

Ministry of Education and Science of the Kyrgyz Republic
Ministry of Health of the Kyrgyz Republic
Kyrgyz State Medical Academy named after. I.K. Akhunbaeva

COMPETENCIES CATALOG

university graduate with specialty 560003

“Medical and preventive work”

PRE-GRADUATE LEVEL

Duration of training: 6 years

Bishkek 2023

The catalog of competencies was developed using materials from the State educational standard for higher professional education in specialty 560003 “Medical and preventive care”, approved by the Ministry of Education and Science of the Kyrgyz Republic dated September 21, 2021 No. 1578/1.

Composition of the working group:

- Atambaeva R.M. Chairman of the EMPC faculty of MPW, Doctor of Medical Sciences, Professor
- Kochkorova F.A. coordinator of the faculty of MPW, candidate of medical sciences, associate professor
- Toygombaeva V.S. Doctor of Medical Sciences, Professor of the Department of General and Clinical Epidemiology
- Esenamanova M.K. head course of food hygiene of the department of hygienic disciplines, candidate of medical sciences, professor
- Burabaeva A.A. head courses in medical ecology, general hygiene, military hygiene and radiation hygiene of the department of hygienic disciplines, candidate of medical sciences, associate professor
- Sydykov Zh.S. head course of hygiene of children and adolescents of the department of hygienic disciplines, candidate of medical sciences, associate professor
- Tsivinskaya T.A. head course of occupational hygiene of the department of hygienic disciplines, c.m.s., acting. associate professor
- Erbaev A.T. head course of municipal hygiene of the department of hygienic disciplines, senior lecturer
- Somkulova E.J. head teacher of the department of hygienic disciplines
- Bapaliev G.O. Lecturer at the Department of Hygienic Disciplines
- Amanova Zh.A. Lecturer at the Department of Hygienic Disciplines

The catalog was reviewed by:

Abdykarimov S. T – d.m.s., acting. O. professor of the department of general and clinical epidemiology of KSMA them. I. K. Akhunbaeva

Abdykadyrov S. A. - Director of the Prevention Department diseases and state sanitary and epidemiological surveillance of the Ministry of Health of the Kyrgyz Republic

Considered at the meeting of the UMPC of the Faculty of “Medical and Preventive Affairs”, protocol No. 4 of December 22, 2023.

Considered and approved at a meeting of the State Medical Committee of KSMA named after. I.K. Akhunbaeva,
Protocol No. 7 of March 14, 2023

Content

	Page
EXPLANATIVE NOTE	5
Chapter 1. GENERAL TASKS	9
Chapter 2. MEDICAL-PREVENTIVE DISCIPLINARY TASKS	13
2.1. SANITARY AND EPIDEMIOLOGICAL COMPONENT	13
2.1.1. GENERAL HYGIENE	13
2.1.2. GENERAL EPIDEMIOLOGY	13
2.1.3. COMMUNAL HYGIENE	14
2.1.4. OCCUPATIONAL HEALTH	16
2.1.5. FOOD HYGIENE	18
2.1.6. HYGIENE OF CHILDREN AND ADOLESCENTS	20
2.1.7. RADIATION HYGIENE	21
2.1.8. MILITARY HYGIENE	22
2.1.9. PRIVATE EPIDEMIOLOGY	23
2.1.10. MILITARY EPIDEMIOLOGY	25
2.2. PROFILE SKILLS	26
2.2.1. GENERAL HYGIENE	26
2.2.2. GENERAL EPIDEMIOLOGY	26
2.2.3. COMMUNAL HYGIENE	28
2.2.4. OCCUPATIONAL HEALTH	30
2.2.5. FOOD HYGIENE	32
2.2.6. HYGIENE OF CHILDREN AND ADOLESCENTS	35
2.2.7. RADIATION HYGIENE	38
2.2.8. MILITARY HYGIENE	39
2.2.9. PRIVATE EPIDEMIOLOGY	40
2.2.10. MILITARY EPIDEMIOLOGY	40
2.2.11. INFORMATION MANAGEMENT	40
Chapter 3. CLINICAL DISCIPLINARY TASKS	41
3.1. CLINICAL CONDITIONS/NOSOLOGY	41
3.1.1. INTERNAL ILLNESSES	41
A. THERAPY	41
B. OCCUPATIONAL DISEASES	43
C. MILITARY FIELD THERAPY/ EXTREME MEDICINE	43
D. INFECTIOUS DISEASES	43
E. TUBERCULOSIS	45
F. DISEASES OF THE NERVOUS SYSTEM	45
G. MENTAL AND BEHAVIORAL DISORDERS	46
H. SKIN AND VENEREAL DISEASES	47
3.1.2. SURGICAL DISEASES	48
A. SURGERY	48
B. UROLOGY	50

C.	TRAUMATOLOGY AND ORTHOPEDICS	51
D.	EYE DISEASES	51
E.	DISEASES OF EAR, NOSE AND THROAT	52
F.	ONCOLOGICAL DISEASES	52
3.1.3.	OBSTETRICS AND GYNECOLOGY	54
A.	OBSTETRICS	54
B.	GYNECOLOGY	54
3.1.4.	PEDIATRICS	55
A.	CHILDHOOD DISEASES	55
B.	CHILDREN'S INFECTIOUS DISEASES	58
3.1.5.	DENTAL DISEASES	59
3.1.6.	EMERGENCIES	60
3.2.	MEDICAL MANIPULATIONS	62
3.2.1.	GENERAL MANIPULATIONS	62
A.	INTERVIEWING THE PATIENT. HISTORY COLLECTION	62
B.	PHYSICAL EXAMINATION	63
C.	GENERAL SKILLS	66
3.2.2.	SURGICAL MANIPULATIONS	68
3.2.3.	MANIPULATIONS USED IN OBSTETRICS AND GYNECOLOGY	69
3.2.4.	MANIPULATIONS TO PROVIDE EMERGENCY CARE	69
3.2.5.	INFORMATION MANAGEMENT	70

Explanatory note

According to the State Educational Standard for Higher Professional Education, a graduate must master the following types of activities:

- preventive;
- therapeutic;
- organizational and managerial;
- metrological;
- educational;
- research.

This catalog defines tasks corresponding to the listed types of activities.

Based on this catalog of competencies:

- determined:

- the purpose and content of pre-graduate training for medical and preventive physicians;
- level of knowledge and skills of a medical and preventive physician;

• - *are being developed*:

- training programs for medical and preventive doctors;
- criteria for assessing the quality of student training at various stages of training;
- standard requirements for certification of a preventive medical doctor;

• - *organized by*:

- educational process;
- professional guidance for applicants entering medical universities;

- *held*:

- certification of graduates.

For practical convenience, the competencies in the catalog are distributed as follows:

Chapter 1. General tasks

Chapter 2. Medical and preventive disciplinary tasks:

2.1. Sanitary and epidemiological component

2.2. Core skills

Chapter 3. Clinical disciplinary tasks:

3.1. Clinical conditions/nosology

3.2. Medical procedures

Chapter 1 “General Objectives” lists the universal and professional competencies that a graduate must master (in accordance with the State educational standard for higher professional education in specialty 560003 “Medical and preventive care”).

Chapter 2 “Medical and preventive disciplinary tasks” presents tasks and skills in specialized disciplines. For each discipline, a block **“Sanitary-epidemiological component”** is allocated, covering the sanitary-hygienic and epidemiological situation for which the graduate must develop a study plan, assessment, conduct diagnostic studies in the sanitary-epidemiological direction and propose the necessary preventive measures.

Level	Level 1	Level 2
Sanitary and epidemiological component	The graduate is capable and ready to independently: - assess the sanitary, hygienic and epidemiological situation; - develop a plan for studying and assessing the development of the sanitary and epidemiological state; - conduct basic diagnostic studies of sanitary and epidemiological areas; - carry out the necessary sanitary and epidemiological preventive measures	The graduate is capable and ready: - explain the essence of the cause-and-effect relationships of the situation that has arisen; - explain the need for consultation with various competent specialists on this problem; - carry out preventive and anti-epidemiological measures after consultation with specialists

The sanitary and epidemiological component is represented by the following specialized disciplines:

1. General hygiene;
2. General epidemiology;
3. Communal hygiene;
4. Occupational health;
5. Food hygiene;
6. Hygiene of children and adolescents;
7. Radiation hygiene;
8. Military hygiene;
9. Private epidemiology;
10. Military epidemiology.

The **“Profile Skills”** block indicates skills in assessing environmental factors that a graduate must possess to one degree or another.

To describe the degree of proficiency in a skill that a graduate must possess, the following gradation of levels is used:

Level	Level 1	Level 2
Specialized skills	Graduate: owns the correct methodology for performing research; has sufficient experience in performing research at supervised sites and epidemiological foci of infections	Graduate: knows how to perform research under the supervision of a mentor

Profile skills are presented separately for all medical and preventive disciplines.

Chapter 3, Clinical Discipline Objectives, presents objectives for clinical disciplines. Each discipline has a “**Clinical conditions/nosology**” block, which includes a list of diseases/pathological conditions that a graduate must be able to diagnose and/or treat.

To indicate the level of knowledge and practical competencies in clinical disciplines, the following gradation is used:

Level	Level 1	Level 2
Clinical States/nosology	<i>The graduate is capable and ready to independently:</i> – draw up a plan of diagnostic measures; – make a clinical diagnosis; – carry out the basic principles of therapeutic measures; – carry out the necessary rehabilitation and preventive measures for patients of all age groups.	<i>The graduate is capable and ready:</i> - make a preliminary diagnosis; - refer for consultation to the appropriate specialist; - monitor prescribed therapy and carry out preventive and rehabilitation measures after verification of the diagnosis by a specialist.

Diseases/pathological conditions are presented in groups according to disciplines:

1. Internal diseases

- Therapy (including family medicine)
- Occupational diseases
- Military field therapy/Extreme medicine
- Infectious diseases
- Tuberculosis
- Diseases of the nervous system
- Mental and behavioral disorders
- Skin and venereal diseases

2. Surgical diseases

- Urology
- Traumatology and orthopedics (diseases of children and adults)

- Eye diseases
 - Diseases of the ear, nose and throat
 - Oncology
3. Obstetrics and gynecology
 - Obstetrics
 - Gynecology
 4. Pediatrics
 - Childhood diseases
 - Pediatric infectious diseases
 5. Dental medicine
 6. Emergency conditions

The “**Medical Manipulations**” block lists the manipulations that a graduate must master, to one degree or another.

To describe the degree of proficiency in a skill that a graduate must possess, the following gradation of levels is used:

Level	Level 1	Level 2
Medical procedures	the manipulation must be practiced on patients of all age categories, except newborns, or <i>have sufficient experience</i> in performing the manipulation on a dummy/simulator for independent practical implementation: – knows the correct technique for performing manipulations	<i>does not have sufficient</i> experience in performing manipulations on patients or on a dummy/simulator for independent practical implementation: – knows how to perform manipulations under the supervision of a mentor

All medical procedures are conditionally combined into the following groups:

- general manipulations (questioning or collecting a patient's medical history, information management, physical examination);
- surgical procedures;
- manipulations in obstetrics and gynecology;
- manipulations to provide emergency care.

CHAPTER 1: GENERAL OBJECTIVES

General objectives are formulated in the form of *universal* and *professional* competencies. Professional competencies are distributed according to the type of activity of the doctor.

1. General scientific competencies	
GC-1	capable and ready to analyze socially significant problems and processes, use methods of natural sciences, mathematics and humanities in various types of professional and social activities
GC -2	capable and ready to analyze significant political events and trends, to mastery of the basic concepts and patterns of the world historical process, respectful and careful attitude towards historical heritage and traditions, assessment of state policy, for the formation of a civic position
GC -3	able and willing to collect, process and interpret, using modern information technology, the data necessary to form judgments on relevant social, scientific and ethical issues
GC -4	able and willing to work in a team, tolerantly perceive social, ethnic, religious and cultural differences
1. Instrumental competencies	
IC-1	capable and ready to work with computer hardware and software for system and application purposes to solve professional problems
IC -2	capable and ready to use information, bibliographic resources and information and communication technologies, taking into account the basic requirements of information security
IC -3	capable and ready for written and oral communication in the state language and official languages, able to master one of the foreign languages to solve professional problems
IC -4	able and willing to use management techniques; organize work performers; find and make responsible management decisions in the face of different opinions and within the framework of one's professional competence
2. Social, personal and general cultural competencies	
SPC-1	capable and ready to implement ethical, deontological and bioethical principles in professional activities
SPC -2	capable and ready to master the techniques of professional communication; build interpersonal relationships, work in a group, constructively resolve conflict

	situations, tolerate social, ethnic, religious and cultural differences
SPC -3	capable and ready for continuous professional development, self-knowledge, self-development, self-actualization; manage your time, plan and organize your activities, build a strategy for personal and professional development and training
SPC -4	is able and ready to carry out its activities taking into account moral and legal norms accepted in society, comply with laws and regulations on working with confidential information, bear social and ethical responsibility for decisions made
CJK-5	capable and ready for logical and reasoned analysis, for public speech, discussion and polemics, implementation of educational and educational activities, cooperation
2. Professional competencies	
4.1. Preventive activities	
PC-1	carrying out measures to prevent infectious and non-infectious diseases of the population by implementing state sanitary supervision in the field of occupational hygiene, municipal hygiene, food hygiene, hygiene of children and adolescents, radiation and military hygiene in accordance with the legislation of the Kyrgyz Republic at environmental sites for the sanitary and epidemiological well-being of the population
PC -2	conducting and evaluating laboratory and instrumental studies of the human environment in order to organize activities aimed at ensuring control and sanitary and epidemiological well-being of the population
PC -3	analysis of indicators of infectious and non-infectious morbidity of the population associated with the environment
PC -4	planning and carrying out preventive anti-epidemic measures in foci of infectious diseases and in the territory of natural focal infections
PC -5	carrying out and monitoring the implementation of measures to prevent occupational diseases
PC -6	carrying out sanitary education work among the population, employees of supervised facilities and medical personnel in order to promote a healthy lifestyle
PC -7	ability and readiness to conduct sanitary and epidemiological examinations, investigations, surveys, studies, tests, toxicological, hygienic and other types of assessments, design documentation of supervised facilities, products, services, works in order to establish compliance or non-compliance with established requirements
PC -8	ability and readiness to investigate and analyze indicators of infectious and non-infectious morbidity of the population, plan and carry out anti-epidemic measures

	in foci of infectious diseases, in the territory of natural focal infections, as well as organize vaccination of the population, conduct and evaluate its effectiveness and safety
PC -9	ability and readiness to study the health of the population, using data from official records and reporting documents, using statistical and epidemiological methods, as well as on the basis of preliminary and periodic medical examinations
PC -10	ability and readiness to analyze the sanitary and epidemiological consequences of disasters and emergency situations
PC -11	ability and willingness to take samples and conduct laboratory research using physical, chemical, biological and bacteriological and other methods
PC -12	ability and readiness to interpret the received data from the inspection of the object and make appropriate decisions based on hygienic standards: technical regulations, standards, maximum permissible concentrations, maximum permissible regulations, OBUV, SNiP, orders, etc.
PC -13	ability and readiness to identify cause-and-effect relationships in the system: “human environmental factor – population health”
PC -14	ability and readiness to determine the degree of exposure of an employee to harmful factors of working conditions, and its assessment, investigation of the causes of occupational diseases and poisonings and participation in the organization of labor protection measures, prevention of occupational diseases
PC -15	ability and willingness to identify the effects of radiation on human health
PC -16	ability and readiness to study the cause-and-effect relationships of the spread of infectious and non-infectious diseases in order to establish patterns of development, conditions of spread, identify risk factors and choose a direction to reduce it
PC -17	ability and willingness to monitor infection control practices when performing medical procedures
4.2. Medical activities	
PC -18	ability and willingness to conduct a survey, examination, interpret the results of laboratory and instrumental studies to establish a diagnosis and fill out a patient’s medical record
PC -19	ability and readiness to provide first aid in emergency conditions, in extreme conditions, in areas of mass destruction and epidemics at the prehospital stage
PC - 20	ability and willingness to take part in rehabilitation, health-improving activities and sanatorium-resort treatment of the subject populations
4.3. Organizational and managerial activities	

PC -21	ability and readiness to analyze the results of their own activities and the activities of bodies exercising control and supervision functions in the field of ensuring the sanitary and epidemiological well-being of the population, protecting consumer rights and the consumer market; institutions operating in order to ensure state sanitary and epidemiological supervision in the Kyrgyz Republic, based on the requirements of official legislative, regulatory and legal documents
PC -22	ability and willingness to make management decisions aimed at preserving the health of the population under the adverse influence of human environmental factors
PC -23	ability and readiness to develop and evaluate the effectiveness and quality of preventive and anti-epidemic measures separately or in combination with other specialists to ensure effective control
PC -24	ability and readiness to carry out sanitary and anti-epidemic (preventive) measures to protect the population in areas of particularly dangerous infections, during natural disasters and various emergency situations
PC -25	ability and willingness to comply with the rules of medical ethics, laws and regulations on working with confidential information, maintain medical secrets, and master the basics of office work
4.4. Metrological activities	
PC – 26	ability and willingness to participate in the development of regulatory legislative documents to ensure the sanitary and epidemiological well-being of the population
4.5. Educational activities	
PC -27	ability and readiness to carry out sanitary and educational work among the population on disease prevention, maintaining a healthy lifestyle and health promotion, as well as carrying out hygienic education for personnel of supervised facilities
4.6. Scientific research activity	
PC -28	ability and readiness to study various sources of scientific and medical literature on hygiene, sanitation and epidemiology and master new approaches and methods for studying environmental factors, population morbidity and its assessment
PC -29	ability and readiness to interpret the results of hygienic research, to understand the strategy of new methods and technologies introduced into hygienic science and sanitary practice
PC -30	ability and readiness to formulate, evaluate and test hypotheses explaining the cause, conditions and mechanism of occurrence of diseases, and their spread according to epidemiological determinants (distribution of diseases by territory, population group, over time, by gender)

**CHAPTER 2: MEDICAL AND PREVENTIVE
DISCIPLINARY TASKS:**

SANITARY AND EPIDEMIOLOGICAL COMPONENT

COMPETENCIES	Level
2.1.1. GENERAL HYGIENE	
<i>Air hygiene</i>	
Assessing the impact of climatic conditions on human health	1
Assessment of the impact of solar radiation on human health	1
<i>Water hygiene</i>	
Determining the impact of water quality on human health	1
<i>Food hygiene</i>	
Assessing the influence of dietary patterns on human health	1
<i>Soil hygiene</i>	
Hygienic assessment of the impact of soil on public health	1
<i>Health of children and adolescents</i>	
Assessment of the influence of environmental factors on the health of children and adolescents	1
2.1.2. GENERAL EPIDEMIOLOGY	
<i>The concept of the epidemiological process of infectious diseases</i>	
Assessment of the influence of risk factors on the epidemic process	1
Determination of the pathogen transmission mechanism by its properties	1
Carrying out anti-epidemic and preventive measures depending on the epidemiological characteristics of the disease	1
Determination of unfavorable environmental factors influencing the development of morbidity	1
Determination of risk factors for developing the disease	1
Determination of emergency development factors	1
<i>Measures aimed at breaking the transmission mechanism</i>	
Determination of types and methods of using disinfectants, disinsection, deratization	1

and sterilization	
Definition and assessment of the quality of infection control in medical institutions of various profiles	1
Control of the safety of medical procedures	1
Control of collection, storage and disposal of medical waste	1
Behavior monitoring infection control system	1
<i>Immunoprophylaxis in the fight against infections</i>	
Organization and quality control and storage of immunobiological preparations	1
Planning and organization of preventive vaccinations	1
Prevention of side effects after immunization	1
<i>Epidemiological surveillance system</i>	
Organization and conduct of epidemiological surveillance of infectious and parasitic diseases	1
<i>Epidemiological diagnostics and evidence-based medicine in epidemiology</i>	
Conducting epidemiological diagnostics for organizing and planning anti-epidemic and preventive measures	1
Use of evidence-based medicine in epidemiological studies	1
2.1.3. COMMUNAL HYGIENE	
<i>Hygiene of water and water supply. Protection of water bodies</i>	
Hygienic assessment of household drinking water in populated areas	1
Hygienic assessment of sanitary protection zones	1
Hygienic assessment of drinking water distribution systems	1
Conducting State sanitary supervision over the condition of drinking water	2
Hygienic assessment of sources of pollution of water bodies	1
Hygienic assessment of urban wastewater	2
Development of measures for the sanitary protection of water bodies	1
Hygienic assessment of household drinking water in populated areas	1
Hygienic assessment of sanitary protection zones	2
Carrying out the current State sanitary supervision of the protection of water bodies	1

Consideration of treatment plant schemes for water intake from underground and surface sources	2
<i>Protection of water bodies</i>	
Sanitary examination of the projects of the main facilities of the treatment plant	2
Sanitary assessment of projects of wastewater treatment schemes in populated areas	2
Sanitary assessment of the small sewerage project	1
<i>Soil hygiene and cleaning of populated areas</i>	
Study of the main indicators of soil pollution by exogenous chemical compounds	2
Hygienic assessment of the soil of populated areas	1
Hygienic assessment of soil composition and physical properties	1
Development of measures for sanitary protection of soil in populated areas	1
Sanitary assessment of the cleaning of populated areas	1
Sanitary assessment of solid and liquid waste disposal facilities	1
Sanitary examination of projects of settlement cleaning schemes	2
<i>Atmospheric air hygiene</i>	
Hygienic assessment of atmospheric air in populated areas	1
Development of measures for the sanitary protection of atmospheric air	1
Conducting State sanitary supervision of atmospheric air quality	2
Study of the effect of atmospheric air pollution on public health	2
<i>Hygiene of residential and public buildings</i>	
Hygienic assessment of the noise level of populated areas and measures to reduce it	1
Hygienic assessment of the light and insolation regime of residential and public buildings	1
Hygienic assessment of engineering systems for heating and ventilation of residential and public buildings	1
Development of a set of measures to protect populated areas from EMF exposure	2
Hygienic assessment of finishing materials used in the construction of residential and public buildings	2
Hygienic assessment of the parameters of the intracellular environment	2

<i>Hygiene of the layout of populated areas</i>	
Organization of district and regional planning of settlements	2
Hygienic assessment of the layout and landscaping of populated areas	2
Hygienic assessment of the infrastructure of populated areas	1
Sanitary examination of planning and development projects of urban and rural settlements	2
Hygienic assessment of standard residential building projects and consideration of binding projects	2
Sanitary examination of apartment-type residential building projects	2
Sanitary examination of hospital planning and building projects	1
Sanitary examination of bathhouse and laundry projects	1
<i>Hygiene of medical and preventive organizations (MPO)</i>	
Hygienic assessment of the layout and operation of medical facilities	1
2.1.4. OCCUPATIONAL HEALTH	
<i>Fundamentals of labor physiology</i>	
Assessment of the functional state of the body at work	1
Assessment of the impact of ergonomics on maintaining health and performance	1
Fatigue prevention and evaluation of its effectiveness	1
<i>Meteorological conditions at work</i>	
Assessment of the impact of the industrial microclimate on the body of workers and carrying out preventive measures	1
Atmospheric pressure	
Assessment of working conditions at high and low atmospheric pressure and carrying out preventive measures	1
Production dust	
Assessment of the impact of industrial dust on the body and carrying out preventive measures	1
Mechanical vibrations	
Assessment of the impact of industrial noise on the body and carrying out preventive measures	1
Assessment of the effect of industrial vibration on the body and carrying out	1

preventive measures	
Industrial radiation	
Hygienic assessment of working conditions when working with sources of non-ionizing radiation and carrying out preventive measures	1
Assessment of aeroionization in a production environment	2
Industrial toxicology	
Hygienic assessment of the level of chemical pollution in the air of the work area, production equipment and the skin of workers	1
Hygienic assessment of working conditions when working with metals and carrying out preventive measures	1
Hygienic assessment of working conditions when working with organic solvents and carrying out preventive measures	1
Assessment of the effect of irritating gases and carbon monoxide on the body of workers and carrying out preventive measures	1
Assessment of the combined effect of chemicals and implementation of preventive measures	1
Hygienic assessment of industrial allergens and preventive measures	2
Hygienic assessment of biological production factors and preventive measures	2
Hygienic assessment of working conditions when working with pesticides and mineral fertilizers and carrying out preventive measures	1
Hygienic assessment of working conditions when working with industrial carcinogens and carrying out preventive measures	2
Industrial ventilation	
Hygienic assessment of natural and mechanical ventilation of industrial premises	1
Industrial lighting	
Hygienic assessment of natural and artificial lighting of industrial premises	1
Occupational hygiene in selected industries and agriculture	
Hygienic assessment of working conditions in the mining and coal industry	1
Hygienic assessment of working conditions in agricultural production	1
Hygienic assessment of working conditions in light industry	1
Hygienic assessment of working conditions in the machine-building industry	1
Hygienic assessment of the working conditions of HPP workers	1

Participation in the organization and conduct of workplace certification	2
Hygienic assessment of working conditions in construction and production of building materials	1
Occupational health of women and adolescents	
Hygienic assessment of women's working conditions	1
Hygienic assessment of the working conditions of adolescents	1
State sanitary supervision in the field of occupational health	
Sanitary and hygienic expertise of projects of industrial enterprises	2
Sanitary and hygienic supervision of agricultural facilities and industrial enterprises	1
2.1.5. FOOD HYGIENE	
<i>A healthy and balanced diet</i>	
Development of the basic principles of rational and balanced nutrition of individual population groups	1
Assessment of indicators of the nutritional status of individual population groups	1
Determination of the body's physiological need for micronutrients	1
Determination of the basic requirements for the food ration	1
Determination of the characteristics of the actual nutrition of people living in different climatic zones	1
Development of preventive rations under particularly harmful working conditions	1
Prevention of vitamin deficiency	1
Prevention of microelementosis	1
<i>Chemical composition and energy value of ready meals</i>	
Assessment of the macro- and micronutrient composition and energy value of the daily diet	1
<i>Making a conclusion on the quality and safety of:</i>	
milk and fermented milk products	1
meat and meat products	1
sausages	1
fish and seafood	1
grain products	1

concentrates, crackers and biscuits	1
soft drinks and national drinks	1
fats and oils	1
canned food, confectionery and honey	1
	1
Determination of the safety of food additives, their indexing and rationing	2
<i>Conducting preventive sanitary supervision</i>	
Consideration of projects of public catering enterprises	2
Consideration of projects of food industry and trade enterprises	2
<i>Conducting current sanitary supervision of:</i>	
catering enterprises	1
markets and grocery stores	1
milk processing enterprises	2
meat processing enterprises	2
sausage production enterprises	2
enterprises for the production of fish and fish products	2
flour	1
milling enterprises enterprises for the production of bread and bakery products	1
enterprises for the production of cereals and legumes	1
confectionery	2
enterprises enterprises for the production of pasta	1
enterprises for the production of food concentrates	1
enterprises for the production of soft drinks and national beverages	1
enterprises for the production of fats and oils	2
enterprises for the production of canned food	2
<i>Food poisoning</i>	
Investigation and prevention of food poisoning of microbial and non-microbial etiology	1

<i>Therapeutic nutrition, development of therapeutic tables:</i>	
the main variants of standard diets	1
for diets with chemical and mechanical treatment	1
for diets with a reduced amount of protein	1
for diets with an increased amount of protein	1
for hypocaloric diets	1
with microelementosis and hypovitaminosis	1
Sanitary and hygienic inspection of health care food units	1
Evaluation of therapeutic nutrition in medical institutions	1
2.1.6. HYGIENE OF CHILDREN AND ADOLESCENTS	
<i>Formation of the health of the child and adolescent population</i>	
Assessment of physical development of children and adolescents	1
Assessment of the health status of children and adolescents by criteria and health groups	1
<i>Hygiene of educational activities of children and adolescents</i>	
Assessment of the duration and nature of the activities of children and adolescents	1
Assessment of the degree of fatigue in children and adolescents, prevention	1
Assessment of the construction of the daily routine of children and adolescents	1
Assessment of the educational process in children's and adolescent educational institutions	1
<i>Physical activity and hygiene of physical education</i>	
Determining the need for movement depending on the age and gender of children	1
Assessment of the organization of physical education in children's and adolescent educational institutions	1
<i>Hygiene of labor education, training and vocational education of students</i>	
Determination of the impact of labor on a growing organism and the peculiarities of the formation of a functional system of labor activity of children and adolescents	2
Assessment of the organization of labor education and training in children's and adolescent educational organizations	1
Conducting medical and physiological professional orientation and consultation	2

<i>Nutrition hygiene of children and adolescents</i>	
Determination of the need for nutrients and energy	1
Assessment of nutrition of organized and unorganized children's groups	1
<i>Environmental hygiene for the development, upbringing and education of children and adolescents</i>	
Evaluation of clothing and shoes	1
Evaluation of children's toys	1
Evaluation of children's books, textbooks and writing materials	1
Evaluation of educational furniture, equipment and their placement	1
<i>Hygienic principles of placement, planning and operation of institutions for children and adolescents</i>	
Sanitary and hygienic expertise of projects of preschool and general education institutions	2
Assessment of the air-thermal regime of children's and adolescent educational organizations	1
Assessment of the coverage of children's and adolescent educational organizations	1
Assessment of water supply and sanitation of children's and adolescent educational organizations	1
<i>The basics of forming a healthy lifestyle for children and adolescents</i>	
Development of measures for the formation of a healthy lifestyle	1
Development of measures for hygienic education and training	1
<i>Medical and sanitary-epidemiological support</i>	
for children and adolescents	2
Development of measures to improve medical care	1
2.1.7. RADIATION HYGIENE	
<i>Sources of radiation, their effects on the body</i>	
Assessment of ionizing radiation sources and their hygienic significance	1
Isotope and radiation assessment in modern industry	2
<i>Dose exposures</i>	
Assessment of external and internal radiation exposure when working with ionizing radiation sources	1

<i>Occupational health and radiation safety</i>	
Hygienic assessment of labor during flaw detection	2
Radiation safety assessment when working with closed ionizing radiation sources	1
Radiation safety assessment when working with open sources of ionizing radiation	2
<i>Sanitary and hygienic supervision of radiation safety</i>	
Conducting State sanitary supervision in the field of radiation hygiene	2
Conducting sanitary and dosimetric and medical control	1
Conducting radiation-hygienic and social-hygienic monitoring	2
<i>Protection of the environment from radioactive contamination</i>	
Hygienic assessment of radioactive environmental pollution	2
Development of measures in case of a radiation accident	2
Hygienic assessment of uranium tailings dumps	2
<i>State sanitary supervision of ionizing radiation sources</i>	
Determining the size of sanitary protection zones for emissions of radioactive substances into the atmosphere	2
Conducting an examination of projects of institutions using ionizing radiation	2
2.1.8. MILITARY HYGIENE	
<i>Hygienic provision of troops</i>	
Assessment of the forces and means used by the medical service in the organization of hygienic provision	2
<i>Hygiene of troop deployment</i>	
Sanitary and hygienic assessment of the field deployment of troops	1
Sanitary and hygienic assessment of open and closed defensive structures	2
Assessment of the sanitary and hygienic condition of military camps	2
Assessment of the sanitary and hygienic condition of the barracks	2
<i>Water supply for troops</i>	
Assessment of the organization of water supply for troops in the field	2
<i>Food hygiene of troops</i>	
Assessment of the organization of nutrition of troops	1

<i>Occupational hygiene of troops</i>	
Assessment of working conditions in the main branches of the armed forces, in tank and motorized rifle units	2
<i>Hygiene of troop movement</i>	
Assessment of troop movements	2
2.1.9. PRIVATE EPIDEMIOLOGY	
<i>Epidemiology and surveillance system for intestinal infections</i>	
Typhoparathyphoid diseases	1
Shigellosis	1
Salmonellosis	1
Viral hepatitis A	1
Viral hepatitis E	1
Holler	1
Polio	1
Escherichiosis	1
Rotavirus infection	1
Staphylococcal diarrhea	1
Enterovirus infections (Coxsackie and ESNO)	1
<i>Epidemiology and surveillance system for aerosol infections</i>	
Diphtheria	1
Measles	1
Rubella	1
Mumps epidemic	1
Whooping cough	1
Chickenpox	1
Scarlet fever	1
Meningococcal infection	1
Tuberculosis	1
Flu and SARS	1

Mononucleosis	1
Mycoplasmosis	1
COVID-19	1
<i>Epidemiology and surveillance system for vector-borne infections</i>	
Typhus fever	1
The plague	1
Lousy recurrent typhus	1
Hemorrhagic fever	1
Tick-borne encephalitis	1
<i>Epidemiology and surveillance system for hemocontact infections</i>	
Viral hepatitis B	1
Viral hepatitis C	1
Viral hepatitis D	1
HIV infection	1
<i>Epidemiology and surveillance system for infections of the outer integuments</i>	
Rabies	1
Tetanus	1
Anthrax	1
Sap	1
Microsporia	1
Trichophytosis	1
<i>Epidemiology and surveillance system for parasitic diseases</i>	
Malaria	1
Toxoplasmosis	1
Leishmaniasis	1
Amoebiasis	1
Giardiasis	1
Ascariasis	1

Hymenolepidosis	1
Hookworm disease	1
Echinococcosis	1
Teniosis	1
Diphyllobothriosis	1
Toxocarosis	1
Trichinella	1
Opisthorchiasis	1
Fasciolosis	1
<i>Epidemiology and prevention of non-communicable diseases</i>	
Cardiovascular diseases	1
Bronchopulmonary	1
Urological	1
Oncological	1
Endocrine	1
2.1.10. MILITARY EPIDEMIOLOGY	
Assessment of the structure of sanitary and anti-epidemic institutions of the troops	1
Conducting sanitary and epidemiological investigation	1
Carrying out the indication of bacteriological agents	1
Organization and implementation of medical evacuation and regime-restrictive measures	1
Conducting antibacterial protection of troops	1
Anti-epidemic provision and antibacterial protection of troops	1
Conducting epidemiological measures in case of emergencies and disasters	1
To determine the goals and objectives of sanitary and epidemiological intelligence, depending on its type	1
Define goals and objectives depending on the type of display	1

2.2. PROFILE SKILLS

COMPETENCIES	Level
2.2.1. GENERAL HYGIENE	
<i>Air research</i>	
Temperature detection	1
Determination of humidity	1
Determination of air mobility	1
Determination of atmospheric pressure	1
Determination of the complex effect of physical factors of air on the human body	1
Determination of the CO ₂ of the air environment	1
Determination of natural illumination	1
Determination of artificial illumination	1
<i>Water research</i>	
Determination of stiffness	1
Determination of fluorides	1
Clarification of water	1
Disinfection of water	1
<i>Nutrition Research</i>	
Determination of nutrition adequacy by anthropometric indicators	1
<i>Soil research</i>	
Soil research on physical and mechanical properties	1
<i>Air pollution research</i>	
Air dustiness research	1
Noise research	1
Vibration research	1
<i>Studying the health of children and adolescents</i>	
Research and assessment of physical development of children and adolescents	1
2.2.2. GENERAL EPIDEMIOLOGY	
Collecting the necessary research material	1

Registration of a situation report using appropriate registration forms, analysis and interpretation of the results obtained	1
Assessment of public health indicators	1
Identification of the main cause-and-effect relationships of the spread of infectious and non-communicable diseases	1
Calculation of intensive, extensive morbidity rates	2
Calculation of the average error and confidence intervals. Fashion, median, OR, OSH, R	1
Conducting an examination of the outbreak of infectious diseases	1
Organization of anti-epidemic measures in the outbreak of an infectious disease	1
Organization of anti-epidemic measures in the focus of natural focal infections	1
Calculation of the evaluation of the effectiveness of vaccination	1
The use of accounting and reporting forms of morbidity for data collection	2
Calculation of morbidity, mortality, disability and temporary disability	1
Calculation of medical, social and economic damage to morbidity	1
Conducting an analytical investigation of the data obtained	1
Forecasting the consequences of disasters and emergencies	1
Sampling in the focus of intestinal and aerosol infections	1
Conducting sampling in medical institutions, medical institutions, schools according to epidemiological indications	1
Analysis of the structure of the registered morbidity of the territory	1
Analysis of long-term morbidity dynamics	1
Conducting an analysis of the annual dynamics of morbidity	1
Conducting an analysis of morbidity by epidemiological signs	1
Determination of the methodology, algorithm and quality of sterilization of medical instruments	2
Monitoring and evaluation of the knowledge of health workers on the hand washing algorithm	1
Development of a hypothesis about the causes of the spread of the disease based on evidence-based medicine methods	2

2.2.3. COMMUNAL HYGIENE	
Hygiene of water and water supply	
The choice of sources of centralized household and drinking water supply in the practice of sanitary supervision	1
Drawing up a conclusion on the correctness of the choice of a water supply source	1
Drawing up a conclusion on the correctness of the choice of the accepted technological scheme of water treatment and the location of the site of the head structures	1
Conducting a sanitary inspection of a water supply station and its assessment	2
Hygienic assessment of methods of water treatment and treatment facilities from water supply sources (coagulation)	
Determination of the optimal dose of coagulant	1
Determination of the color of water	1
Determination of water transparency	1
Determination of total and eliminated water hardness	1
Determination of water alkalinity	1
Hygienic assessment of methods of disinfection of drinking water	
Determination of the percentage of active chlorine in bleach	1
Determination of the optimal dose of chlorine in water	1
Determination of residual chlorine in water	1
Organization and conduct of laboratory quality control of drinking water	
Determination of the organoleptic properties of water	1
Determination of the chemical composition of water	1
Determination of water hardness	1
Determination of the dry residue of water	1
Determination of chlorides (chlorine ion) of water	1
Determination of permanganate oxidizability of water	1
Determination of ammonium nitrogen in water	1
Determination of nitrites in water	1
Determination of nitrates in water	1

Protection of water bodies	
Identification of pollution sources and study of their impact on the reservoir	1
Determination of sanitary conditions for the discharge of wastewater into a reservoir (by calculation method)	2
Methods of laboratory examination of wastewater samples	
Determination of wastewater temperature	1
Determination of the color of wastewater	1
Determination of wastewater odour	1
Determination of wastewater transparency	1
Determination of sedimentary substances of wastewater	1
Determination of suspended solids of wastewater	1
Determination of dissolved oxygen of wastewater	1
Definition of BOD	1
Soil hygiene and cleaning of populated areas	
Soil sampling for chemical analysis, bacteriological and helminthological studies	1
Sanitary inspection of solid and liquid waste disposal facilities	2
Atmospheric air hygiene	
Organization of monitoring of atmospheric air pollution	2
Assessment of the degree of atmospheric air pollution (by nomogram)	1
Calculation of the maximum permissible emission for a single stationary source of pollution and its hygienic assessment	1
Air sampling of residential and public buildings	1
Methods of laboratory examination of atmospheric air	
Determination of dust concentration	1
Determination of sulfur dioxide	1
Determination of nitrogen dioxide	1
Hygiene of residential and public buildings	
Organization and assessment of sanitary protection zones of industrial enterprises	2
Assessment of natural and artificial lighting of premises when considering residential and public building projects	1

Assessment of the duration of insolation of residential buildings and residential areas	1
Assessment of heating and ventilation of residential and public buildings	1
Assessment of the microclimate of residential and public buildings	1
Assessment of the noise regime of the residential area at the stage of preventive sanitary supervision	2
Assessment of the noise of urban highways.	1
Hygiene of planning and development of populated areas	
Determination of the density of residential buildings, the density of the housing stock and the density of the population of the neighborhood	2
Sanitary inspection of the hospital	1
Sanitary examination of the barbershop	1
Hygiene of medical and preventive organizations (LPO)	
Determination of the microclimate parameters of medical facilities and their assessment	1
Assessment of heating and ventilation of medical facilities	1
Assessment of natural and artificial lighting of medical facilities	1
2.2.4. OCCUPATIONAL HYGIENE	
Methods of studying the effect of the labor process on the body of the worker	
Definition visually (audibly)- motor reaction, speed of visual perception, tremor of the hand, threshold of skin sensitivity	2
Determination of the endurance coefficient	1
Determination of energy consumption in the course of work	1
Conducting research and evaluating muscle performance	1
Determination of the percentage distribution of working time in production conditions	1
Photogoniometric method of research and evaluation of the working posture	1
Assessment of the severity and intensity of the labor process	1
Investigation of the industrial microclimate	
Measurement and assessment of the microclimate of industrial premises	1
Calculation of the thermal load index of the environment	1

Measuring the intensity of thermal radiation	2
Assessment of heat perception indicators of workers in production conditions	1
Methods for monitoring and evaluating the dust content in the air of the working area	
Conducting dust sampling in the air of the work area	1
Determination of dust dispersion and particle morphology	1
Bringing the volume of extended air to normal conditions	1
Calculation of the average and maximum single dust concentration in the air of the working area	1
Calculation of dust and control dust load on respiratory organs	1
Calculation of work experience taking into account the dust load of the environment	1
Research methods and assessment of industrial noise	
Carrying out noise measurement in production	1
Estimation of frequency composition and equivalent noise level	1
Research methods and evaluation of industrial vibration	
Measurement of general and local vibration	1
Conducting a spectral analysis of vibration	1
Conducting an integrated vibration assessment in time and frequency	1
Research methods and evaluation of non-ionizing radiation	
Measuring EMR in the workplace and on an open work site	1
Measurement of laser radiation in the workplace	1
Research methods for industrial lighting	
Measurement of illumination and brightness in the workplace	1
Determining the nature of visual work	1
Determination of the reflection coefficient and contrast value	1
Rationing of the coefficient of natural illumination, taking into account the light belt	1
Research methods of industrial ventilation	
Evaluation of the efficiency of operating ventilation systems	1
Determining the performance of the ventilation system	1

Toxicology	
Carrying out express methods for the determination of chemicals in the air	1
Air sampling for toxicological studies	1
Conducting an examination of chemicals in the air of the work area	2
Determination of the toxicity of chemicals in acute, subacute and chronic experiments	2
Establishment of an approximately safe level of substances and the maximum permissible concentration	2
State sanitary supervision in the field of occupational health	
Assessment of working conditions in selected industries	1
Monitoring the health status of employees	
Organization of preliminary and periodic medical examinations	1
Accounting and registration of occupational diseases, poisoning and accidents at work	1
Drawing up an act of investigation of occupational diseases, poisoning and occupational diseases at work	2
Conducting an analysis of morbidity and HC material in production	2
2.2.5. FOOD HYGIENE	
Methods of nutrition study and assessment of nutritional status	
Determination of the body's energy expenditure	1
The study of the chemical composition and nutritional value of the diet	1
Assessment of the diet	1
Assessment of the nutritional status of the body	1
Making a conclusion on actual nutrition	1
Determination of the body's vitamin C supply by capillary resistance	1
Determination of vitamin C in urine by Zheleznyakova	1
Assessment of the nutritional and energy value of ready meals and products	
Calculation of the chemical composition and energy value of ready meals	1
Sampling of ready meals and food products	1
Organoleptic research	1

Determination of the mass of the dense and liquid part of the dish, homogenization	1
Determination of moisture and dry residue of ready meals and products	1
Protein determination in ready meals and food products	2
Determination of fat in ready meals and food products	2
Calculation of carbohydrates and energy value of ready meals and products	1
Determination of the C-vitamin activity of ready meals and calculation of losses during cooking	1
Carrying out C-fortification of dishes and drinks, calculating the dose of vitamin	1
Determination of the quality of food fortification	1
Food quality and safety	
Examination of milk and dairy products	
Sampling	1
Organoleptic research	1
Determination of milk freshness indicators	1
Determination of milk naturalness indicators	1
Determination of protein in milk	1
Reaction to milk pasteurization	1
Definition of falsification	1
Determination of acidity	1
Determination of fat content	1
Determination of humidity	1
Determination of fat content	1
Meat examination	
Sampling	1
Organoleptic research	1
Bacterioscopic examination of meat	1
The reaction of the broth with copper sulfate	1
Determination of the content of aminoammiacic nitrogen	2
Determination of the content of volatile fatty acids	2

Meat evaluation according to the 25 point system	1
Research and evaluation of meat for the maintenance of finns	1
Research and evaluation of meat for the content of trichinella	1
Examination of sausage products	
Sampling	1
Organoleptic research	1
Determination of moisture content	1
Determination of table salt content	1
Determination of nitrite content	1
Determination of starch content	1
Examination of fish and fish products	
Sampling	1
Organoleptic research	1
Determination of ammonia content	1
Determination of hydrogen sulfide content	1
Determination of table salt in salted fish	1
Examination of canned food	
Sampling	1
External inspection of cans	1
Determination of tightness	1
Organoleptic research	1
Determination of physico-chemical parameters	1
Examination of grain products	
Sampling	1
Organoleptic research	1
Determination of humidity	1
Determination of acidity	1
Magnetic test	1

Determination of ergot admixture	1
Identification of flour pests	1
Determination of gluten	1
Determination of the clogging of cereals by the method of analysis	1
Determination of the contamination of cereals with insect pests and mites	1
Determination of physico-chemical parameters	1
Examination of fats and oils	
Sampling	1
Organoleptic research	1
Determination of table salt content	1
Determining the degree of freshness	1
Determination of the acid number	1
Determination of the naturalness of fat	1
Examination of soft drinks	
Sampling	1
Organoleptic examination	1
Determination of density by a sugar meter	1
Determination of acidity	1
Reaction to saccharin	1
Reaction to a preservative	1
Definition of artificial dyes	1
2.1.6. HYGIENE OF CHILDREN AND ADOLESCENTS	
The study of the physical development of children and adolescents	
Conducting anthropometric research	1
Conducting physiometric studies	1
Conducting somatoscopic examinations	1
<i>Assessment of the physical development of the team and the individual</i>	
Collection of indicators of physical development by generalizing and individualizing method	1

Assessment of the physical development of an individual (the method of sigma deviations, evaluation tables (regression scale), complex method, centile method)	1
Calculation and analysis of indicators of the health status of the child population	1
Assessment of neuropsychiatric health	
The study and assessment of the mental development of children and adolescents (psychohygiene)	1
Assessment of the health status of children and adolescents	
Conducting a comprehensive assessment of the state of health according to Grombach's criteria	1
Definition of a health group	1
Determination of morbidity indicators	1
Determining the health index	1
Hygienic assessment of the educational process in preschool and general education institutions	
Determining the training load	1
Assessment of the duration and structure of lessons	1
Evaluation of the class schedule	1
Assessment of the density and motor density of physical education and labor lessons	1
Assessment of educational and industrial training of adolescents in educational institutions of vocational education	1
Determination of psychoemotional factors of the educational process	2
Assessment of the organization of vacation and wellness work	2
Studying the functional state, working capacity, motor activity and subjective state of children and adolescents	
Assessment of the functional state of the body during the educational process	2
Assessment of physical performance	1
Assessment of mental performance	1
The study of motor activity	1
The study of the subjective state of the body	1
Determining the functional readiness of 6-year-old children to enter school	2
Conducting a comprehensive assessment of children's school maturity	2

Hygienic assessment of physical education of children and adolescents in preschool and schools	
Assessment of physical education classes in kindergarten and general education institutions	1
Assessment of the functional capabilities of the child's body during physical activity	2
Assessment of the degree of hardening of the body	2
Definitions of the group of physical education of schoolchildren for health reasons	2
Hygienic assessment of labor education and training of children and adolescents	
Assessment of the organization of labor education and training in general education institutions and vocational educational institutions	1
Assessment of the employment of schoolchildren in their free time	1
Organization and conduct of professional orientation and medical and professional consultations at school	2
Hygienic assessment of nutrition of children and adolescents	
Studying energy consumption	1
Studying the diet	1
Hygienic assessment of children's household items	
Sampling and sample preparation for testing of children's household items	2
Assessment of organoleptic parameters of clothing, shoes, school supplies	1
Determination of hygroscopicity of clothing and footwear materials	1
Determination of the breathability of clothing and footwear materials	1
Determination of the electrification of clothing materials	2
Determination of sanitary and chemical parameters of clothing, footwear and toys materials	2
Determination of toxicological and hygienic parameters of clothing, footwear and toys materials	2
Assessment of the thermal protection properties of children's clothing	2
Determination of the resistance of the protective and decorative coating of toys to wet treatment, saliva and sweat	1
Determining the sound level produced by the toy	1
Determining the level of electromagnetic fields of a toy	1

Determining the radiation level of toys	2
Evaluation of the font design of the text of the publication	1
Evaluation of the publishing design of textbooks	1
Assessment of the quality of printing materials	1
Assessment of the quality of printing of publications for children	1
Evaluation of computer-based learning tools	2
State supervision over the conditions of upbringing and education of children and adolescents	
Assessment of the organization of medical care for children and adolescents in preschool and general education institutions	2
2.2.7. RADIATION HYGIENE	
Dosimetry of external and internal radiation	
Registration of ionizing radiation	2
Measuring the activity of drugs using a dosimeter	2
Calculation of the dose of external and internal radiation	1
Group and individual dosimetric control	1
Determination of the content of radioactive substances in the body by direct methods	1
Determination of the content of radioisotopes in the body by indirect methods	2
Sanitary examination of environmental objects	
Sampling of air, water, plankton, benthos, sediments, soil and building materials	1
Sampling of contamination of work surfaces and workers' hands	1
Determination of radioactive aerosols in atmospheric air	2
Determination of radon in atmospheric air	2
Conducting radiometric studies	1
Conducting radiochemical research	2
Methods of decontamination of radioactive substances	
Air decontamination	2
Decontamination of water	1
Decontamination of surfaces (premises, equipment, PPE and hands, etc.)	1

Assessment of the effectiveness of decontamination (water, air, premises, equipment, personal protective equipment and hands)	1
State sanitary supervision of ionizing radiation sources	
Sanitary inspection of institutions and enterprises using radioactive substances and sources of ionizing radiation	2
Organization and conduct of preliminary and periodic medical examinations of persons working with ionizing radiation	2
Reissue of sanitary passports for the right to work with ionizing radiation	2
Conducting an investigation of emergency situations and developing preventive measures	2
Monitoring the effectiveness of work on the elimination of accidents and its consequences	2
Radiation and hygienic inspection of residential and public buildings	
Determination of the gamma radiation dose rate	1
Determination of the average annual value of radon isotope erosion in indoor air	1
Assessment of radioactivity in residential and public buildings	2
2.2.8. MILITARY HYGIENE	
Investigation of the deployment of troops	
Conducting a sanitary and hygienic assessment of the choice of location for defensive fortifications	2
Methods for improving water quality in the field	
Organoleptic research	1
Assessment of the quality of water coagulation in the field	1
Calculation of the dose of active chlorine	1
Determination of the activity of the pantocide tablet	1
Carrying out complex water purification with the help of standard tools	1
Methods of compiling and evaluating the layout of the basic soldier's rations	
Conducting an analysis of the layout of the main soldier's rations	1
Carrying out nutrition correction for military personnel	1
Evaluation of the quality of canned food	1
Determination of vitamin C in foods and vitamin preparations	1

Dose calculation and C-fortification of ready meals and drinks	1
Conducting a language test to determine vitamin content	1
2.2.9. PRIVATE EPIDEMIOLOGY	
Conducting an epidemic outbreak survey	1
Identification of the source of infection and identification of transmission routes	1
Conducting events among contact persons	1
Monitoring of the implementation of the convalescence medical examination	1
Establishment of regime-restrictive measures	1
Monitoring of the immunological status of the contact and the patient	1
Carrying out preventive measures	1
2.2.10. MILITARY EPIDEMIOLOGY	
Assessment of the epidemiological situation depending on the etiology of the bacteriological weapon used	1
To establish regime-restrictive measures (observation and quarantine) in accordance with the epidemic situation	1
Apply medical evacuation measures in accordance with the epidemic situation	1
Use methods of visual, physical and chemical reconnaissance methods	1
Determination of conditions and modes of deployment of infectious diseases field hospitals	1
2.2.11. INFORMATION MANAGEMENT	
The application of the legal and legislative bases of the activities of the CSSEN doctor in the field of ensuring the sanitary and epidemiological well-being of the population	2
Preparation of primary documentation, inspection reports, sanitary passports, protocols on sanitary violations, accounting and reporting documents, etc.	2
To organize and carry out activities for the hygienic education of the population, the dissemination of knowledge about a healthy lifestyle	1
Collection, grouping, statistical processing and analysis of information on the health status of the population and the factors determining it on the basis of relevant accounting and reporting documents	1
Determination of the group of increased risk of violation of the health status of the population by indicators	1
Drawing up a conclusion based on the results of research, followed by the	2

preparation of sanitary and hygienic and anti-epidemic measures	
---	--

CHAPTER 3. DISCIPLINARY COMPETENCIES

3.1. CLINICAL CONDITIONS/NOSOLOGY

COMPETENCIES	Level
3.1.1. INTERNAL DISEASES	
A. THERAPY	
<i>Respiratory diseases</i>	
Pneumonia	1
Lung abscess	2
Bronchiectatic disease	2
Pleurisy	2
Chronic obstructive pulmonary disease	2
Bronchial asthma	2
Tobacco addiction	2
Respiratory failure	2
Chronic pulmonary heart disease	2
<i>Diseases of the circulatory system</i>	
Atherosclerosis	1
Coronary heart disease. Angina pectoris	2
Myocardial infarction	2
Hypertension	1
Disorders of excitability and conduction of the heart	2
Acute and recurrent rheumatic fever	2
Chronic rheumatic heart disease. Mitral and aortic heart defects	2
Heart failure	2

Symptomatic arterial hypertension	2
<i>Diseases of joints and connective tissue</i>	
Rheumatoid arthritis	2
Gout	2
Osteoarthritis	1
Ankylosing spondylitis	2
Reactive arthritis	2
Systemic lupus erythematosus	2
Systemic progressive sclerosis	2
Inflammatory myopathies and dermatomyositis	2
<i>Diseases of the digestive system</i>	
Chronic gastritis	2
Peptic ulcer of the stomach and duodenum	2
Chronic hepatitis	2
Cirrhosis of the liver	2
Chronic cholecystitis	1
Ulcerative colitis	2
Crohn's disease	2
Chronic pancreatitis	2
Gastroesophageal reflux disease	1
<i>Diseases of the urinary system</i>	
Glomerulonephritis	2
Chronic pyelonephritis	2
Chronic kidney disease	2
Acute kidney injury	2
<i>Diseases of the endocrine system and metabolic disorders</i>	
Diabetes mellitus	2
Metabolic syndrome	2
Diffuse toxic goiter	2

Iodine deficiency conditions (endemic goiter)	2
Autoimmune thyroiditis	2
<i>Diseases of the hematopoiesis system</i>	
Latent iron deficiency. Iron deficiency anemia	2
Hemorrhagic vasculitis	2
Alpine climate therapy	2
B. OCCUPATIONAL DISEASES	
Pneumoconiosis	2
Silicosis. Silicotuberculosis	2
Chronic obstructive pulmonary disease of occupational etiology	2
Occupational bronchial asthma	2
Lead intoxication	2
Intoxication with metallic mercury	2
Vibration sickness	2
Benzene intoxication	2
Occupational intoxication with organophosphate compounds of pesticides	2
C. MILITARY FIELD THERAPY/ EXTREME MEDICINE	
Radiation damage: Acute radiation sickness. Chronic radiation sickness	2
Prolonged crushing syndrome	2
Diseases of internal organs when exposed to a shock wave	2
Diseases of internal organs in case of gunshot wounds	2
D. INFECTIOUS DISEASES	
<i>Intestinal infections and parasitoses</i>	
Typhoparathyphoid diseases	2
Food toxicoinfections	1
Botulism	2
Dysentery	1
Protozoal colitis	2

Cholera	2
Helminthiasis	2
<i>Viral hepatitis</i>	
Hepatitis A	1
Hepatitis B	2
Hepatitis C	2
Hepatitis D	2
Hepatitis E	2
<i>Zoonotic infections</i>	
Brucellosis	1
Leptospirosis	2
Yersiniosis infection	2
Ornithosis	2
Q fever	2
Anthrax	2
Plague	2
<i>Airborne infections</i>	
Acute respiratory viral infections (influenza, coronavirus infection, etc.)	1
Herpes infection	1
Enterovirus infection	1
Meningococcal infection	2
<i>Blood-borne vector-borne infections</i>	
Epidemic typhus. Brill's disease	2
Tick-borne rickettsiosis (North Asian)	2
Tick-borne encephalitis	2
Malaria	2
Leishmaniasis	2
Hemorrhagic fevers	2

<i>Other infectious diseases</i>	
Erysipelas	1
Tetanus	2
Rabies	2
HIV infection	2
E. TUBERCULOSIS	
Latent tuberculosis infection	2
Pulmonary tuberculosis (all clinical forms)	1
Extrapulmonary tuberculosis	2
Tuberculosis in special cases (in combination with HIV infection, etc.)	2
F. DISEASES OF THE NERVOUS SYSTEM	
Transient disorders of cerebral circulation	2
Ischemic strokes	2
Hemorrhagic strokes	2
Encephalopathies of various etiologies	2
Neuritis	2
Polyneuropathies	2
Sciatica, sciatica	2
Plexitis, natal plexitis	2
Epilepsy, convulsive states	2
Infantile cerebral spastic paralysis	2
Syringomyelia	2
Myasthenia gravis	2
Multiple sclerosis	2
Leukoencephalitis	2
Amyotrophic lateral sclerosis	2
Parkinson's disease and syndrome	2
Myodystrophy	2

Migraine	2
Cluster headache	2
Tension headache	2
Diencephalic hypothalamic syndrome	2
Brain tumors	2
G. MENTAL AND BEHAVIORAL DISORDERS	
Dementia, issues of psychoprophylaxis	2
Delirium	2
Disorders associated with the use of psychoactive substances (acute intoxication, withdrawal syndrome)	2
Alcohol and drug addiction. Issues of psychoprophylaxis	1
Psychohygiene and rehabilitation of people with addiction to surfactants	1
Acute psychotic disorders	2
Chronic psychotic disorders, issues of psychoprophylaxis	2
Affective mood disorders, issues of psychoprophylaxis	2
Suicidal behavior, suicide prevention	1
Anxiety-phobic disorders	2
Somatoform and dissociative disorders	2
Panic disorder	1
Post-traumatic stress disorder.	2
Adaptation disorders, issues of psychoprophylaxis	2
Reaction to severe stress	2
Mental disorders related to physiological disorders	2
Specific personality disorders	2
Disorders of habits and drives, issues of psychoprophylaxis	2
Mental retardation, issues of rehabilitation of persons with mental retardation	2

H. SKIN AND VENEREAL DISEASES

<i>Non-communicable skin diseases</i>	
Dermatitis	1
Toxicoderma	2
Eczema	2
Atopic dermatitis	1
Scratching (children's, adult, knotty)	1
Skin itching	1
Urticaria	1
Psoriasis	2
Red lichen planus	2
Pink lichen	2
Cystic dermatoses (pemphigus, Dering's disease)	2
Seborrhea	2
Rosacea	2
Vulgar acne	2
Alopecia (androgenetic, nest, telogen)	2
Diseases of the nail plates (onychodystrophy)	2
<i>Infectious skin diseases</i>	
Viral warts (vulgar, flat, plantar, anogenital)	2
A contagious mollusk	1
Herpes simplex	1
Herpes zoster	2
Pediculosis	1
Scabies	1
Fungal skin diseases	1
Pyoderma	1
Leprosy	2
Leishmaniasis	2
<i>Venereal diseases</i>	

Syphilis	2
Gonorrhea	1
Trichomoniasis	1
Chlamydia, mycoplasma infection	1
Bacterial vaginosis	1
Soft chancre	2
3.1.2. SURGICAL DISEASES	
A. SURGERY	
<i>Diseases of the gastrointestinal tract</i>	
Acute appendicitis	2
Complicated forms of gastric ulcer and duodenal ulcer	2
Postgastroresection syndrome	2
Post-vagotomy syndrome	2
Acute cholecystitis. Cholelithiasis	2
Postcholecystectomy syndrome	2
Acute pancreatitis, cysts and fistulas of the pancreas	2
Peritonitis	2
Diseases of the esophagus (post-burn strictures of the esophagus, foreign bodies, achalasia of the cardia, GERD, diverticula,)	2
Parasitic liver diseases (echinococcosis, alveococcosis)	2
Portal Hypertension Surgery	2
Nonparasitic liver cysts, abscesses	2
Surgical diseases of the small intestine	2
Surgical diseases of the colon	2
Acute intestinal obstruction	2
Gastrointestinal fistulas	2
Abdominal hernias	2
Diseases of the spleen	2
<i>Vascular diseases</i>	

Acute arterial obstruction, embolism	2
Pulmonary embolism	2
Thrombosis of mesenteric vessels, vessels of extremities	2
Atherosclerosis of blood vessels, obliterating endarteritis	2
Varicose veins of the lower extremities	2
Phlebitis, thrombophlebitis	2
Diabetic angiopathy of the lower extremities	2
<i>Respiratory diseases</i>	
Open, closed, valve pneumothorax	2
Pyopneumothorax	2
Abscesses, gangrene of the lungs	2
Pleurisy (purulent pleurisy, empyema of the pleura)	2
Parasitic lung lesions	2
Acute purulent mediastinitis	2
Mediastinal cysts	2
<i>Diseases of the endocrine system</i>	
Purulent-inflammatory diseases of the thyroid gland	2
Goiter	2
Diseases of the adrenal glands	2
<i>Purulent diseases, wound infection</i>	
Boil	1
Carbuncle	1
Abscess	1
Phlegmon	1
Panaricius, paronychius	1
Hydradenite	1
Lymphadenitis	2
Sepsis	2
Gangrene	2

Erysipelas	2
<i>Breast diseases</i>	
Mastitis	2
Mastopathy	2
<i>Diseases of the rectum</i>	
Hemorrhoids	2
Crack of the anus	2
Rectal prolapse	2
Paraproctitis	2
Pararectal fistula	2
Polyps of the rectum	2
Epithelial coccygeal passage (dermoid cyst)	2
Perianal warts and benign formation of the perianal region	2
<i>Other surgical diseases</i>	
Benign neoplasms of the skin and subcutaneous tissue	2
Burns	2
Ingrown toenail	2
B. UROLOGY	
Acute kidney disease	2
Urolithiasis	2
Toxic kidney damage	2
Cystitis, acute and chronic	1
Urethritis	1
Congenital abnormalities of the kidneys and urinary tract	2
Hypertrophy of the foreskin, phimosis, paraphimosis	2
Urinary incontinence	2
Prostatitis	2
Benign prostatic hyperplasia	2
Male infertility	2

Erectile dysfunction	2
C. TRAUMATOLOGY AND ORTHOPEDICS (DISEASES OF CHILDREN AND ADULTS)	
Bruises	1
Wounds	1
Fractures, cracks	2
Dislocations	2
Osteochondropathy	2
Congenital clubfoot	2
Congenital dislocation of the hip	2
Flat feet	2
Muscular torticollis	2
Scoliosis, kyphosis of the spine	2
D. EYE DISEASES	
Conjunctivitis	1
Blepharitis	2
Dacryoadenitis, dacryocystitis	2
Keratitis	2
Barley	1
A foreign body of the eye	1
Glaucoma	2
Myopia	2
Hypermetropia	1
Presbyopia	2
Strabismus	2
Cataract	2
E. DISEASES OF THE EAR, THROAT, NOSE	
Rhinitis	1

Sinusitis	2
Polyposis of the upper respiratory tract	2
Pharyngitis, laryngitis, tracheitis	1
Angina, chronic tonsillitis	1
Laryngeal edema, false croup	2
External, otitis media	2
A foreign body of ENT organs	2
Nosebleeds	2
Hearing loss	2
F. ONCOLOGICAL DISEASES	
Thyroid cancer	2
Cancer of the tongue, oral mucosa, and lower lip.	2
Cancer of the parotid salivary gland, small salivary glands	2
Malignant neoplasms of the upper jaw	2
Nasopharyngeal cancer	2
Laryngeal cancer	2
Skin Cancer	2
Melanoma	2
Hodgkin's disease	2
Non-Hodgkin's lymphomas	2
Tumors of bones and soft tissues	2
Lung cancer	2
Esophageal cancer	2
Stomach cancer	2
Cancer of the colon and small intestine	2
Rectal cancer	2
Cancer of the liver and biliary tract	2
Pancreatic cancer and fater's nipple	2

Carcinoid tumors	2
Breast cancer	2
Trophoblastic disease	2
Cervical cancer	2
Cancer of the uterine body	2
Ovarian cancer	2
Vulvar cancer	2
Vaginal cancer	2
Kidney cancer	2
Bladder cancer	2
Prostate cancer	2
Testicular cancer and penile cancer	2
Precancerous diseases of the oral mucosa, lower lip, tongue.	2
Precancerous skin diseases.	2
Precancerous lung diseases.	2
Precancerous diseases of the esophagus.	2
Precancerous diseases of the stomach	2
Precancerous diseases of the large intestine.	2
Precancerous diseases of the breast.	2
Precancerous diseases of the cervix.	2
Precancerous diseases of the uterine body	2
Precancerous ovarian diseases.	2
Precancerous diseases of the kidney, bladder, and prostate.	2
Rehabilitation of cancer patients	1

3.1.3. OBSTETRICS AND GYNECOLOGY

A. OBSTETRICS

Physiological pregnancy	2
Childbirth is physiological	2
Postpartum period, breastfeeding	2
Pelvic presentation	2
Incorrect fetal positions (transverse, oblique)	2
Multiple pregnancies	2
Polyhydramnios, lack of water	2
Premature birth. Spontaneous abortion (miscarriage)	2
Delayed pregnancy	2
Anomalies of labor activity	2
Vomiting of pregnant women	1
Preeclampsia and eclampsia	2
Rh-isoimmunization	2
Fetal hypoxia	2
Placenta previa	2
Premature detachment of a normally located placenta	2
Bleeding in the subsequent and early postpartum period	2
Anatomical and clinical narrow pelvis	2
Obstetric injuries (ruptures of the vulva, vagina, perineum, cervix, uterus)	2
Postpartum septic complications	2
Lactostasis	2
B. GYNECOLOGY	
Inflammatory diseases of the female genital organs of specific and non-specific etiology	2
Infected abortion, community-acquired abortion, sepsis, septic shock	2
Ectopic pregnancy	2
Colpitis, vulvovaginitis of nonspecific and specific etiology	2
Ovarian apoplexy	2
Abnormal uterine bleeding	2

Amenorrhea	2
Premenstrual syndrome	2
Adrenogenital syndrome	2
Polycystic ovary syndrome	2
Infertility	2
Algodismenorrhea	2
Menopausal syndrome	2
Endometriosis	2
Uterine fibroids	2
Background diseases of the cervix and vulva	2
Benign cysts, ovarian cysts	2
Traumatic injuries of the genitals	2
Family planning, contraception	2
3.1.4. PEDIATRICS	
A. CHILDHOOD DISEASES	
<i>Diseases of early age</i>	
Rickets	1
Hypervitaminosis D	1
Spasmophilia	2
Exudative catarrhal diathesis	1
Lymphatic-hypoplastic diathesis	2
Neuroarthritic	2
diathesis Allergic diathesis	1
Eating disorders (acute, chronic)	1
<i>Respiratory diseases</i>	
Bronchitis (acute, recurrent, chronic)	1
Pneumonia	2
Bronchial asthma	2

Bronchiectatic disease	2
Bronchopulmonary dysplasia	2
Idiopathic hemosiderosis of the lungs	2
Cystic fibrosis (pulmonary form)	2
Idiopathic pulmonary hypertension	2
<i>Diseases of the circulatory system</i>	
Acute rheumatic fever	2
Congenital heart defects	2
Myocarditis	2
Cardiomyopathy	2
Chronic heart failure	2
Myocardiodystrophy	2
Infectious endocarditis	2
Pericarditis	2
<i>Diseases of the digestive system</i>	
Gastritis and gastroduodenitis	1
Peptic ulcer of the stomach and duodenum	2
Nonspecific ulcerative colitis	2
Pancreatitis, acute and chronic	2
Malabsorption syndrome in children (celiac disease, disaccharidase deficiency)	2
Functional diseases of the digestive system	1
Dyskinesia of the biliary tract and gallbladder	1
Cholecystitis, cholangitis, cholelithiasis	2
Chronic hepatitis	2
Cirrhosis of the liver	2
<i>Diseases of the urinary system</i>	
Glomerulonephritis, acute and chronic	2
Nephrotic syndrome	2
Pyelonephritis, acute and chronic	1

Cystitis, acute and chronic	1
Acute kidney disease	2
Chronic kidney disease	2
Tubulopathy, with skeletal abnormalities, polyuria, nephrolithiasis	2
Hereditary jade	2
Hemolytic-uremic syndrome	2
<i>Diseases of the blood system and organs of hematopoiesis</i>	
Iron deficiency anemia	1
Protein-deficiency anemia	2
B12-, folic acid deficiency anemia	2
Hemolytic anemia (hereditary and acquired)	2
Aplastic anemia (hereditary, acquired)	2
Hemorrhagic vasculitis	2
Idiopathic thrombocytopenic purpura	2
Hemophilia	2
Hereditary thrombocytopathies	2
<i>Diseases of the endocrine system</i>	
Diabetes mellitus	2
Hypothyroidism (myxedema)	2
is a diffuse toxic goiter	2
Endemic goiter	2
Diseases of the parathyroid glands, hypoparathyroidism and hyperparathyroidism	2
Obesity, metabolic syndrome	2
Adrenogenital syndrome	2
Chronic adrenal insufficiency	2
Acute adrenal insufficiency	2
Growth retardation associated with growth hormone deficiency	2
Pituitary gigantism	2

Acromegaly	2
Hypogonadism in boys and girls	2
Premature sexual development in boys and girls	2
Diabetes insipidus	2
B. CHILDREN'S INFECTIOUS DISEASES	
<i>Acute intestinal infections</i>	
Dysentery	1
Salmonellosis	2
Escherichiosis	2
Staphylococcal infection	2
Acute intestinal infections caused by opportunistic enterobacteria	2
Viral diarrhea	2
Dehydration syndrome, toxicosis	2
<i>Acute respiratory infections</i>	
Flu in children	2
Parainfluenza in children	2
Adenovirus, rhinovirus, MS infection	2
Enterovirus infection in children	2
Coronavirus infection in children	2
<i>Acute viral hepatitis</i>	
Viral hepatitis with fecal-oral transmission mechanism (A, E)	1
Viral hepatitis with parenteral transmission mechanism (B, C, D)	2
<i>Drip infections</i>	
Scarlet fever	2
Measles	2
Rubella	2
Parvovirus infection B-19 in children	2
Chickenpox	1
Herpes infections	2

Whooping cough, paracoccussis	2
Mumps infection	2
Infectious mononucleosis	2
Diphtheria	2
Meningococcal infection and other Acute bacterial Meningitis	2
Polio	2
Primary and secondary encephalitis (measles, rubella, chickenpox)	2
<i>Other infectious diseases</i>	
HIV infection in children	2
Helminthiasis (ascariasis, enterobiosis, giardiasis)	2
Astro and noravirus infection	2
Mycoplasma and chlamydia infection	2
Post-vaccination complications	2
3.1.5. DENTAL DISEASES	
Dental decay	2
Pulpitis	2
Periodontitis	2
Non-carious lesions	2
Periodontal	2
disease of the salivary glands (salivary stone disease, Sjogren's syndrome)	2
Gingivitis	2
Stomatitis	2
Glossit	2
Purulent-inflammatory diseases of the maxillofacial region	2
Injuries to the bones of the maxillofacial region	2
3.1.6. URGENT CONDITIONS	
Shock (anaphylactic, septic, traumatic, hemorrhagic, cardiogenic, etc.)	2

Collapse	2
Coma (anemic, hypoglycemic, ketoacidotic, hyperosmolar, lactic acidemic, primary cerebral, cerebral, hepatic, of unknown etiology, hypothyroid, etc.)	2
Thyrotoxic crisis	2
Acute respiratory failure	2
Laryngeal edema, false croup	2
An attack of bronchial asthma	1
Acute heart failure	2
Acute myocardial infarction	2
Unstable angina pectoris	2
Hypertensive crisis of type 1	2
Hypertensive crisis of type 2	2
Cardiac arrhythmias and conduction disorders (paroxysm of atrial fibrillation and flutter, paroxysm of supraventricular and ventricular tachycardia, complete atrioventricular blockade)	2
Quincke's edema	1
Pulmonary embolism	2
Thrombosis of mesenteric vessels, vessels of extremities	2
Primary circulatory arrest	1
Pulmonary edema	2
Bleeding (gastrointestinal, nasal, uterine, pulmonary, posttraumatic, etc.)	2
disseminated intravascular coagulation syndrome	2
A sharp belly	2
Renal colic	2
Hematuria and postrenal anuria	2
Phimosis, paraphimosis	2
Priapism	2
Acute urinary retention	2
Acute liver failure	2
Concussion, bruising, compression of the brain	2

Brain stroke	2
Transient ischemic attack	2
Preeclampsia, eclampsia	2
Convulsive states	2
Myasthenic and cholinergic crises	2
Cerebral edema	2
Spinal injuries	2
Epileptic status	2
Psychomotor agitation	2
Acute stress reaction	2
Suicidal behavior	2
Delirium	2
Withdrawal syndrome	2
Panic attack	1
Acute attack of glaucoma	2
Chemical and thermal burns, frostbite	2
Electric shock, lightning, heat and sunstroke	2
Poisoning	2
Drowning, suffocation	2
Bone fractures, dislocation	2
Wounds	1
It will overwrite	2
Foreign bodies (gastrointestinal tract, respiratory tract)	2
Sepsis	2
Asphyxia of newborns	2
Obstructive syndrome in children	1
Acute respiratory failure in children	2
Hyperthermia in children	1

Blood transfusion reactions and complications	2
---	---

3.2. MEDICAL MANIPULATIONS

COMPETENCE LEVEL	LEVEL
3.2.1. GENERAL MANIPULATIONS	
A. QUESTIONING THE PATIENT. ANAMNESIS COLLECTION	
Collection of basic and additional complaints, assessment of the patient's perception of his/her problems	1
Assessment of the socio-economic status of the patient, cultural characteristics of the patient	1
Purposeful collection of anamnesis of the disease (asking about the history of this disease): the onset of the disease, the time of appearance and dynamics of symptoms; the ability to build a history of the disease in chronological order from the first symptoms to the moment of going to the doctor; the reason for going to the doctor	1
Life history collection (general information about the patient's life)	1
Collection of an allergological history	1
Collection of a medical (pharmacological) history	1
Collection of an epidemiological history	1
Collecting anamnesis from a third person	1
Understanding and responding to non-verbal signs	1
Collecting a psychiatric history	2
Communication and anamnesis collection from a patient with a serious illness or a dying patient	1
Communication and anamnesis collection in a patient with speech defects	2
Collecting a family history (drawing a family tree)	1
Collecting a professional history	2
Identification of harmful risk factors associated with patient behavior (smoking, low-activity lifestyle, dietary errors, hygiene habits, etc.)	1
Collecting a drug history	2
B. PHYSICAL EXAMINATION	
Assessment of the general condition of the patient (appearance, position, nutrition, consciousness, mental state)	1

Assessment of vital functions of the body (body temperature, frequency and type of respiration, pulse rate, arterial and venous pressure)	1
Documenting anthropometric data (height, weight, BMI, head circumference, waist, hip)	1
Examination of the skin and mucous membranes (signs of anemia, cyanosis, jaundice, edema, dehydration)	1
Determination of indications and contraindications for surgical intervention	2
Assessment of attention, thinking (form and content), perception, emotional and psychomotor behavior	1
Assessment of the ability to make decisions in a patient with cognitive impairment	2
Examination (forensic examination) of a patient under the influence of alcohol or a psychotic substance	2
Diagnosis of clinical death	1
Assessment of the time of death (cadaveric spots, rigor mortis, rectal temperature)	2
Examination of peripheral and central arterial pulsation, detection of arterial noise	1
Examination of lymph nodes	1
Detailed description of the skin lesion	1
Description of nails, scalp, visible mucous membranes	1
Definition of dermographism	1
Description of eye lids and eyelashes	1
Description of the upper eyelid with an inverted eyelid	2
Description of the width of the eye slit	2
Description of the conjunctiva, including the arch	2
Description of the sclera and cornea, during the fluorescein test	2
Determination of corneal sensitivity to touch	2
Description of the pupil, reaction to light and convergence	2
Description of the iris	2
Definition and description of nystagmus	2
Description of eye position and movement (corneal reflex)	2
Description of the optical disc and retinal vessels (the difference between a normal picture and a pathological one)	2
Examination and palpation of the auricle and the surrounding area (mastoid area)	1

Examination and palpation of the nose and face	1
Assessment of nasal obstruction and anterior rhinoscopy	2
Examination of the lips, oral region, oropharynx, as well as teeth, tongue, tongue root, pharyngeal arches, tonsils, examination of the excretory ducts of the parotid glands and submandibular glands	1
Palpation of the bottom of the mouth, cheeks, tonsils and tongue root	1
Examination and palpation of the parotid glands and submandibular glands	1
Assessment of voice and speech, detection of aphasia	2
External examination and palpation of the larynx	1
Examination, palpation and auscultation of the structures of the neck, thyroid, carotid arteries and lymph nodes	1
Palpation of the head and cervical spine, examination of mobility, soreness and stiffness of the cervical spine	1
Examination of the shape and mobility of the chest, examination of pain under pressure and/ or percussion	1
Examination of bones, joints, and muscles of the shoulder girdle	1
Determination of the size of the chest excursion - examination, palpation, measurement of the chest circumference	1
Palpatory detection of vocal tremor	1
Percussion of the lungs, determination of the excursion of the lower edge of the lungs	1
Auscultation of the lungs	1
Determination of the apical impulse (heart)	1
Defining the boundaries of cardiac dullness	1
Auscultation of the heart	1
Determination of peripheral vascular pulsation	1
Examination and palpation of mammary glands, including regional lymph nodes	1
Examination of the abdomen	1
Abdominal auscultation (intestinal noises)	1
Abdominal percussion (determination of the size of the liver, spleen)	1
Palpation of the abdomen (abdominal wall, intestines, liver, spleen, abdominal aorta, kidneys, pancreas)	1

Detection of abdominal pain, symptom of peritoneal irritation, muscle protection	1
Definition of "splash noise"	1
Determination of pain in the kidney area	1
Examination of inguinal hernia by examination and palpation of hernial gates	1
External examination and palpation of the perianal area	1
Rectal examination in men (anus, rectum, prostate gland, sacral spine)	2
Examination and palpation of the penis and scrotum (testicles, appendages of the testicle, spermatic cord)	2
Examination and palpation of female external genitalia (vulva, perineum)	2
Examination of the spine, spinal mobility, paravertebral muscles, standing and lying on the back (kyphosis, scoliosis, Schober test)	1
Palpation, percussion, determination of spinal soreness	1
Examination of ileosacral joints and pelvis (determination of mobility, soreness, atrophy)	1
Examination of shape, function, mobility, measurement of limb lengths and determination of upper limb soreness (wrist and elbow joints, finger joints, etc.)	1
Examination of shape, function, mobility, measurement of limb lengths and determination of lower limb soreness (ankle and knee joints, position, function, patellar relief)	1
Examination of the axis of the lower extremities (valgus and varus deformity of the knee joints)	2
Determination of the foot axis (hallux valgus and varus deformity of the feet)	2
Examination of the capillary pulse	1
Determination of arterial insufficiency, the Mashkovich method	2
Determination of varicose veins, Trendelenburg test, Perthes test	2
Determination of tendon reflexes (triceps, biceps, knee, elbow) and plantar reflex	1
Investigation of cranial nerve function	2
Study of passive muscle movements, study of muscle tone, muscle strength, involuntary movements, determination of muscle mass, contracture, atrophy	2
Definition of complex reflexes: abdominal, anal, mandibular, proboscis, grasping	2
Gait inspection (normal gait, on socks, with a limp on one side)	1
Coordination study (finger to nose, heel to shin, heel to toe, diadochokinesis)	1
The Romberg, Unterberger test	1

The study of tactile and pain sensitivity	1
Investigation of temperature, vibration and positional sensitivity	2
Discriminatory sensitivity (stereognosia)	1
Definition of meningeal symptoms	1
Examination of radicular cervical and lumbar symptoms	2
Assessment of the degree of impairment of consciousness	1
The study of orientation in space and time	1
Memory Research	2
C. GENERAL SKILLS	
Examination of a pregnant woman's abdomen	1
All types of injections, including intravenous drip of liquids	1
Interpretation of the results of intradermal diagnostic (Mantoux test) and allergological tests	1
Determination of the suitability of blood for transfusion, transfusion of blood components (single and repeated transfusion of blood components), administration of serums	2
Determination of blood type and Rh factor by express method, determination of individual and biological compatibility of blood	1
Drip and jet transfusion of drugs and blood substitutes	2
Conducting an ECG	1
Decoding the ECG	2
Interpretation of the results of the X-ray examination	2
Conducting and interpreting peak flowmetry	1
Interpretation of spirometry results	1
Interpretation of the blood test for hemoglobin, leukocytosis, Erythrocyte sedimentation rate (general blood test);	1
Urine collection technique for laboratory studies in children of all age groups and adults (diuresis measurement, general urine analysis, Nechiporenko, Addis-Kakovsky, Zimnitsky, Rehberg samples)	1
Interpretation of blood tests (serological, biochemical, etc.)	1
Treatment of the oral mucosa in children	1
Measuring temperature in children	1

Anthropometric measurements in children	1
Counting the pulse and respiration in children	1
Evaluation of stool in infants	2
Oral rehydration	1
Cleansing enemas for children	2
Instilling drugs into the eyes, nose, and ears of children and adults	1
Applying a blindfold	1
Applying eye ointment	1
Ear washing	1
Applying proper hand washing techniques in the workplace	1
Preoperative preparation of the surgical field for minor surgical interventions, asepsis and antiseptics	1
Preparation for surgery (washing hands before surgery, putting on a sterile operating uniform, putting on sterile gloves)	1
Removal of surgical sutures (on a dummy)	1
Using and explaining to the patient the technique of using a metered-dose inhaler, spacer and nebulizer	1
Pulse oximetry	1
Taking pathological material to identify scabies mite, pathogenic fungi	1
Visual examination of the Maxillofacial area and neck	1
Visual inspection of the oral cavity	1
Assessment of newborn reflexes	2
Assessment of neuropsychiatric development in children	2
Assessment of vaccination status in children	2
Assessment of dangerous signs of the disease in a child	2
Umbilical Cord residue Care	2
Feeding of heavy and premature babies through a probe	2
3.2.2. SURGICAL MANIPULATION	
Conducting infiltrative local anesthesia, conduction, regional, vagosympathetic blockades	2

Primary surgical treatment of wounds, removal of sutures	1
Suturing the skin (on a dummy)	1
First aid for accidental, primary infected wounds	1
Treatment of burn surfaces, infected wounds	1
Carrying out simple wound dressings, making and rinsing drains, passive drainage and establishing active aspiration	1
Bandages, application of soft bandages, splints	1
Dislocation reduction	2
Transport and therapeutic immobilization for fractures of the bones of the extremities, spine	1
Removal of superficially located foreign bodies	1
Diagnosis of clean, contaminated and purulent wounds	2
Carrying out diagnostic and therapeutic manipulations for inflammatory infiltrates, abscess, phlegmon, pararitis, lymphadenitis, thrombophlebitis	1
Determination of the symptom of fluctuation in purulent diseases	1
Autopsy of abscesses, pararitia, phlegmon	2
Ingrown toenail removal	2
Carrying out diagnostic and therapeutic manipulations for bedsores	2
Anterior and posterior rhinoscopy, pharyngoscopy, laryngoscopy, otoscopy	2
Stopping nosebleeds: anterior nasal tamponade	1
Stopping nosebleeds: posterior nasal tamponade	2
Probing and flushing of tonsillar lacunae	1
Autopsy of a paratonsillar abscess	2
Administration of drugs into the larynx with a laryngeal syringe and through a nasal catheter	2
Examination of the external auditory canal and eardrum using an otoscope	2
Determination of the patency of the auditory tube	2
Hearing research with whispered speech, spoken speech, tuning fork	1
Definition of visual acuity and definition of visual field boundaries	1
Optical vision correction using trial eyeglass lenses	2

Description of the lens, anterior chamber, and ocular media (translucency)	2
Assessment of intraocular pressure by palpation	2
Visual acuity assessment and definition of visual field boundaries	2
3.2.3. MANIPULATIONS USED IN OBSTETRICS AND GYNECOLOGY	
Collecting a reproductive history (menstrual function, pregnancy, childbirth)	2
Vaginal examination (examination and palpation of female internal genitalia - uterus, appendages)	2
Examination of the cervix with mirrors	2
Taking swabs for flora from the vagina, cervical canal and urethra	2
Diagnosis of pregnancy	2
External obstetric examination (Leopold's techniques, measurement of the circumference of the abdomen, the height of the uterine floor, listening to the fetal heartbeat)	2
Measurement of the size of the pelvis	2
Management of physiological childbirth	2
Assessment of the condition of the afterbirth	2
Assessment of the newborn's condition	2
Carrying out the primary toilet of a newborn	2
Umbilical cord and umbilical wound treatment	2
Assessment of newborn reflexes assessment of psychomotor and physical development of the child	2
Probing of the uterine cavity (on the dummy)	2
Puncture of the abdominal cavity through the posterior arch (on the dummy)	2
Taking swabs for flora from the vagina, cervical canal and urethra	2
Taking smears for oncocytology	2
3.2.4. MANIPULATIONS FOR EMERGENCY CARE	
Evaluation of fetal heartbeat during pregnancy	2
Cardiopulmonary resuscitation - indirect heart massage, mouth-to-mouth, mouth-to-nose artificial respiration. (on the dummy)	1
Defibrillation (On a dummy)	1
Examination and first aid for external injuries (wounds, bleeding, burns, sprains,	1

dislocations, fractures)	
Compression of the abdominal aorta in uterine bleeding	2
Transportation of a patient with an injury	1
Stopping bleeding (compression, applying a tight bandage, applying a tourniquet)	1
Methods of cleaning the upper respiratory tract, aspiration of mucus from the upper respiratory tract	1
First aid for eclampsia	2
Tracheo- or conicotomy, tracheostomy	2
Use of a children's oxygen tent	1
Primary resuscitation of a newborn	2
Basic cardiopulmonary resuscitation of children	2
3.2.5. INFORMATION MANAGEMENT	
Formulation of a clinical question and search for its solution in the literature	1
Informing the patient and his relatives, colleagues and other health workers about the results of the examination	1
Communicating negative information to the patient and his family	2
Advising the patient to obtain informed consent	1
Documenting the results of the examination in the patient's medical history/outpatient chart	1
Writing a staged, transferable and discharge (posthumous) epicrisis	1
Advising the patient on lifestyle issues (nutrition, physical activity, smoking, alcohol consumption, narcotic substances)	1
Registration of a prescription for a drug on the appropriate prescription form	1
Filling out a death certificate	2
The designation of the disease by a cipher in accordance with the current international classification of diseases	1
Work in accordance with current national protocols/guidelines	1
Advice on contraception, including post-coital contraception	1
Consultation on methods of termination of pregnancy	1
Calculation of indicators of the health status of the population	2

