвящен условиям реализации программы специалитета. К реализации ОПОП ВО привлекается опытный научно-педагогический состав, а также ведущие специалисты из числа руководителей и работников организаций, осуществляющих трудовую деятельность в профессиональной сфере. Рецензируемая ОПОП ВО имеет высокий уровень обеспеченности учебно-методической литературой и материально-техническими средствами, программным обеспечением. Анализ условий реализации программы показал соответствие требованиям IV раздела ФГОС ВО по специальности 31.05.01 Лечебное дело, утвержденного приказом Министерства науки и высшего образования Российской Федерации «12» августа 2020 года №988.

Рассмотрев представленную ФГБОУ ВО СЗГМУ им. И.И. Мечникова Минздрава России ОПОП ВО, рецензент пришел к следующему заключению.

Представленная на рецензию основная профессиональная образовательная программа высшего образования по специальности 31.05.01 Лечебное дело (для иностранных обучающихся), направленность: организация и оказание первичной медико-санитарной помощи взрослому населению в медицинских организациях, предназначенная для очной формы обучения студентов в ФГБОУ ВО СЗГМУ им. И.И. Мечникова Минздрава России полностью соответствует требованиям ФГОС ВО по специальности 31.05.01 Лечебное дело, утвержденного приказом Министерства образования и науки Российской Федерации «12» августа 2020 года №988.

Главный врач

СПб ГБУЗ «Городская поликлиника №14»,  
доктор медицинских наук





Министерство здравоохранения Российской Федерации  
федеральное государственное бюджетное образовательное учреждение  
высшего образования  
"Северо-Западный государственный медицинский университет имени И.И. Мечникова  
Министерства здравоохранения Российской Федерации  
(ФГБОУ ВО СЗГМУ им. И.И. Мечникова Минздрава России)

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**ВЫПИСКА ИЗ ПРОТОКОЛА**  
**собрания Совета обучающихся Университета**  
**№35 от 17 мая 2021 года**

**СЛУШАЛИ:**

Председателя Совета обучающихся Университета Темурзиеву Х.М., которая довела до собрания Совета обучающихся информацию о разработке основной профессиональной образовательной программы высшего образования – программы специалитета по специальности 31.05.03 Лечебное дело.

**РЕШЕНИЕ:**

Одобрить разработку основной профессиональной образовательной программы высшего образования – программы специалитета по специальности 31.05.03 Лечебное дело.

Из 46 членов Совета обучающихся Университета на заседании присутствовали 46 человек.

«За» – 46 чел.;

«Против» – 0 чел.;

«Воздержались» – 0 чел.;

Председатель  
(подпись)

  
(Фамилия И.О.)

Х.М.Темурзиева

Секретарь  
(подпись)

  
(Фамилия И.О.)

Е.А. Антонова