Ministry of Education and Science of the Kyrgyz Republic

Ministry of Health of the Kyrgyz Republic

Educational and Methodical Association for Higher Medical and Pharmaceutical Education under the Ministry of Education and Science of the Kyrgyz Republic

CATALOGUE OF COMPETENCIES

Of Higher Educational Institution in the Specialty 560003

«Medical and preventive care»

UNDERGRADUATE LEVEL

Duration of training: 6 years

The catalog of competencies is developed using materials of the State Educational Standard in the specialty 560003 «Medical and preventive care» (undergraduate level) was compiled by: Burabayeva A. A., Toigonbaeva V. S., Atambayeva R. M., Esenamanova M. K., Sydykov Zh.S., Kochkorova F. A., Erbaev A. T., Tsivinskaya T. A., Bapalieva G. O., Somkulova E. J.

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Explanatory note

Undergraduate level in the specialty "Medical and preventive affairs" provides for professional training of a specialist with deep theoretical and practical competencies in hygiene disciplines and epidemiology, who knows the primary signs (symptoms), etiopathogenesis of various human diseases, as well as related subjects necessary for their professional activity, and is ready for subsequent postgraduate education, which gives the legal right to conduct primary and secondary prevention of infectious and non-infectious diseases.

The catalog is compiled taking into account the above positions and meets the requirements of the State Educational Standard of Higher Professional Education.

According to the SES, a graduate must master the following types of activities::

- a preventive service;
- instrumental measurements:
- hygienic and epidemiological diagnostics;
- laboratory tests;
- analytical information;
- medical service;
- psychological and pedagogical support;
- organizational and managerial support;
- a research organization.

This catalog defines the competencies that correspond to the listed types of activities.

Based on this competence catalog:

defined by:

- purpose and content of postgraduate training for an MPC doctor;
- level of knowledge and skills of the MPC doctor;

being developed:

- MPC doctor training programs;
- criteria for evaluating the quality of student training at various stages of training;
- standard requirements for certification of an MPC doctor.

being organized:

- learning process;
- professional orientation of applicants to medical universities.

held:

• certification of graduates.

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

Chapter 1. Competencies of an MPC doctor.

Chapter 2. Disciplinary competencies in hygiene and epidemiology.

Chapter 3. Symptoms of diseases.

Chapter 4. Disciplinary competencies for diseases.

Chapter 5. Medical skills and manipulations.

In chapter 1 lists General Tasks (GC), social and personal (SLC), instrumental (IC) and professional (PC) competencies that a graduate must master

(in accordance with the State Educational Standard of Higher Professional Education in the specialty 560003 "Medical and preventive care").

In Chapter 2 lists knowledge and skills in hygiene and epidemiology.

The Theoretical foundations section lists the knowledge that a graduate should have.

The following gradations are used to indicate the level of knowledge:

Level	Level 1	Level 2
	Level of general knowledge of	Level of practical
	graduates:	application of theoretical
		knowledge:
	- can describe in general terms	
	this sanitary and hygienic or	- can use their knowledge
	epidemiological situation;	when analyzing the obtained
		studies for sanitary-hygienic
Theoretical	- knows the relevance and	and epidemiological
foundations	significance of each factor in	conclusions.
	each sanitary and	
	epidemiological situation;	

To describe the degree of proficiency by the skills that a graduate should possess, the following gradation of levels are used:

Level	Level 1	Level 2
Research of supervised facilities and foci of infectious diseases.	Level 1 The graduate must have some practical experience: - can explain the essence of the study; - knows and understands what this research is being conducted for; - knows the significance of the study in a specific sanitary and	Level 2 The graduate must have the skills of sanitary-hygienic and epidemiological research: - can explain the research principle; - knows the technique of execution and research; - has sufficient experience
	epidemiological situation;	to perform research
	study in a specific sanitary and	-
	- saw and participated in	independently;

research (in the classroom, in	
practice, etc.).	- can interpret and analyze
	the received data.

To indicate the competencies that a graduate should possess, the following designations are used to justify the conclusion:

On hygiene subjects	
But	The conclusion is given on the basis of a sanitary examination of the supervised object interpreted by the doctor himself.
In	The conclusion is given on the basis of sanitary, instrumental and laboratory studies of supervised objects, analysis and comparison with Technical Regulations and other regulatory documents.
With	Conducting an expert review of the project and giving an opinion.
D	The doctor knows and is able to carry out health-improving measures of the human environment.

	On epidemiology		
But	Giving an opinion on the epidemiological situation based on the analysis of morbidity.		
In	Filling out the card (conclusion) epidemiological survey of foci of various infectious and parasitic diseases.		
With	Assessment of an unfavorable epidemiological situation with the issuance of a conclusion on its elimination.		
D	The doctor knows and is able to eliminate risk factors for the occurrence of epidemic foci of infectious and parasitic diseases.		

Professional disciplines are presented as follows:

- 1. General hygiene;
- 2. Occupational health and safety;
- 3. Municipal hygiene;
- 4. Food hygiene;
- 5. Hygiene of children and adolescents;
- 6. Radiation hygiene;

- 7. Military hygiene;
- 8. General and clinical epidemiology;
- 9. Military epidemiology.

Diseases/clinical conditions are presented in groups by discipline:

- Internal diseases;
- Children's diseases, children's infectious diseases;
- Surgical diseases, children's surgical diseases;
- Diseases of the female genital organs and breast;
- Infectious diseases;
- Tuberculosis:
- Diseases of the nervous system;
- Mental illnesses;
- Skin and venereal diseases;
- Ear, throat and nose diseases;
- Eye diseases;
- Dentistry;
- Oncology;
- Emergency conditions;
- Pharmacotherapy;
- Medical rehabilitation services;
- Forensic medicine;
- Occupational diseases;
- Traumatology and Orthopedics;
- Public health and healthcare;
- Biostatistics:
- Medical Radiology;
- Health insurance;

- Bioethics;
- Microbiology.

For the block diseases / clinical conditions, the following gradation is used to indicate the level of knowledge:

	Level 1	Level 2
Clinical conditions	The graduate must be well-versed in this clinical situation:	The graduate must solve a clinical situation:
	 make a preliminary diagnosis give a general definition without going into details send it to a specialist for consultation. 	 it can be structured to collect an anamnesis conduct an active search for typical complaints and symptoms can make a diagnosis for this condition can continue appropriate diagnostic and therapeutic measures, taking into account epidemiological data and the results of laboratory research methods.
		- can properly explain the essence of the necessary
		diagnostic treatment and rehabilitation measures.

The following letter designations are used to indicate the competencies in diseases that an IVD graduate should master:

A	The diagnosis of the disease is made directly by the doctor on the basis of	
	physical examination data, simple examination methods prescribed and	
	interpreted by the doctor himself.	
В	Treatment is carried out personally by the doctor, including the usual	
	treatment regimens for uncomplicated cases.	

С	The doctor is able to assess the patient's condition and start providing emergency measures. The doctor is not required to make a clinical diagnosis; his urgent measures may be based on a reasonable preliminary
	diagnosis.
D	The doctor knows and is able to carry out preventive measures.

All medical manipulations are conditionally grouped into the following groups:

- Interviewing or collecting a patient's medical history;
- Physical examination;
- General manipulations;
- Information management;
- Manipulations for emergency care;

Similar documents have been developed as a catalogue of IPM competencies.

The developers understand that the catalog is not without some drawbacks and controversial issues, as well as the fact that medical science, especially preventive medicine, does not stand still and is intensively developing, so it is possible that this catalog can be reworked and updated more than once.

CHAPTER 1. LIST OF COMPETENCIES OF AN MPC DOCTOR

	General competencies (GC)
GC-1	he is able to analyze socially significant problems and processes, use in practice the methods of the humanities, natural sciences, biomedical and
	clinical sciences in various types of professional and social activities;
GC-2	capable of analyzing worldview, socially and personally significant philosophical problems and categories;
GC-3	able to analyze significant political events and trends, to participate responsibly in political life, to master the basic concepts and laws of the world historical process, to respect and respect the historical heritage and traditions, to evaluate state policy, to master the meaning of historical and medical terminology;
GC-4	able to analyze economic problems and social processes, use the methodology for calculating indicators of economic efficiency in the

	healthcare system;
GC-5	He is capable of logical and reasoned analysis, public speech, conducting
	discussions and polemics, editing texts of professional content, and
	carrying out educational and pedagogical activities.;
GC-6	able and ready to learn one of the foreign languages at the level of
	everyday communication, to written and oral communication in the state
	and official languages;
GC-7	able and willing to use management methods, organize the work of
	performers, find and make responsible management decisions in
	conditions of different opinions and within their professional competence,
	comply with the rules of medical ethics, laws and regulations on working
	with confidential information, preserve medical secrets, and master the
	basics of office management.

	Social and personal competencies (SLC)	
SLC-	ability to adapt to social and professional changes, to show independence	
1	and exercise self-control in professional activities, to be committed to	
	professional ethical standards;	
SLC-	be able to demonstrate discipline, responsibility, reliability, humanity,	
2	tolerance, general culture, and lead a healthy lifestyle. Strive for	
	continuous professional development, self-knowledge, self-development,	
	self-actualization, be able to manage your time, plan and organize your	
	activities, be able to build a strategy for personal and professional	
	development and training;	
SLC-	show self-confidence, be emotionally stable, critical and self-critical, and	
3	be tolerant of other opinions and positions. Possess the skills of	
	interpersonal relations (the ability to act together, friendly relations with	
	others, etc.), strives for constructive behavior in conflict situations.	
	Observe legal and ethical norms, rights and obligations of a citizen;	
SLC-	possess multimedia technologies, be critical of the information	
4	disseminated by mass media, be able to independently collect, save,	
	analyze, transform, acquire new knowledge by analyzing and synthesizing	
	various information, etc. be fluent in personal computer software and	
	office equipment.	

Instrumental competencies (IC)	
IC-1	ability, and willingness to determine environmental parameters using
	hygiene tools and appliances;
IC-2	ability and readiness to work with medical devices and equipment.

Professional competencies (PC)

PC-1	ability and readiness to study and assess factors of the human environment and the body's response to their effects and health conditions, to interpret the results of hygiene studies and to implement sanitary-hygienic and anti- epidemic measures to prevent infectious and non-communicable diseases,
PC-2	ability and readiness to conduct sanitary and epidemiological surveillance of labor and industrial processes, technological equipment, the appearance in the production environment of chemical, physical, biological and other factors affecting the health of employees, as well as forecasting their danger, and determining recommendations for planning, designing, recognizing and interpreting harmful factors;
PC-3	ability and readiness to conduct sanitary and epidemiological surveillance of the human environment in the locality, objects of domestic and drinking water supply, housing and communal services, medical and preventive organizations.
PC-4	ability and readiness to conduct sanitary and epidemiological surveillance of the production and sale of food products, their quality and safety, to assess the actual nutrition of the population, to participate in the development of comprehensive programs for optimizing and correcting the nutrition of various population groups, including in order to overcome micronutrient deficiencies, as well as for public and hospital catering facilities.
PC-5	ability and readiness to assess the physical development of children and adolescents as an indicator of health and conduct sanitary and epidemiological surveillance of the conditions of stay, education and the state of children's educational organizations
PC-6	ability and readiness to conduct sanitary and epidemiological surveillance of the hygienic provision of troops and the habitat of military personnel.
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 the established requirements.
PC-8	ability and readiness to investigate and analyze indicators of infectious and non-communicable diseases of the population, plan and conduct antiepidemic measures in foci of infectious diseases, on 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 public health using data from official accounting documents, using sanitary-statistical and epidemiological methods, as well as on the basis of preliminary and periodic medical examinations;
PC-10	physical, chemical, biological and bacteriological methods, etc. methods;
PC-11	it is able and ready to interpret the obtained object survey data and make

	appropriate decisions based on hygiene standards: technical regulations,	
	standards, MPC, traffic regulations, regulations, SNiP, orders, etc.;	
Hygienic and anti-epidemic diagnostics		
PC-12	•	
	system: "human environment factor-population health»;	
PC-13		
	body to harmful factors of working conditions and its assessment,	
	investigation of the causes of occupational diseases and poisoning;	
PC-14		
	and identify health risks associated with sources of environmental	
	pollution;	
PC-15	,	
	and adolescents in the process of staying and studying in various children's	
	institutions;	
PC-16	, ,	
	alimentary health;	
PC-17		
5 0 10	human health;	
PC-18		
5 0 10	health of military personnel;	
PC-19		
	establish the causes and conditions of its development;	
	Therapeutic activities	
PC-20		
	well as in various extreme conditions;	
PC-21	able and ready to study the etiology, clinic of various diseases, prevention	
	measures;	
	Psychological and pedagogical activity, hygienic education	
PC-22		
	population on disease prevention, healthy lifestyle and health promotion,	
	as well as the implementation of hygienic education of personnel of	
	supervised facilities;	
	Organizational and managerial activities	
PC-23		
	activities of bodies performing control and supervision functions in the	
	field of ensuring the sanitary and epidemiological welfare of the	
	population, protecting the rights of consumers and the consumer market,	
	institutions performing their activities in order to ensure state sanitary and	
	epidemiological supervision in the Kyrgyz Republic, other health care	
	institutions, taking into account the requirements of official legislative acts	
DC 24	of the Kyrgyz Republic., regulatory and legal documents;	
PC-24		
	the health of the population in the face of adverse effects of human	

	environmental factors;	
PC-25	ability and willingness to develop and evaluate the effectiveness of	
	prevention strategies separately or in collaboration with other professionals	
	to ensure effective monitoring;	
Research activities		
PC-26	able and ready to study various sources of scientific and medical literature,	
	as well as literature on hygiene, sanitation and epidemiology;	
PC-27	capable and ready to learn new approaches and methods for studying	
	human environmental factors.	

CHAPTER 2. DISCIPLINARY COMPETENCIES IN HYGIENE AND EPIDEMIOLOGY

Theoretical foundations	
2.1.1. GENERAL HYGIENE	Level
General hygiene, its purpose and objectives. Methods of hygienic	2
research.	<i>L</i>
Hygienic diagnostics of the population's health status.	2
Environmental factors and public health.	
Air hygiene	
Hygienic significance of the physical properties of air and its role in human life.	2
Hygienic significance of the chemical composition of air and its role in human life.	2
Climatic conditions and human health.	
Solar radiation, impact on human health.	2
Water hygiene	
Water as an environmental factor, its impact on human health.	2
Natural mineral composition of water, its significance for humans. Diseases caused by the unusual mineral composition of water, their prevention.	2
Water as a source of infectious diseases.	2
Methods for improving water quality.	2
Food and nutrition	
Nutrition and human health.	2
Modern aspects of rational nutrition.	2
Food quality and safety.	2
Soil hygiene	

Hygienic characteristics of the soil, impact on health.	2
Occupational health and safety	
Influence of working conditions on human health.	2
Environmental pollution	
Dust pollution of the environment, impact on public health.	2
Noise, vibration, electromagnetic pollution of the environment,	2
impact on human health.	
Child and adolescent health	
Environmental factors affecting the health of children and	2
adolescents.	2
Synthetic materials in everyday life and medicine	
Hygiene of the use of synthetic materials, the impact on health.	2
2.1.2. OCCUPATIONAL HEALTH	
Occupational health, its goals and objectives. Working conditions	2
and their components.	2
Industrial hazards	
Harmful and dangerous production factors and their impact on the	2
working person's body.	2
General principles and main directions of prevention of occupational	2
diseases and poisoning.	Z
Labor physiology	
Fundamentals of labor physiology. Types of labor activity.	2
Functional state of the body at work.	2
Physiological foundations of ergonomics, technical aesthetics and	
scientific organization of work, their role in maintaining human	1
health and performance.	
Fundamentals of labor psychology, engineering psychology.	1
Fundamentals of prevention of fatigue and overwork. Measures to	2
improve human performance.	
Atmospheric pressure	
Increased atmospheric pressure	2
Reduced atmospheric pressure	2
Meteorological conditions at the workplace	
Industrial microclimate. Influence of the industrial microclimate on	
the body of workers. Adaptation and acclimatization when working	1
in a heating and cooling climate.	
Influence of harmful factors of the industrial environment on the	2
body against the background of an unfavorable microclimate.	
Industrial dust	
Industrial dust as an occupational hazard.	2
Mechanical vibrations	
Production noise as an unfavorable factor of the production	2

environment. Ultrasound and infrasound as unfavorable factors of the production environment.		
Production vibration (general and local) as an unfavorable factor of		
the production environment.	2	
Production radiation		
Electromagnetic fields of radio frequencies and laser radiation as	2	
industrial hazards.		
Occupational health when working with ionizing radiation sources	2	
Aeroionization in a production environment.	1	
Industrial toxicology		
Modern problems of industrial toxicology. Industrial poisons as an occupational hazard.	2	
Fundamentals of toxicometry.	2	
Metals as a harmful and dangerous production factor. Prevention of		
poisoning.	2	
Organic solvents as occupational hazards. Irritating gases and carbon		
monoxide, like occupational poisons.	2	
Combined action of chemicals. Combined effects of chemical and		
physical factors.	2	
	2	
Biologics, as production factors of biological nature.		
Carcinogenic production factors.	2	
Allergens and allergic occupational diseases.	2	
Production factors of biological nature. Professional zoo	2	
anthroponoses.		
Occupational health issues when working with pesticides and	2	
mineral fertilizers.		
Occupational health issues when working with industrial	2	
carcinogenic factors.		
Industrial ventilation		
Hygienic basics of natural and mechanical ventilation	2	
industrial premises.	2	
Industrial lighting		
Hygienic bases of natural and artificial lighting of industrial	2	
premises.	2	
Occupational health in selected industries and agriculture		
Occupational health in the mining and coal industry.	2	
Hygienic assessment of the working conditions of employees of gold		
mining plants	2	
	2	
Occupational health in agricultural production.	2	
Occupational health in light industry.	2	
Occupational health in the machine-building industry.	2	

Hygienic assessment of the working conditions of HPP employees.	2
Organization and implementation of workplace certification.	2
Occupational health of women and adolescents	
Occupational health of women.	2
Occupational health of adolescents.	2
2.1.3. COMMUNAL HYGIENE	
as a science, and its significance in preventive medicine.	2
The main legislative, policy and regulatory documents on municipal	
hygiene and environmental protection. Technical regulations of the	1
Kyrgyz Republic	
Water and water supply hygiene. Protection of water bodies	S
Hygiene of water supply in populated areas. Hygienic rationing of	
the composition and properties of drinking water. Water	2
consumption standards and regime.	
Hygienic characteristics and protection of water intake sources for	
domestic drinking water supply. Sanitary characteristics of	2
underground and surface water sources. Sanitary protection zones)	
Hygienic characteristics of methods and methods of water treatment	
for centralized household and potable water supply in populated	2
areas. Methods of disinfection of drinking water.	
Sources of water pollution.	2
Formation conditions and sanitary characteristics of urban	
wastewater. Urban wastewater. Hygienic assessment of cleaning and	1
disinfection methods.	
System of measures for sanitary protection of water bodies.	2
Organization of sanitary supervision.	2
Hygienic requirements for drinking water distribution systems.	
Centralized hot water supply. Natural and synthetic materials used in	2
water supply practice.	
Preventive and ongoing sanitary supervision in the field of drinking	
water supply in populated areas. The system of documents of	2
sanitary legislation.	
Hygienic characteristics of the features of domestic and industrial	1
wastewater treatment.	1
State sanitary supervision over the state of water bodies from	2
pollution.	
Soil hygiene and cleaning of populated areas	
Soil hygiene in populated areas. Sanitary indicators of the soil.	
Principles and methods of hygienic rationing. Content of exogenous	2
chemicals.	
Measures for sanitary protection of the soil of populated areas. Basic	2
schemes for cleaning populated areas.	_

Modern legal bases of soil protection. Soil composition and physical properties, their hygienic and epidemiological significance and assessment.	1
Sanitary cleaning of populated areas. A system of measures to ensure hygienic safety in the collection, disposal, neutralization, processing and disposal of industrial and consumer waste.	1
Sanitary assessment of solid and liquid waste disposal facilities.	2
Air hygiene	
Air hygiene. The main sources and components of atmospheric air	
pollution and patterns of the spread of techno genic pollutants in the	2
atmosphere.	
Basic principles and methods of hygienic regulation of chemicals in	
atmospheric air. Influence of atmospheric air composition on the	1
health and living conditions of the population.	
System of measures for sanitary protection of atmospheric air. Tasks	2
of preventive and ongoing sanitary supervision.	2
State and sanitary supervision, a system for monitoring the quality of	2
atmospheric air in populated areas.	2
Sanitary and technical measures for the protection of atmospheric	1
air.	1
Hygiene of residential and public buildings	
The problem of noise in cities. Impact of noise on public health.	
Hygienic rationing and measures to protect the population from	2
urban noise.	
Hygienic characteristics and assessment of light and insolation	2
conditions in residential and public buildings. Hygienic rationing.	<i>L</i>
Microclimate and air environment of the dwelling. Hygienic	
assessment of engineering heating and ventilation systems in	2
residential and public buildings.	
Electromagnetic fields. EMF sources, their characteristics, units of	2
measurement, and evaluation.	
A set of measures to protect the population from exposure to	1
electromagnetic fields.	1
Hygiene of residential and public buildings. Housing as a leading	
element of the artificial human environment. A system of	1
environmental factors in a dwelling.	
Hygienic characteristics of finishing materials used in the	1
construction of residential and public buildings.	
Impact of the residential environment on public health. Hygienic	1
normalization of intraperitoneal environment parameters.	-
Hygiene of populated areas	
Organization of regional and urban planning design. Basic principles	2
and hygienic significance of regional planning, its stages.	

Hygienic bases and issues of planning development and	1	
improvement of populated areas. Hygiene issues related to the infrastructure of populated areas.	2	
Hygiene of planning rural settlements.	2	
LPO hygiene	<u> </u>	
Hygienic problems of medical and preventive institutions. Factors of		
the nosocomial environment and their hygienic rationing.	1	
Hygienic basics of planning and operation of medical institutions.	2	
Hygienic features of heating, ventilation, microclimate, natural and		
artificial lighting, as well as the air environment in the premises of	2	
medical institutions.		
Sanitary and hygienic requirements for the internal layout and	2	
arrangement of specialized departments of the hospital.	2	
Hygienic bases of prevention of nosocomial infections. Collection	2	
and disposal of medical waste.	<u> </u>	
2.1.4. FOOD HYGIENE		
Modern problems of population nutrition. Methods of research and		
control.		
Hygienic examination of food products for quality and safety	2	
(technical regulations).	2	
Physiological and hygienic basis of nutrition		
Rational nutrition and basic hygiene requirements for its	2	
construction.	2	
Energy requirements of the body for nutrients and energy.	2	
Carbohydrates as the main source of energy.	2	
Hygienic aspects of increasing the protein content of food	1	
Biological role and nutritional value of fats and lipids	2	
Vitamin content of the diet and their importance in nutrition	2	
Minerals and their role in nutrition	1	
The importance of vitamin-like substances in maintaining and		
promoting health		
Nutritional and biological value of food products, and their hyg	gienic	
characteristics.	•	
Milk and dairy products.	2	
Products of lactic acid fermentation	2	
Mixed fermentation products	2	
National fermented milk products (ayran, suzmo, kurut, kaymak,		
etc.)	2	
Meat of different animals	2	
Horse meat and yak meat	2	
National sausage products	2	
Poultry meat.	2	
1 Outry meat.	<u> </u>	

Eggs and egg products.	2	
Fish and fish products.	2	
Canned food and concentrates.	2	
Grain products.	2	
Non-alcoholic and national drinks.	2	
Fats and oils.	2	
Local berries, fruits and vegetables	2	
Ether containing products	2	
Production supervision	T	
Grain products	2	
Milk and dairy products	2	
Non-alcoholic beverages	2	
Meat and meat products	2	
Fish and fish products	2	
Canned food of animal and vegetable origin	2	
National meat and fermented milk products and beverages	2	
Jellies, potions, meat bread	2	
Fats and oils	2	
Confectionery and honey products	2	
Food poisoning and its prevention		
Food poisoning of non-microbial etiology. Prevention.	2	
Food poisoning of microbial etiology. Prevention.	2	
Therapeutic, dietary and functional nutrition	<u>L</u>	
The importance of food products and dishes in medical nutrition.	2	
Therapeutic nutrition for micro elements and hypo vitamins	2	
characteristic of the population of the Kyrgyz Republic.	2	
Modern hygienic requirements for hospital food stores	2	
Preventive food rations under particularly harmful working	1	
conditions	1	
Characteristics, chemical composition and energy value of the main	1	
variants of standard diets	1	
Characteristics, chemical composition and energy value of	1	
hypocaloric diet options	1	
Characteristics, chemical composition, and energy value of protein-	1	
fat-oriented diet options.	1	
Characteristics, chemical composition, and energy value of low-	1	
protein diet options.	1	
Characteristics, chemical composition and energy value of diet	1	
options with mechanical and chemical sparing.	1	
Nutrition and prevention of overweight and type 2 diabetes	2	
Diseases associated with malnutrition	2	

The relationship between nutrition and chronic non communicable	
diseases	2
Nutrition and prevention of cardiovascular diseases	2
Nutrition and cancer prevention	2
Features of nutrition of individual population groups	
Features of nutrition of the population living in the Far North, hot	2
climate and high mountains	2
Features of rational nutrition of the adult working-age population	1
Nutrition features of pregnant and lactating women	2
Features of rational nutrition of the elderly and old people	2
Features of rational nutrition of athletes	2
Food hygiene during mental and physical labor	2
Food hygiene for mining and agricultural workers	2
Public catering companies	
Hygienic requirements for public catering establishments	
Hygiene requirements for markets and food stores	
Hygienic requirements for the confectionery industry	
The importance of vitamin-like substances in maintaining and	1
promoting health	1
Minor biologically active components of food and their role in the	1
prevention of major non-communicable diseases	1
Microbiological control of food quality and sanitary regime at food	
enterprises. Sanitary and microbiological control of food products of	2
plant origin	
Sanitary protection of food products and food raw materials.	
Hygienic regulation, registration and certification of food products in the Kyrgyz Republic	2
Safety of food additives, their classification, characteristics, indexing	
and rationing	
Principles of food fortification	
2.1.5. HYGIENE OF CHILDREN AND ADOLESCENTS	<u>S</u>
Hygiene of children and adolescents and its development	
Hygiene of children and adolescents as a scientific discipline and a	
practical branch of healthcare. History of hygiene development in	1
children and adolescents.	
Growth and development of the child's body. Health of the you	nger
generation.	
Basic patterns of growth and development of the child's body. Age	1
periodization. Acceleration.	
Physical development as an indicator of health.	2
Health of children and adolescents. Factors affecting the health	2
status of children and adolescents.	

Hygienic basics of the daily routine		
Physiological bases of children's activity. Activity as a factor of	2	
growth and development of children and adolescents.	2	
Hygienic basics of building a daily routine for children and	2	
adolescents.	L	
Hygiene of educational activities of children and adolescen	ts	
Hygienic foundations of education and training in preschool	2	
institutions.		
Hygienic aspects of children's functional readiness for systematic	2	
learning.		
Hygienic principles of organization of the educational process in	1	
general education institutions.		
Features of fatigue development in children and adolescents.	2	
Hygienic bases of computerization of training.	2	
Hygiene of labor, polytechnic and industrial training		
Hygienic and physiological bases of labor education and training of		
children and adolescents. The influence of labor on a growing	1	
organism.		
Influence of occupational factors on the body of adolescents.	2	
Medical and physiological bases of professional orientation and	1	
consultation.	_	
Fundamentals of legislation on labor protection of adolescents.	2	
Physical activity and hygiene of physical education of children and adolescents		
Biological need for movement depending on the age and gender of		
children.	2	
Hygienic and physiological foundations of physical education.	2	
Hygienic principles of physical education organization. Hardening		
and its physiological essence.	2	
Medical supervision of physical education.	2	
Food hygiene for children and adolescents	_	
Features of metabolism and energy of a growing organism.	2	
Hygienic principles of the regime and organization of nutrition for	2	
organized and unorganized groups.	2	
Organization of meals in children's and adolescent institutions.	2	
Hygiene of the environment of development, upbringing and trai	ning of	
children and adolescents		
Hygienic requirements for clothing and footwear for children and	2	
adolescents.	<u></u>	
Hygiene requirements for toys.	2	
Hygiene requirements for children's books, textbooks, and writing	2	
supplies.	<i>_</i>	

Hygienic requirements for school furniture, equipment and their location.	2				
Hygienic principles of placement, planning and operation of institutions for children and adolescents					
Fundamentals of design, construction, reconstruction and operation of children's institutions.	2				
Hygienic principles of planning various educational and health-improving institutions.	2				
Air-heat regime, hygienic requirements for lighting, organization of water supply in children's and adolescent institutions.	2				
Hygienic education of children and adolescents					
Hygienic education in preschool and educational institutions of children and adolescents.	2				
Hygienic aspects of sex education.	2				
Hygienic education of staff of children's and adolescent institutions and parents.	2				
Causes of forming bad habits in children and adolescents (smoking, substance abuse, alcoholism, drug addiction) and their prevention.	1				
Medical and sanitary-epidemiological support of children and add	lescents				
International acts and legislative bases in the field of child and adolescent health protection.	1				
Basic principles of preventive and curative care for children.	2				
State sanitary and epidemiological supervision of children's and adolescent institutions.	2				
The role of the sanitary doctor in the hygiene of children and adolescents.	2				
2.1.6. RADIATION HYGIENE					
Radiation hygiene, its goals and objectives	1				
Radiation sources and their effects on the body					
Radiation sources. Basic laws of the effect of ionizing radiation on the body	1				
Natural sources of ionizing radiation and their hygienic significance	2				
Isotopes and radiation in modern industry	2				
Dose exposures					
Regulation of human exposure (Technical Regulations of the Kyrgyz Republic)	1				
Radioisotope diagnostics and its significance in medicine	1				
Occupational health and radiation safety					
Hygienic aspects of radionuclide transport and storage	2				
Occupational health during flaw detection	1				
Issues of ensuring radiation safety when working with closed and open sources of ionizing radiation	1				

Sanitary and hygienic supervision of the Kyrgyz Republic	
State sanitary supervision in the field of radiation hygiene	2
Sanitary-dosimetry and medical control (SDK)	2
Radiation-hygienic and social-hygienic monitoring in the Kyrgyz	2
Republic	2
Environmental protection from radioactive contamination	
Impact of radioactive contamination on the environment	2
Environmental protection from radioactive contamination	2
Problems of uranium tailings dumps in the Kyrgyz Republic	2
2.1.7. MILITARY HYGIENE	
Military hygiene is the main preventive discipline of military	1
medicine, the purpose of training. Hygienic provision of troops.	
Sanitary supervision in the Armed Forces.	1
Forces and means used by the medical service of the organization of hygienic support.	1
Hygiene of troop deployment.	1
Fundamentals of organization and water supply of troops in the field.	1
Fundamentals of organization and nutrition of troops.	1
Occupational health in the main branches of the armed forces.	1
Hygiene of troop movement.	1
2.1.8. GENERAL AND CLINICAL EPIDEMIOLOGY	
The concept of the epidemiological process of infectious disea	ses.
Structure of the epidemiological process. Sections of the	~ - ~ -
epidemiological process: factors, mechanisms of development and	
manifestation. Classification of infectious diseases by sources of	1
infection, transmission mechanism, and etiology.	
Measures aimed at breaking the transmission mechanism	
Means of disinfection, dis infection and deracination. The role of	
sterilization in the prevention of hem contact infections. The concept	1
and features of infection control in medical institutions of various	1
profiles.	
Immune prophylaxis in the fight against infections	
Characteristics of immune biological preparations. Types of	
preventive vaccinations. Organization of vaccination business.	1
Safety tactics of preventive vaccinations.	
Epidemiological surveillance system	
Goals and objectives of epidemiological surveillance. Types and	1
sections of epidemiological surveillance.	
Epidemiology and evidence-based medicine in epidemiolog	y
Goals and objectives of epidemiological diagnostics, sections of	4
epidemiological diagnostics. The use of evidence-based medicine	1
methods in epidemiological studies.	

Features of epidemiology of TB, shigellosis, salmonellosis, viral	
hepatitis A, viral hepatitis E, cholera, polio, Escherichia coli,	1
rotavirus infection, staphylococcal diarrhea, enterovirus infections	1
(Coxsackie and ESNO).	
Epidemiology of aerosol infections	
Features of epidemiology of diphtheria, measles, rubella, mumps,	
whooping cough, chicken pox, scarlet fever, meningococcal	1
infection, tuberculosis, influenza and ARVI, mononucleosis, micro	1
plasmodia.	
Epidemiology of vector-borne infections	
Features of epidemiology of typhus, plague, lice-borne recurrent	1
typhus, hemorrhagic fevers, tick-borne encephalitis.	1
Epidemiology of hem contact infections	
Features of epidemiology of viral hepatitis B, viral hepatitis C, and	1
viral hepatitis D, HIV infection.	1
Epidemiology of skin infections	
Features of epidemiology of rabies, tetanus, anthrax, glandes,	1
microsporia, trichophytosis.	1
Epidemiology of parasitic diseases	
Features of epidemiology of malaria, toxoplasmosis, leishmaniosis,	
amoebiasis, giardiasis, ascariasis, hymenolepidosis, hookworm	1
disease, echinococcosis, teniosis, diphyllobothriosis, toxocariasis,	1
trichinosis, opisthorchiasis, fascioliasis.	
Epidemiology of noncommunicable diseases	
Features of epidemiology of cardiovascular, bronchopulmonary,	1
urological, and oncological diseases.	1
2.1.9. MILITARY EPIDEMIOLOGY	
Theoretical and methodological foundations, goals and objectives of	<u> </u>
military epidemiology. The concept of bacteriological weapons.	1
Types of sanitary and epidemiological intelligence, BS indication.	1
Fundamentals of anti-bacterial protection of troops.	

Practical skills	Level	But	In	With	D
2.2.1. GENERAL HY	GIENE				
Air exploration					
Study of air temperature and humidity.	II	But	In		D
Determination of air mobility and atmospheric pressure.	II	But	In		D

Determination of nutrition adequacy by anthropometric indicators. Food status assessment. 1 But In D D	Determination of the complex impact of physical factors of air on the human body.	II	But	In	D		
"anthropogenic" air pollution. Study of natural and artificial light conditions. I But In D Water research Determination of water hardness and fluorides I my water. Determination of chemical and biological indicators of water pollution by organic substances. Water clarification. Water disinfection. Epidemiological assessment of water safety. But In D Nutrition Research Determination of nutrition adequacy by anthropometric indicators. Food status assessment. Soil research Soil testing for physical, mechanical and chemical properties. Air pollution research Determination of toxic impurities in indoor air, as well as degradation products of plastic and polymer materials. Study of air dustiness. Study of noise and vibration. I But In D Labor and labor processes Study of the body's reactions at work. II But In D Studying the health of children and adolescents Research and evaluation of the functional state of the working person's body. Research and evaluation of changes in the body during physical work. Research and evaluation of changes in the body during physical work. Research and evaluation of changes in the body during physical work. Research and evaluation of changes in the body during physical work. Research and evaluation of changes in the body during physical work. Research and evaluation of changes in the body during physical work. Research and evaluation of changes in the body during physical work. Research and evaluation of changes in the body during physical work.		TT					
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Establishment of classes of working conditions						
based on indicators of severity and intensity of	2	Α	В		D	
the labor process.						
Application of psychology methods in	2	Α	В		D	
improving labor productivity.	2	А	Ъ		D	
Assessment of working conditions by indicators	2	A	В		D	
of occupational hazards and hazards.	2	A	D		D	
Organization and implementation of hygiene	2				D	
training and education at the enterprise.	2				D	
Meteorological conditions at t	the work	place				
Researches industrial microclimate.	2	A	В		D	
Hygienic assessment of microclimate	2	٨	Ъ		D	
conditions.	2	A	В		D	
Industrial dust						
Studies of industrial dust of mainly fibrogenic	2		_		-	
action	2	Α	В		D	
Assessment of working conditions when			_			
exposed to aerosol of mainly fibrogenic action	2	A	В		D	
Mechanical vibration	ons					
Research and hygienic assessment of noise in						
industrial environments.	2	A	В		D	
Research and hygienic assessment of general						
and local vibration in the workplace.	2	A	В		D	
Production radiati	on					
Research and hygienic assessment of non-						
ionizing radiation in production.	2	A	В		D	
Industrial toxicolo	σv					
Control over the content of industrial poisons in	<i>8)</i>					
the air of the working area.	2	A	В		D	
Chemical analysis of harmful substances in the						
air of the working area. Express methods for	2	Α	В		D	
determining harmful substances in the air.	2	11			D	
Assessment of toxicity and hazard of chemical						
compounds.	2	A	В		D	
Determination of the CVI and MPC of harmful	2					
substances based on toxicometric indicators.	2	A	В		D	
Hygienic assessment of toxicity and hazard of						
metal compounds, organic solvent compounds	2	Α	В		D	
and diluents widely used in production.	_	'`			ט	
Hygienic assessment of working conditions and						
safety when working with pesticides and	2	Α	В		D	
mineral fertilizers.	_	'`			ט	
Industrial ventilati	้อท	<u> </u>				
industrial ventitation						

Examination and hygienic assessment of natural industrial ventilation – aeration.	2	A	В		D	
Evaluation of the operation of mechanical ventilation units and the efficiency of the ventilation system.	2	A	В		D	
Industrial lighting	\boldsymbol{g}					
Examination and hygienic assessment of natural and combined industrial lighting.	2	A	В		D	
Survey and hygienic assessment of industrial artificial lighting.	2	A	В		D	
Accounting, analysis and prevention of morbide	ity of wor	rkers	in t	he wor	rkplace.	
Accounting, registration and investigation of occupational diseases and poisoning	2	A			D	
Accounting and analysis of the general morbidity of workers (with VUT).	2	A			D	
Procedure for registration, accounting, and analysis of occupational injuries.	2	A			D	
Organization and conduct of mandatory medical examinations.	2	A			D	
Development and implementation of medical and preventive measures to improve working conditions and protect the health of employees.	2	A			D	
Assessment of medical services provided to workers and employees of industrial enterprises.	2	A			D	
Personal protective equ	ipment					
Assessment of various types of personal protective equipment (PPE) of workers against harmful and dangerous industrial factors.	2	A	В		D	
Production of building n	naterials					
Assessment of working conditions in the production of building materials and construction and measures to combat harmful production factors.	2	A			D	
Hygienic requirements for the design and maintenance of industrial enterprises						
Expertise of situational and master plans of industrial enterprises.	2	A		С	D	
Expertise of the project of a complex of auxiliary (sanitary) premises of enterprises.	2	A		С	D	
Expertise of industrial ventilation projects.	2	A		С	D	
Expertise of industrial lighting projects.	2	A		С	D	
Assessment of working conditions based on factors of the production environment and the	2	A	В		D	

labor process.					
Sanitary and hygienic survey of existing	2	Λ	В		D
industrial enterprises.	2	A	D		D
Sanitary and hygienic survey of operating	2	Α	В		D
agricultural enterprises.	2	Λ	D		<i>D</i>
2.2.3. COMMUNAL HY	GIENE				
Water and water supply	hygiene				
Normative and methodological documents in	2				
the practice of domestic drinking water supply.					
Sanitary supervision of municipal hygiene	2	Α	В	C	D
facilities.		7.1			
In collection of centralized drinking water	2				
supply sources in the practice of sanitary				C	D
supervision					
Hygienic assessment of drinking water quality.	2	A	В	C	D
Sanitary expertise of projects of sanitary	2				
protection zones for centralized drinking water		A	В	C	D
supply sources.					
With Unitarian expertise of water supply	2			~	_
projects in populated areas from underground				C	D
and surface sources.					
Consideration of treatment plant schemes for	2		_	~	ъ
water intake from underground and surface		A	В	С	D
sources.	2				
Hygienic assessment of methods of water	2		Ъ		Ъ
treatment and treatment facilities from water		A	В		D
supply sources (coagulation).	2				
Hygienic assessment of drinking water	2	A	В		D
disinfection methods. Laboratory control of chlorination efficiency.		A	D		D
· · · · · · · · · · · · · · · · · · ·	2				
Organization and implementation of sanitary and laboratory control of drinking water quality.	2				
Assessment of drinking water quality based on		A	В	C	D
laboratory analysis.					
Conducting a sanitary survey of a water supply	2				
station and evaluating it	2	A	В		D
Protection of water b	odies				
State sanitary supervision and industrial control	2				
in the field of protection of water bodies from	_	Α	В	C	D
pollution.					
Determination of sanitary conditions for the	2	A	Ъ		D
discharge of wastewater into a reservoir		Α	В	С	D
Organization and implementation of state	2	A	В	C	D

sanitary and epidemiological surveillance in the field of water bodies protection.					
Hygienic assessment of wastewater treatment schemes, urban and rural settlements.	2	A	В		D
Sanitary expertise of water supply projects in populated areas	2	A	В	С	D
Sanitary assessment of the sewerage project.	2	A	В		D
Sanitary inspection of a biological wastewater treatment plant.	2	A	В		D
Sanitary inspection of industrial wastewater treatment facilities.	2	A	В		D
Laboratory testing of wastewater and reservoir water samples. Hygienic assessment of cleaning efficiency.	2	A	В		D
Soil hygiene and cleaning of p	opulated	area	S		
Study of the main indicators of soil contamination by exogenous chemical compounds.	2	A	В		D
Assessment of the sanitary condition of the soil in populated areas.	2	A	В	С	D
Sanitary supervision of the organization of cleaning of populated areas.	2	A	В		D
Rules for soil selection for chemical analysis, bacteriological and helminthological studies.	2	A	В		D
Sanitary inspection of waste disposal facilities.	2	A	В		D
Sanitary assessment of solid and liquid waste disposal facilities	2	A	В		D
Air hygiene					
Organization of monitoring of atmospheric air pollution.	2	A	В		D
Assessment of the content of harmful substances in the atmospheric air.	2	A	В		D
Study of the impact of air pollution on public health.	2	A	В		D
Calculation of the maximum permissible emission for a single stationary source of pollution and its hygienic assessment.	2	A	В	C	D
Study of the patterns of the spread of techno genic pollutants in the atmosphere and its study.	2	A	В		D
Experimental study of the impact of air pollution on public health.	2	A	В		D
Sanitary supervision and industrial control in the field of atmospheric air protection.	2	A	В	C	D

Laboratory tests for sanitary assessment of atmospheric air pollution.	2	A	В		D
Hygiene of residential and pu	blic build	dings	<u> </u>		
Hygienic assessment of the organization of sanitary protection zones of industrial enterprises.	2	A	В	С	D
Sanitary assessment of natural and artificial lighting of premises when considering projects of residential and public buildings.	2			С	D
Hygienic assessment of the duration of solar radiation in residential buildings and residential development areas.	2	A	В	C	D
Sanitary assessment of heating and ventilation in residential and public buildings.	2	A	В	C	D
Hygienic assessment of the microclimate of residential and public buildings.	2	A	В		D
Hygienic assessment of the noise regime of the residential development area at the stage of preventive sanitary supervision.	2			С	D
Hygienic assessment of the vibration and acoustic factor in the premises of residential and public buildings and on the territory of residential development.	2	A	В		D
hygienically assessment of urban transport highways in Bishkek. Collecting data for evaluating highways.	2	A	В		D
State sanitary supervision in the field of planning and development of populated areas.	2	A	В	С	D
State sanitary supervision in the field of hygiene of residential and public buildings and premises.	2	A	В	С	D
Sanitary expertise of urban and rural planning and development projects.	2			С	D
Hygienic assessment of standard residential building designs and consideration of binding projects.	2			С	D
About limit the density of residential development, the density of the housing stock, and the population density of a micro district.	2			С	D
Sanitary expertise of apartment-type residential building projects.	2			С	D
Sanitary expertise of hospital planning and development projects (SES, sanatorium, etc.).	2			С	D
Sanitary examination of the hospital.	2	A	В		D

Conitary assessment of both boyes and love dry	2				
Sanitary assessment of bathhouse and laundry	2	A	В		D
projects. Sanitary inspection of the barbar shap	2	A	В		D
Sanitary inspection of the barber shop.	2		В		D D
Hygienic assessment of building materials		A	1		
Hygienic assessment of swimming pools.	2	A	В		D
Hygienic inspections of water parks	2	A	В		D
<u>2.2.4. FOOD HYGI</u>	<u>ENE</u>	T		1	
Study of the body's energy expenditure and					
assessment of the body's energy adequacy					
Study of the chemical composition of the daily					
diet and nutritional status					
Computational and laboratory methods for					
studying nutrition in organized groups					
Rules for selecting ready meals and products for					
examination. Methods for determining humidity					
and dry residue					
Determination of protein in food and ready					
meals					
Determination of fat in food and ready meals					
Determination of carbohydrates, minerals and					
energy values in food and ready meals					
Determination of vitamins in food and ready					
meals. Determination of the percentage of					
vitamin loss					
Sanitary and hygienic e	xpertise	T			
milk and dairy products					
meat and meat products					
fish and fish products					
grain products					
canned food and concentrates					
fats and oils					
non-alcoholic and national beverages					
Determination of the quality of food					
fortification. Fortification of ready meals and					
products					
Sanitary and hygienic expertise of confectionery					
and honey.					
Investigation and analysis of cases of microbial					
and non-microbial food poisoning.					
Development of preventive food rations in					
industries with particularly harmful working					
conditions					

Conitant and business assessment of food units					
Sanitary and hygienic assessment of food units					
of medical and preventive institutions					
Sanitary and hygienic assessment of therapeutic					
nutrition in medical institutions.					
Hygienic assessment of cooking processes					
Development of dietary nutrition for people					
working with ionizing radiation					
2.2.5. HYGIENE OF CHILDREN A	ND AD(<u>)LES</u>	CE	NTS	
Research and evaluation of physical developme	ent of chi	ildren	and	d adol	escents.
Anthropometric studies.	2	A	В		D
Order and sequence development of physical	2		Ъ		Б
development standards.		A	В		D
Assessment of individual and collective	2		_		_
physical development.	_	A	В		D
Study of the health status of childre	en and a	doles	cent	ts	
To study the state of health of children and	2				
adolescents by generalizing and individualizing	_	Α	В		D
methods.					
Study of indicators that characterize the health	2				
status of children and adolescents.		A	В		D
Hygienic assessment of the educ	rational i	roce	.22		
Hygienic assessment of the daily routine of	2				
children and adolescents based on time sheets.	_	A	В		D
Hygienic assessment of the educational process	2				
in preschool institutions.	2	A	В		D
Hygienic assessment of the educational process	2				
at school.	2	A	В		D
	2				
Hygienic assessment of personal computers and environmental factors shift is used in the	2				
		Α	В		D
classrooms of in form tics and computer					
engineering of educational institutions.	2				
Hygienic assessment of the labor lesson in	2	Α	В		D
general education institutions.					
Hygienic assessment of the physical education	2	Α	В		D
lesson for children and adolescents.	_				
Hygienic assessment of the organization of the	2				_
educational process and industrial training in		A	В		D
institutions of vocational education (SPTU).					
Studies of the functional state of the body and	2				
the performance of the central nervous system		A	В		D
in children and adolescents.					
Hygienic assessment of physic	cal educ	ation			

TT			1						
Hygienic assessment of physical education in	2	Α	В		D				
preschool and general education institutions.	_								
Hygienic assessment of physical education	2				_				
venues, sports equipment and equipment for		A	В		D				
children and adolescents.									
Medical supervision of physical education of	2	Α	В		D				
children and adolescents.		11	D		D				
Hygienic assessment of nutrition.									
Study of nutrition of children and adolescents	2	A	В		D				
(unorganized groups).		A	Ъ		D				
Study and organization of nutrition for	2	٨	В		D				
organized groups of children and adolescents.		A	В		D				
Sanitary and hygienic inspection of the food	2		ъ		D				
hall and children's dairy kitchen.		A	В		D				
Hygienic assessment of furniture and equipme	nt of chil	ldren	's ai	nd ado	lescent				
institutions.	J								
Hygienic assessment of preschool equipment.	2	A	В	С	D				
Hygienic assessment of school teaching	2				_				
equipment.	_	A	В	C	D				
Hygienic assessment of children's household items.									
Hygienic assessment of children's books,	2								
writing materials, and school bags.	_	A	В	C	D				
Hygienic evaluation of children's toys.	2	A	В	С	D				
Hygienic assessment of children's clothing.	2	A	В	C	D				
Sanitary and hygienic expertise of projects of children's and adolescent									
institutions.									
Expertise of the project of preschool educational	2								
institutions.	2	A	В	C	D				
Project expertise of general education	2								
institutions of various types (school, boarding	2								
school, child and adolescent development		Α	В	C	D				
centers).									
Hygienic assessment of planning and	2								
construction of vocational education institutions	2	Α	В	C	D				
(SPTU).		11		C	D				
Hygienic assessment of planning, construction	2								
and organization of work of children's health	2								
facilities (children's health centers, camps,		A	В	C	D				
sanatoriums).									
Hygienic assessment of sanitary facilities and	2								
installations (lighting, ventilation, heating,	_								
water supply, etc.) in children's and adolescent		A	В	C	D				
institutions.									
monunono.									

Sanitary and epidemiological supervision of children's and adolescent institutions.								
The work of a sanitary doctor in the hygiene of	2							
children and adolescents.	_	A	В	C	D			
Sanitary and hygienic examination of various	2		_	~				
types of preschool educational institutions.	_	A	В	C	D			
Sanitary and hygienic survey of general	2		Ъ	<u> </u>	Ъ			
education institutions.		A	В	С	D			
Sanitary and hygienic survey of vocational	2	Α	Ъ	C	D			
education institutions.		A	В	С	D			
Use of basic accounting and reporting forms of	2							
medical documentation for studying and		A			D			
evaluating the health status of children's groups.								
Certification of products, works and services	2							
that pose a potential danger to children and		A	В	C	D			
adolescents.								
Food poisoning in children's groups and	2							
sanitary and hygienic measures to investigate		A	В		D			
and prevent them.								
2.2.6. RADIATION HYGIENE								
Determination of ionizing radiation detection								
The main methods of recording AI (ionization,								
luminescence, scintillation, and photographic	2		В		D			
methods). Radiometric and spectrometric	2		D		D			
methods								
Determination of protection when working with ionizing radiation sources								
Calculation methods for determining ionizing								
radiation doses (time, dose, distance, etc.) and	2	A	В	C	D			
monitoring protection from external radiation								
External and internal radiation dosimetry a		ary e.	xam	inatio	n of			
environmental obje	ects							
Investigation of the effect of ionizing radiation	2	Α	В		D			
on the body	2		ъ					
External radiation dosimetry	2		В		D			
Determination of the natural radiation	2	Α	В		D			
background								
Methods of air sampling and determination for	2	Α	В		D			
radioactivity, its sanitary assessment								
Radiometry of water and soil samples and its	2	Α	В		D			
sanitary assessment.								
Radiometry of food samples and its sanitary	2	Α	В		D			
assessment for radioactivity in food products.								

		ı	1 1			
Determination of radioisotope content in the	2	Α	В		D	
human body						
Investigation of contamination of working	2	Α	В		D	
surfaces with radioactive substances						
Evaluation of decontamination efficiency		Α	В		D	
(water, air, soil, work surfaces, etc.)		7 00				
Preventive and ongoing state sanitary supervi	ision in t	he fie	eld o	of Radi	iation	
hygiene		I	1 1			
Radiation and hygienic assessment of	2			C	D	
nonmetallic raw materials			_			
Radioactivity assessment of building materials	2		В		D	
Radiation monitoring of radiological objects and	2	Α	В		D	
the environment		11				
Preventive sanitary supervision of facilities	_				_	
operating with closed and open sources of	2	A	В	C	D	
ionizing radiation						
Current sanitary supervision of facilities						
operating with open and closed sources of	2	Α	В		D	
ionizing radiation (medical and industrial	_				_	
sources)						
Expertise of projects of facilities using open	2			C	D	
sources of radioactive radiation						
Examination of MRI and CT planning projects	2			С	D	
Prevention of radiation accidents and	2			C	D	
elimination of their consequences						
Radiation and hygiene inspection of residential	2	Α	В		D	
and public buildings		7.1				
Sanitary inspection of environmental objects for	2	Α	В		D	
the content of natural radionuclides		11	ט			
2.2.7. MILITARY HY	<u>GIENE</u>					
Conducting sanitary and hygienic control over	1				_	
the deployment of troops.	_	A	В		D	
Conducting sanitary and hygienic control over	1				_	
the nutrition of troops.	_	A	В		D	
Conducting sanitary and hygienic control over	1				_	
the water supply of troops.	_	A	В		D	
Research on food and water in the context of the	1				_	
use of weapons of mass destruction.	-	A	В		D	
Conducting sanitary and hygienic control over	1					
working conditions in certain branches of the	-	Α	В		D	
armed forces.					_	
2.2.8. GENERAL AND CLINICAL EPIDEMIOLOGY						

Determination of the forms of manifestation of the epidemiological process					
and implementation of anti-epidem	ic measu	ires i	n fo	ci	
Carrying out measures to neutralize the source	2				
of infection in various foci of infectious					
diseases, ensuring the disruption of the					
transmission mechanism by conducting		A	В	C	D
disinfection, disinfection and deracination					
measures and contact persons. Use of drugs					
used in healthcare practice.					
Carrying out infection control in hosp	itals of vo	ariou	s pr	ofiles	
Evaluation of the quality of sterilization of	2				
medical instruments, safety of equipment for					
performing various medical manipulations.		A	В	C	D
Monitoring the safety of medical waste					
collection and disposal.					
Organization of work of the vaccination office	in compli	iance	wit	h the s	safety of
preventive vaccinat	ions				
Planning preventive vaccinations, monitoring	2				
compliance with the cold chain. Analysis of the					
causes of severe post-vaccination reactions and		A	В	C	D
complications. Assessment of the quality of					
collective immunity.					
·					
Conducting epidemiological surveillance d				eature	s of
oncological forms and the epic				eature	s of
oncological forms and the epid Conducting a retrospective and rapid				eature	s of
Conducting a retrospective and rapid epidemiological analysis, investigating the				eature	s of
Conducting a retrospective and rapid epidemiological analysis, investigating the causes of outbreak morbidity. Use of indicators				eature	s of
conducting a retrospective and rapid epidemiological analysis, investigating the causes of outbreak morbidity. Use of indicators that characterize morbidity with an assessment		uation	n		s of
Conducting a retrospective and rapid epidemiological analysis, investigating the causes of outbreak morbidity. Use of indicators that characterize morbidity with an assessment of their reliability, representativeness,				C	s of
Conducting a retrospective and rapid epidemiological analysis, investigating the causes of outbreak morbidity. Use of indicators that characterize morbidity with an assessment of their reliability, representativeness, determination of risk factors with graphical		uation	n		s of
Conducting a retrospective and rapid epidemiological analysis, investigating the causes of outbreak morbidity. Use of indicators that characterize morbidity with an assessment of their reliability, representativeness, determination of risk factors with graphical representation and interpretation of the data		uation	n		s of
Conducting a retrospective and rapid epidemiological analysis, investigating the causes of outbreak morbidity. Use of indicators that characterize morbidity with an assessment of their reliability, representativeness, determination of risk factors with graphical representation and interpretation of the data obtained.	lemic situ 2	uation	n		s of
Conducting a retrospective and rapid epidemiological analysis, investigating the causes of outbreak morbidity. Use of indicators that characterize morbidity with an assessment of their reliability, representativeness, determination of risk factors with graphical representation and interpretation of the data obtained. Conducting anti-epidemic measures in the foci		uation	n		s of
Conducting a retrospective and rapid epidemiological analysis, investigating the causes of outbreak morbidity. Use of indicators that characterize morbidity with an assessment of their reliability, representativeness, determination of risk factors with graphical representation and interpretation of the data obtained. Conducting anti-epidemic measures in the foci of intestinal infections: TB, shigellosis,	lemic situ 2	uation	n		s of
Conducting a retrospective and rapid epidemiological analysis, investigating the causes of outbreak morbidity. Use of indicators that characterize morbidity with an assessment of their reliability, representativeness, determination of risk factors with graphical representation and interpretation of the data obtained. Conducting anti-epidemic measures in the foci of intestinal infections: TB, shigellosis, salmonellosis, viral hepatitis A, viral hepatitis	lemic situ 2	A	В	С	s of D
Conducting a retrospective and rapid epidemiological analysis, investigating the causes of outbreak morbidity. Use of indicators that characterize morbidity with an assessment of their reliability, representativeness, determination of risk factors with graphical representation and interpretation of the data obtained. Conducting anti-epidemic measures in the foci of intestinal infections: TB, shigellosis, salmonellosis, viral hepatitis A, viral hepatitis E, cholera, poliomyelitis, Escherichia coli,	lemic situ 2	uation	n		s of D
Conducting a retrospective and rapid epidemiological analysis, investigating the causes of outbreak morbidity. Use of indicators that characterize morbidity with an assessment of their reliability, representativeness, determination of risk factors with graphical representation and interpretation of the data obtained. Conducting anti-epidemic measures in the foci of intestinal infections: TB, shigellosis, salmonellosis, viral hepatitis A, viral hepatitis E, cholera, poliomyelitis, Escherichia coli, rotavirus infection, staphylococcal diarrhea,	lemic situ 2	A	В	С	D D
Conducting a retrospective and rapid epidemiological analysis, investigating the causes of outbreak morbidity. Use of indicators that characterize morbidity with an assessment of their reliability, representativeness, determination of risk factors with graphical representation and interpretation of the data obtained. Conducting anti-epidemic measures in the foci of intestinal infections: TB, shigellosis, salmonellosis, viral hepatitis A, viral hepatitis E, cholera, poliomyelitis, Escherichia coli, rotavirus infection, staphylococcal diarrhea, enterovirus infections (Coxsackie and ESNO).	lemic situ 2	A	В	С	D D
Conducting a retrospective and rapid epidemiological analysis, investigating the causes of outbreak morbidity. Use of indicators that characterize morbidity with an assessment of their reliability, representativeness, determination of risk factors with graphical representation and interpretation of the data obtained. Conducting anti-epidemic measures in the foci of intestinal infections: TB, shigellosis, salmonellosis, viral hepatitis A, viral hepatitis E, cholera, poliomyelitis, Escherichia coli, rotavirus infection, staphylococcal diarrhea, enterovirus infections (Coxsackie and ESNO). Conducting anti-epidemic measures in hotbeds	lemic situ 2	A	В	С	D D
Conducting a retrospective and rapid epidemiological analysis, investigating the causes of outbreak morbidity. Use of indicators that characterize morbidity with an assessment of their reliability, representativeness, determination of risk factors with graphical representation and interpretation of the data obtained. Conducting anti-epidemic measures in the foci of intestinal infections: TB, shigellosis, salmonellosis, viral hepatitis A, viral hepatitis E, cholera, poliomyelitis, Escherichia coli, rotavirus infection, staphylococcal diarrhea, enterovirus infections (Coxsackie and ESNO). Conducting anti-epidemic measures in hotbeds aerosol infections: diphtheria, measles, rubella,	lemic situ 2	A	В	С	D D
Conducting a retrospective and rapid epidemiological analysis, investigating the causes of outbreak morbidity. Use of indicators that characterize morbidity with an assessment of their reliability, representativeness, determination of risk factors with graphical representation and interpretation of the data obtained. Conducting anti-epidemic measures in the foci of intestinal infections: TB, shigellosis, salmonellosis, viral hepatitis A, viral hepatitis E, cholera, poliomyelitis, Escherichia coli, rotavirus infection, staphylococcal diarrhea, enterovirus infections (Coxsackie and ESNO). Conducting anti-epidemic measures in hotbeds aerosol infections: diphtheria, measles, rubella, mumps, whooping cough, chickenpox, scarlet	lemic situ 2	A A	ВВ	C	D
Conducting a retrospective and rapid epidemiological analysis, investigating the causes of outbreak morbidity. Use of indicators that characterize morbidity with an assessment of their reliability, representativeness, determination of risk factors with graphical representation and interpretation of the data obtained. Conducting anti-epidemic measures in the foci of intestinal infections: TB, shigellosis, salmonellosis, viral hepatitis A, viral hepatitis E, cholera, poliomyelitis, Escherichia coli, rotavirus infection, staphylococcal diarrhea, enterovirus infections (Coxsackie and ESNO). Conducting anti-epidemic measures in hotbeds aerosol infections: diphtheria, measles, rubella, mumps, whooping cough, chickenpox, scarlet fever, meningococcal infection, tuberculosis,	lemic situ 2	A	В	С	D D
Conducting a retrospective and rapid epidemiological analysis, investigating the causes of outbreak morbidity. Use of indicators that characterize morbidity with an assessment of their reliability, representativeness, determination of risk factors with graphical representation and interpretation of the data obtained. Conducting anti-epidemic measures in the foci of intestinal infections: TB, shigellosis, salmonellosis, viral hepatitis A, viral hepatitis E, cholera, poliomyelitis, Escherichia coli, rotavirus infection, staphylococcal diarrhea, enterovirus infections (Coxsackie and ESNO). Conducting anti-epidemic measures in hotbeds aerosol infections: diphtheria, measles, rubella, mumps, whooping cough, chickenpox, scarlet	lemic situ 2	A A	ВВ	C	D

Conducting anti-epidemic measures in hotbeds	2				
vector-borne infections: typhus, plague, lice-		A	В	C	D
borne recurrent typhus, hemorrhagic fevers,					
tick-borne encephalitis.	2				
Conducting anti-epidemic measures in hotbeds	2		_	C	Б
hem contact infections: viral hepatitis B, viral		A	В	C	D
hepatitis C, viral hepatitis D, HIV infection.					
Conducting anti-epidemic measures in hotbeds	2				
skin infections: rabies, tetanus, anthrax, glandes,		A	В	C	D
microspore, troche phimosis.					
Conducting anti-epidemic measures in hotbeds	2				
external skin infections: epidemiological					
surveillance of anthrax, brucellosis, sap,		Α	В	C	D
leptospirosis, yersiniosis, pseudotuberculosis,					
foot-and-mouth disease.					
Conducting anti-epidemic measures in hotbeds	2				
bio gel minthiasis: echinococcosis, tendinosis,		Α	В	C	D
diphyllo bothriosis.					
Conducting anti-epidemic measures in hotbeds	2				
geo helminthiasis: ascariasis, entire biopsies,			ъ	\mathbf{C}	D
toxic acroasis, hookworm disease, stringy		A	В	C	D
lordosis.					
Implementation of anti-epidemic measures in	2				
the centers of protozoal infestations: amole		A	В	C	D
biases, giardiasis, toxoplasmosis, leishmaniosis.					
Conducting anti-epidemic measures in the foci	2				
of infections caused by insects: scabies,		Α	В	C	D
pediculosis.					
Implementation of anti-epidemic measures in	2				
the centers of quarantine infections: plague,		Α	В	C	D
cholera, yellow fever.					
Assessment of the epidemiolog	gical situ	ation			
On cardiovascular diseases and determination of	2				
		Α	В	C	D
the risk factor for the development of pathology					
the risk factor for the development of pathology in the examined territory, prevention measures.					
in the examined territory, prevention measures.	2				
in the examined territory, prevention measures. On bronchopulmonary diseases and	2		_		
in the examined territory, prevention measures. On bronchopulmonary diseases and determination of the risk factor for the	2	A	В	C	D
in the examined territory, prevention measures. On bronchopulmonary diseases and determination of the risk factor for the development of pathology in the examined	2	A	В	С	D
in the examined territory, prevention measures. On bronchopulmonary diseases and determination of the risk factor for the development of pathology in the examined territory, prevention measures.		A	В	С	D
in the examined territory, prevention measures. On bronchopulmonary diseases and determination of the risk factor for the development of pathology in the examined territory, prevention measures. On oncological diseases and determination of	2				
in the examined territory, prevention measures. On bronchopulmonary diseases and determination of the risk factor for the development of pathology in the examined territory, prevention measures. On oncological diseases and determination of the risk factor for the development of pathology		A	ВВ	C C	D D
in the examined territory, prevention measures. On bronchopulmonary diseases and determination of the risk factor for the development of pathology in the examined territory, prevention measures. On oncological diseases and determination of	2	A			

Conducting sanitary and epidemiological	2					
reconnaissance, assessing the epidemiological						
situation in the territory where troops are		Α	В	C	D	
located. Organization of measures for anti-						
bacterial protection of troops.						

CHAPTER 3. SYMPTOMS OF DISEASES

Common symptoms
Blood loss
Overweight, obese
Weight Loss
Exhaustion, cachexia
Loss of appetite
Eating disorders
Fatigue
Increased daytime sleepiness
Lymphadenopathy
Hyperthermia, fever
Fever in immune deficient individuals
Hypothermia
Sweating disorder
Feeling thirsty, polydipsia
Dehydration (dehydration)
Sudden death
Metabolic disorders
Hyperglycemia
Hypoglycemia
Changes in the level of calcium and phosphates
Changes in the level of magnesium, potassium, and sodium
Changes in liver test scores
Changes in the serum lipid spectrum
Change in the number of white blood cells, white blood cell formula
Change in the number of red blood cells
Polycythemia, increased hemoglobin levels
Hypoxia, hypoxemia
Hypercapnia, hypercapnia
Proteinuria
Changes in kidney test scores

Skin symptoms
Pallor of the skin
Cyanosis of the skin
Jaundice of the skin, neonatal jaundice
Puffiness, discoloration of individual parts of the body
Inflammatory skin changes
Skin rashes, acne (acne)
A boil
Tendency to bleed
Itching
Corn
Insect bite
Wounds
Burns
Skin ulceration
Birthmarks (nevus)
Violation of skin pigmentation
Skin tumors
Excessive hair growth (hirsutism)
Hair loss (alopecia)
Changes on the part of the nails
Head, Face, neck
Headache, episodic / chronic/sudden
Facial pain
Head injury
Toothache
Neck pain
Goiter
Ear, throat, nose, mouth, voice, tongue
Ear pain
Hearing loss
Discharge from the ear
Tinnitus
Nosebleeds
Nasal congestion
Nasal discharge
Snoring
Pathology of the lips / tongue/mouth
Increased salivation
Dry mouth
Sore throat

Sore throat
Bad breath
Voice changes (hoarseness/aphonic/dysphonia)
Eyes
Gradual deterioration of vision
Sudden partial / temporary loss of vision
Strabismus
Chicken blindness (nyctalopia)
Double vision (diplopia)
Photophobia (photophobia)
Acute eye pain/burning sensation
Foreign body/feeling of sand in the eyes
Itchy eyes
Redness of the eyes ("Red eye»)
Lacrimation
Purulent and mucosal discharge from the eye
Blepharospasm
Abnormal eyeball movements
Pupil pathology
Exophthalmos
Eye injury
Puffiness of the eyelids
Chest
Mammary glands: feeling heavy/sore/tense
Mammary glands: change in size/contour/symmetry
Gynecomastia
Neoplasm in the breast
Mammary glands: skin retraction, nipple
Mammary glands: discharge from the nipple, including galactorrhea
Mammary glands: eczema of the nipple/areola
Wheezing breath
Shortness of breath
Sleep Apnea
Tachypnea
Cough
Hemoptysis
Chest congestion, chest discomfort
Chest pain
Chest injury
Pleural effusion
Heartbeat

Irregular heart rate/bradycardia/tachycardia
High blood pressure
Low blood pressure
Abdominal cavity, stomach, intestines
Food intolerance
Eating disorders, including dysphagia
Belching (air, undigested food)
Ingestion of a foreign body
Bloating
Formation in the abdominal cavity
Abdominal injury
Heartburn
Epigastric pain
Nausea/vomiting
Abdominal pain
Flatulence
Constipation
Bloody vomiting, melena (tarry stools)
Discoloration or consistency of stool, presence of blood/mucus/pus in the stool
Violation of the act of defecation
Painful act of defecation
Stool incontinence (encopresis)
Rectal bleeding
Itching/pain in the anus
Small pelvis, genitourinary system
Dysuria
Urinary incontinence (enuresis)
Change in urine color
Lower back pain
Groin pain
Formation in the scrotum, swelling of the scrotum
Discharge from the urethra
Pathology of male external genitalia
Painful sexual intercourse (dyspareunia)
Erectile dysfunction, ejaculation (ejaculation)
Premenstrual syndrome
Violation of the menstrual cycle
Dysmenorrhea
Pelvic pain
Pelvic education
Uterine Prolapse/Pelvic relaxation

Vaginal bleeding: intermenstrual/postmenopausal/during pregnancy/postpartum
Vaginal discharge Vaginal discharge
Pathology of external female genitalia
Premature menopause (early menopause)
Menopausal complaints (menopause), including hot flashes
Please prescribe contraception
Suspected pregnancy
Indications for genetic consultation
Request for an abortion
A barren couple. Indications for consultation with a specialist
High-risk pregnancy
Insufficient / excessive weight gain during pregnancy
Fever/hyperthermia during pregnancy
Hypertension during pregnancy
Abdominal pain during pregnancy
Swelling during pregnancy
Low water content
Preterm birth
Bones, joints, back, limbs
Acute pain in the extremities
Typical fractures: radius / scaphoid /
fingers/numerus/clavicle/spine/rib/femur/pelvis/Shin
Laceration, open wound
Traumatic limb amputation
Infected wound
Soft tissue injury
Dislocation of the joint
Shoulder injury
Knee injury
Back injury, including spinal cord injury
Polytrauma
Swelling or soreness of the joints
Joint deformity
Morning stiffness
Restriction of joint mobility
Muscle pain (myalgia)
Back/Lower Back Pain
Poor posture
Gait disorder
Intermittent lameness
Leg puffiness/generalized edema

Leg/foot ulcers
Pain/burning/numbness in the legs
Newborns, children, and teenagers
Crying of a newborn baby
Hypotonic newborn
Diaper rash
Problems associated with breastfeeding
Refusal of food/liquid intake in newborns and children
Enuresis/encopresis in newborns and children
Lameness/pain in the lower extremities in children
Physical and mental retardation in newborns and children
Growth pathology: deceleration and acceleration (acceleration)
Sudden infant death
Earlier / later puberty
Hyperactive child
Advanced age, aging
Cognitive impairment in the elderly
Elderly people in need of care
Malnutrition in the elderly
Bedridden patients
Restricted mobility in the elderly
Headache, joint pain in the elderly
Polypragmasia in the elderly
Sexual dysfunction in the elderly
Sleep disorders in the elderly
Social isolation of the elderly
Urinary incontinence in the elderly
Impaired consciousness, orientation, balance, gait, involuntary movements
Vertigo / vertigo: acute, chronic
Impairment/loss of consciousness, coma
Fainting spells
Involuntary movements: convulsions, spasms, convulsions
Acute paralysis, hemiplegia
Sensation of " goosebumps "(paresthesia)
Changing the sense of touch
Tremor/dyskinesia/Tics
Mental, behavioral and psychological problems
Speech/language disorder
Acute behavior/personality change
Obsessive-compulsive symptoms
Aggressive behavior towards others

Self-aggression/suicide risk
Changing emotions and moods
Nervousness/anxiety/tension/acute stress
Agitation/anxiety
Forgetfulness, memory disorders
Attention and concentration disorders
Insomnia/sleep disorders
Alcoholism
Smoking, tobacco use
Drug abuse
Drug abuse and addiction
Suspected poisoning
Other problems/reasons for seeking medical help/advice
Immunization of newborns/children, periodic preventive examinations of
newborns and children
Examination of a healthy child, examination before vaccination
Advice on immunization before traveling to another country (including a tropical one)
Preoperative examination, research
Psychological/physical / sexual abuse
Fear of cancer/heart disease/HIV / sexually transmitted diseases/other diseases
Terminal condition, dying patient
Psychosocial and interpersonal issues
Loss/death/illness of a loved one
Psychological problems at work
Absenteeism (systematic absenteeism at school, at work)
Patient's financial difficulties/unemployment
Problems with relationships with parents / spouse / partner/child

CHAPTER 4. DISCIPLINARY COMPETENCIES

Name of the nosology	Level	A	В	C	D
4.1. INTERNAL DISEASES					
Clinical conditions					
RESPIRATORY DISEASES					

Acute respiratory infections	1	Α	
Pneumonia	1	A	
Bronchial asthma	1	A	
Acute and chronic bronchitis	1	A	D
Chronic obstructive pulmonary disease	1	A	D
Bronchiectasis disease	1	A	D
Emphysema of the lungs. Pneumonia sclerosis	1	A	
Chronic respiratory failure	1	A	
Pulmonary hypertension, pulmonary heart disease	1	A	
Abscess and gangrene of the lungs	1	A	
Pleurisy, dry and exudative. Pleural empyema	1	A	
Pneumothorax, lung atelectasis	1		
DISEASES OF THE CIRCULATORY SYSTEM	•		•
Hypertension and systemic hypertension	1	A	D
Arterial hypotension	1	A	D
Atherosclerotic disease	1		D
Myocardial infarction	1	A	
Angina pectoris	1	A	
Pericarditis	1		
Post-infarction cardiosclerosis	1	A	
Atherosclerotic cardiosclerosis	1	A	
Congenital and acquired heart defects	1	A	
Myocarditis	1		
Cardiomyopathies	1		
Infectious endocarditis	1		
Rhythm and conduction disorders (arrhythmias,	1		
blockages)			
Congestive heart failure	1		
Pulmonary embolism	1		
DISEASES OF THE DIGESTIVE SYSTEM			
Achalasia of the esophagus	1	A	
Peptic ulcer of the esophagus	1	A	
Hiatal hernia	1	A	
Chronic gastritis	1	A	
Functional digestive disorders	1	A	
Francisco el la constation de la constat			
Functional bowel diseases Particular of the started and decidence.	1		
Peptic ulcer of the stomach and duodenum	1	A	
Duo densities Classification in the control of the	1		
Chronic enteritis	1		
Non-specific ulcerative colitis	1		

Crohn's disease	1		
Acute and chronic pancreatitis	1	A	
Dyskinesia of the biliary tract and gallbladder	1	A	
Cholecystitis. Cholangitis	1	A	D
Chloe lithalsas	1	A	D
Post cholecystectomy syndrome	1	A	D
Acute hepatitis of non-viral etiology	1	A	
Chronic hepatitis	1	A	
Cirrhosis of the liver	1	A	
DISEASES OF THE URINARY SYSTEM	l .		
Glomerulonephritis, acute and chronic	1	A	
Pyelonephritis, acute and chronic	1	A	
Amyloidosis of the kidneys	1		
Chronic kidney disease	1		
Urolithiasis	2	A	D
Toxic kidney damage	1		D
Cystitis, acute and chronic	2	A	D
Urethritis	2	A	D
Congenital anomalies of the kidneys and urinary tract	1		
Prostatitis	2	A	D
Hypertrophy of the foreskin, phimosis, paraphimotic	1	A	
Cryptorchidism	1	A	
Castalia	1	A	
Urinary fistula	1	A	
Urinary incontinence	1	A	
Enuresis	1	A	
DISEASES OF THE HEMATOPOIETIC SYSTEM			
Post-hemorrhagic anemia	1	A	D
Iron deficiency anemia	1	A	D
In ₁₂ - and folate-deficient anemia	1	A	D
Hemolytic anemia	1	A	
Hypo-and aplastic anemia	1	A	
Hemorrhagic diatheses	1	A	
Agranulocytosis	1	A	
Erythema and erythroid cytosols	1	A	
Lymphadenopathies	1	A	
DIC-syndrome	1	A	
ENDOCRINE SYSTEM DISEASES AND METABOLI	C DISO	RDERS	
Diabetes mellitus	2	A	D
Thyroiditis	1	A	
Diffuse toxic goiter	1	A	

Hypoparathyroidism, hyperparathyroidism	1			
Itsenko-Cushing's disease and syndrome	1	A		
Diseases of the adrenal glands (Addison's disease, pheochr	1			
mocytoma)				
Obesity	2	A	В	D
Gout	2	A	В	D
Iodine deficiency conditions and endemic goiter.	2	A	В	D
Hypothyroidism (myxedema)				
DISEASES OF THE JOINTS AND CONNECTIVE TISS	SUE		<u> </u>	1
Systemic lupus erythematosus	1	A		
Systemic scleroderma	1	A		
Dermatomyositis (primary and paraneoplastic)	1	A		
Nodular per arteritis	1	A		
Rheumatic fever	1	A		
Rheumatoid arthritis	1	A		
Reactive arthritis	1	A		
Deforming osteoarthritis	1	A		
Ankylosing spondylitis	1	A		
Reiter's disease and syndrome	1	A		
Osteoporosis	2	A	В	D
Myositis	1	A		
High-altitude diseases				
Acute mountain sickness	2	A	В	D
High-altitude pulmonary edema	1	A		
High-altitude brain edema	1	A		
Alpine climate therapy	1			
Selection of people to work in the mountains	1	But		D

4.2. CHILDREN'S DISEASES	5			
Clinical conditions				
Diseases of newborns				
Premature babies. Delayed fetal development	1	A		
Hypoxia and asphyxia of newborns	1	A		
Brain hemorrhages	1	A		
Spinal birth injuries	1	A		
Neonatal jaundice, conjugation, hemolytic, parenchymal	1	A		
Hemorrhagic disease of newborns	1	A		
Intrauterine infections of viral and bacterial etiology	1	A		
Embryo-and fet pathies of newborns	1	A		
Pneumonia patsies of newborns	1	A		

Pneumonia of newborns	1	A			
Anemic conditions of newborns	1	A			
Early childhood diseases					
Hypo-and vitamin deficiencies	1	A			
Rickets	2	A			
Hyper vitamin D	2	A			
Spasm philia	1	A			
Exudative-catarrhal diathesis	2	A			
Lymphatic-hypo plastic diathesis	1	A			
Neuro-arthritic diathesis	1	A			
Allergic diatheses	2	A			
Hypotrophy	2	A			
Par atrophy	2	A			
Respiratory diseases					
Bronchitis, acute simple, acute obstructive, recurrent	1	A			
Bronchiolitis, acute, acute obliterating	1	A			
Bronchial asthma	2	A			
Pneumonia, focal, focal-confluent, segmental, croup,	2	A			
interstitial					
Pleurisy, dry and exudative	1	A			
Diffuse pneumonia sclerosis, idiopathic pulmonary	1	A			
hemosiderosis, Good pasture syndrome, Haman-Rich					
syndrome					
Cystic fibrosis	1	A			
Diseases of the circulatory system	1		ı	ı	1
Congenital heart defects	1	A			
Non-rheumatic myocarditis	1	A			
Myocardial dystrophy	1	A			
Cardiomyopathies	1	A			
Infectious endocarditis	1	A			
Acquired rheumatic heart disease	1	A			
Rhythm and conduction disorders (arrhythmias, blockages)	1	A			
Heart failure, acute and chronic	1	A			
Diseases of the digestive system					
Gastritis and gastro duo densities	1	But			
Peptic ulcer disease	1	A			
Peptic ulcer of the stomach and duodenum	1	A			
Non-specific ulcerative colitis	1				
Acute and chronic pancreatitis	1	A			
Celiac disease	1	A			
Diseases of the liver and biliary tract					

Dyskinesia of the biliary tract and gallbladder	1	A		
Cholecystitis. Cholangitis	1	A		
Chronic hepatitis	1	A		
Cirrhosis of the liver	1	A		
Diseases of the urinary system				
Glomerulonephritis, acute and chronic	1	A		
Nephrotic syndrome	1	A		
Pyelonephritis, acute and chronic	1	A		
Cystitis, acute and chronic	1	A		
Acute kidney injury	1	A		
Chronic kidney disease	1	A		
Tubule patsies, with skeletal abnormalities, polyuria,	1	A		
nephrolithiasis				
Hereditary nephritis	1	A		
Hemolytic-uremic syndrome	1	A		
Diseases of the hematopoietic system			•	
Post-hemorrhagic anemia	1			
Iron deficiency anemia	2	But	In	D
Protein deficiency anemia	1	But		D
In ₁₂ -, E-folate deficiency anemia	2	But		D
Hemolytic anemia, inherited and acquired	1			
Hypo-and aplastic anemia	1			
Hemorrhagic vasculitis	1	But		
Idiopathic thrombocytopenic purpura	1			
Hemophilia	1			
Leukemia reactions	1			
Diseases of the endocrine system				
Diabetes mellitus	2	But		D
Hypothyroidism (myxedema)	2	But		
Diffuse toxic goiter	2	But		
Endemic goiter	2	But		D
Parathyroid diseases, hypoparathyroidism and	1	But		
hyperparathyroidism				
Obesity	2	But	In	D
Adreno genital syndrome	1	But		
Chronic adrenal insufficiency	1	But		
Acute adrenal insufficiency	1	But		
Growth retardation due to growth hormone deficiency	1	But		
Pituitary gigantism	1	But		
Acromegaly	1	But		
Hypogonadism in boys and girls	1	But		

Premature sexual development in boys and girls	1	But			
Diseases of the joints and connective tissue					
Systemic lupus erythematosus	1	A			
Systemic scleroderma	1	A			
Dermatomyositis	1	A			
Nodular per arteritis	1	A			
Juvenile rheumatoid arthritis	1	But			
Allergic diseases					
Anaphylactic shock	2	A		With	
Serum sickness	2	A		With	
Stevens-Johnson syndrome	2	A		With	
Lyell's syndrome	2	A		With	
Food allergies	2	But		With	D
Urticarial	2	A	In	With	D
Angioedema	2	A	In	With	D
Pollinizes	2	A	In	With	D
Immunodeficiency conditions, congenital and acquired	1	But			
Hereditary diseases					
Shereshevsky-Turner syndrome	1	A			
Klinefelter syndrome	1	A			
Down Syndrome	1	A			
Phenylketonuria	1	A			
Marfan Syndrome	1	But			
4.3. CHILDHOOD INFECTIOUS DIS	EAS	SES			
Acute intestinal infections					
Dysentery	2	A			D
Salmonellosis	2	A			D
Escherichiosis	1	A			D
Staphylococcal infection	2	A			D
Acute intestinal infections caused by opportunistic entire	2	A			
bacteria					
Viral diarrhea	2	A			
Dehydration syndrome	2	But		With	D
Pseudotuberculosis	1				
Acute respiratory infections		U			
Flu, neuro toxicities	2	A			D
Parainfluenza	2	A			D
Adenovirus, rhinovirus, MS infection, obstructive syndrome	2	But			D
Enterovirus infection	1	But			
Acute viral hepatitis					
	2	But			D

Heptode strophe. Differential diagnosis of hepatitis Drip infections	Drip infections	1				D
Measles 2 But D Scarlet fever 2 But D Rubella 2 But D Chickenpox 2 But D Herpes infections 2 But D Whooping cough, par coccus 2 But D Mumps infection 2 But D Infectious mononucleosis 2 But D Diphtheria 1 D D Meningococcal infection and other OBMs 1 D D Encephalitis primary, secondary 1 D D Other infections 1 D D HIV infection in children 1 D D Opportunistic infections 1 D D Polio 1 D D Helminthiasis 2 But In D Acute appendicitis 1 But D Perforated stomach ulcer 1 But D <td></td> <td>2</td> <td>But</td> <td></td> <td></td> <td></td>		2	But			
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Diphtheria	Mumps infection	2	But			D
Meningococcal infection and other OBMs 1 D Encephalitis primary, secondary 1 D Other infections HIV infection in children 1 D Opportunistic infections 1 D Polio 1 D Helminthiasis 2 But In D 4.4. SURGICAL DISEASES Sharp stomach Acute appendicitis 1 But D Perforated stomach ulcer 1 But D Acute cholecystitis 1 But D Acute pancreatitis 1 But D Peritonitis 1 But D Intestinal obstruction 1 But But Hernia infringement 1 But With		2				
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Acute pancreatitis Peritonitis Intestinal obstruction Hernia infringement Vascular diseases 1 But D 1 But 1 But With	Acute cholecystitis	1	But			D
Peritonitis 1 But Intestinal obstruction 1 But Hernia infringement 1 But With Vascular diseases	•	1	But			D
Hernia infringement 1 But With Vascular diseases	1	1	But			
Vascular diseases	Intestinal obstruction	1	But			
Vascular diseases	Hernia infringement	1	But		With	
Acute arterial obstruction embolism		ı				
		1				
	Acute arterial obstruction, embolism	1	But			
and vessels of the extremities	·					
Obliterating endarteritis 1 But	Thrombosis of the pulmonary artery, mesenteric vessels,	1	But			
Varicose veins 1 But	Thrombosis of the pulmonary artery, mesenteric vessels, and vessels of the extremities	1	But			
Phlebitis, thrombophlebitis 1 But	Thrombosis of the pulmonary artery, mesenteric vessels, and vessels of the extremities Obliterating endarteritis		D.,,4			
Purulent diseases, wound infection	Thrombosis of the pulmonary artery, mesenteric vessels, and vessels of the extremities Obliterating endarteritis Varicose veins	+	But			
A boil 2 But 1	Thrombosis of the pulmonary artery, mesenteric vessels, and vessels of the extremities Obliterating endarteritis Varicose veins Phlebitis, thrombophlebitis	+	But			
Carbuncle 2 But	Thrombosis of the pulmonary artery, mesenteric vessels, and vessels of the extremities Obliterating endarteritis Varicose veins Phlebitis, thrombophlebitis Purulent diseases, wound infection	1				
Abscess 2 But	Thrombosis of the pulmonary artery, mesenteric vessels, and vessels of the extremities Obliterating endarteritis Varicose veins Phlebitis, thrombophlebitis Purulent diseases, wound infection A boil	1 2	But			
Philemon 1 But	Thrombosis of the pulmonary artery, mesenteric vessels, and vessels of the extremities Obliterating endarteritis Varicose veins Phlebitis, thrombophlebitis Purulent diseases, wound infection A boil Carbuncle	1 2 2	But But			
Lymphadenitis 1 But	Thrombosis of the pulmonary artery, mesenteric vessels, and vessels of the extremities Obliterating endarteritis Varicose veins Phlebitis, thrombophlebitis Purulent diseases, wound infection A boil Carbuncle Abscess	1 2 2 2	But But			

Panaretos	2	But	
Hidradenitis	2	But	
Sepsis	1		
Gangrene	1	But	
Breast diseases	•	•	
Mastitis	2	But	D
Mastopathy	1		
Injuries			
Bruises	2	But	
Wounds	2	But	
Fractures	2	But	
Dislocations	2	But	
Cracks	2	But	
Burns	2	But	
Benign neoplasms of the skin and subcutaneous tissue	1	But	
Ingrown toenail	2	But	
Diseases of the rectum			
Hemorrhoids	2	But	D
Anal fissure	2	But	D
Rectal prolapse	1	But	
Paraproctite	1	But	
Perirectal fistula	1	But	
Congenital malformations			
Hirschsprung's disease	1	But	
Dolichosigma	1	But	
Doubling the colon	1	But	
Rectal prolapse	1	But	
Phimosis, paraphimotic	1	But	
Cryptorchidism	1	But	
Osteochondropathies	1	But	
Congenital clubfoot	1	But	
Congenital hip dislocation	1	But	
Flat feet	1	But	
Muscular torticollis	1	But	
Scoliosis, kyphosis of the spine	1	But	
Surgical diseases of the endocrine system in children			
Diseases of the adrenal glands	1		

4.5. DISEASES OF THE FEMALE GENITAL ORGANS AND

BREAST CANCER					
Midwifery					
Pregnancy diagnosis	2	But			
Childbirth is physiological	2	But		With	
Postpartum period	2	But	In		
Pelvic presentation	1	But			
Multiple pregnancies	1				
Polyhydramnios, low water levels	1				
Spontaneous abortion (miscarriage)	2	But			
Preterm birth	2	But			
Ectopic pregnancy	1				
Diseases of internal organs that complicate the course of	1				
pregnancy					
Vomiting of pregnant women	2	But			
Preeclampsia and eclampsia	1	But		With	
Rh-is immunization	1	But			
Fetal hypoxia	1				
Gestational trophoblastic disease	1				
Placenta Previa	1	But			
Premature detachment of the normally located placenta	1	But			
Bleeding in the subsequent and early postpartum period	1	But			
Clinical narrow pelvis	1	But			
Ruptures of the vulva, vagina, and perineum	1	But			
Cervical rupture	1	But			
Uterine rupture	1	But			
Postpartum endometritis	1	But			
Nipple infection	2	But			
Breast abscess	1	But			
Non-purulent mastitis	2	But			
Stagnation in the mammary glands	2	But	In		
Gynecology					
Endometritis, salpinges prorates	1	But			
Infected abortion, community-based abortion	1	But			
Ovarian apoplexy	1				
Dysfunctional uterine bleeding	1				
Amenorrhea	1	But			
Premenstrual syndrome	2	But			
Hirsutism	1	But			
Infertility	1	But			
Menopausal syndrome	2	But			

Menopause	2	But	
Endometriosis	1	But	
Uterine fibroids	1	But	
Cervical erosion, polyp, dysplasia	1	But	
Mast dyne	1	But	
Hypo galactic	1	But	
Pediatric and adolescent gynecology	1	But	
Family planning	2	But	

4.6. INFECTIOUS DISEASES			
Intestinal infections and infestations			
Typhoid fever	1	But	D
Para typhus	1	But	D
Food toxic infections	2	But	D
Salmonellosis	2	But	D
Dysentery	2	But	D
Cholera	1	But	D
Botulism	1	But	D
Enterovirus infection	2	But	D
Rotavirus infection	1	But	D
Yes semiosis	1	But	D
Viral hepatitis			
Viral hepatitis with a fecal-oral transmission mechanism	2	But	D
Viral hepatitis with parenteral transmission mechanism	1	But	D
Helminthiasis			
Nematodes	2	But	D
Trematodes	1	But	D
Custodies	2	But	D
Tissue worms	1	But	D
Parasitic infections			
Amie biases	2	But	D
Giardiasis	2	But	D
Balanitis diesis	1	But	D
Toxoplasmosis	1	But	D
Malaria	1	But	D
Leishmaniosis	1	But	D
Airborne infections			
Acute respiratory viral infections	2	But	D
Flu	2	But	D
Herpes infection	2	But	D

Cytomegalovirus infection	2	But		D
Infectious mononucleosis	2	But		
Natural smallpox	1	But		
Meningococcal infection	1	But		D
Angina	2	But		D
Blood-borne infections				
Epidemic typhus. Broil's disease	1	But		
Hemorrhagic fevers	1	But		
Seasonal encephalitis: tick-borne encephalitis	1	But	In	D
Other infectious diseases				
Tetanus	1	But		D
Erysipelas	2	But		D
Rabies	1	But		D
Anthrax	1	But		D
Brucellosis, zoonotic infections of chlamydial etiology	2	But		D
Leptospirosis	1	But		D
Pseudotuberculosis	1	But		D
HIV infection	1	But		D
The Plague	1	But		D
Tularemia	1	But		D

4.7. TUBERCULOSIS				
Tuberculosis of the lungs and pleura	2	But		D
Extra pulmonary forms of tuberculosis	1	But		D
Tuberculosis in children	1	But		D
Complication after BCG vaccination in young children	2	But In		D

4.8. DISEASES OF THE NERVOUS SYSTEM				
Vascular diseases of the brain				
Transient cerebral circulatory disorders	1	But		
Ischemic strokes	1	But		
Hemorrhagic strokes	1	But		
Vertebra-basilar dyes circulation	1	But		
Senile brain degeneration	1	But		
Hypertensive encephalopathy	1	But		
Diseases of the peripheral system				
Neuritis	1	A		
Alcoholic polyneuropathy	1	A		D
Sciatica, sciatica	1	A		

Plexus's, natal plexus's	1	A	
Arch nudities	1		
Brain resurgence	2	A	
Diencephalic hypothalamic syndrome	1	A	
Congenital diseases			
Microcephaly	2	But	
Hydrocephalus	2	But	
Epilepsy, convulsive states	2	But	
Infantile cerebral palsy	1	But	
Multiple sclerosis	1	But	
Migraines	2	But	D

4.9. MENTAL ILLNESSES				
Schizophrenia	1	But		
Neuroses	2	But		
Neurasthenia	1	But		D
Psychoses	1	But		
Depressions	2	But		D
Chronic alcoholism, drug addiction, substance abuse	1	But		D
Tobacco addiction	2	But		D
Psychosomatic diseases	2	But		
Sexy pathological disorders	1			
Psychopathy	1	But		
4.10. SKIN AND VENEREAL DISEAS	SES		•	
Non-communicable skin diseases				
Dermatitis	1	But		
Toxic derma	1	But		
Eczema	1	But		
Neuro dermatitis	1	But		
Erythema no do sum	1	But		
Psoriasis	1	But		
Lichen planus erythematosus	1	But		
Pink lichen	1	But		
Vitiligo	1	But		
Seborrhea	1	But		
Vulgar blackheads	2	But		D
Alopecia nesting	1	But		
Lupus erythematosus, scleroderma, dermatomyositis (skin	1	But		
manifestations)				
Viral diseases				

Warts	2	But	
Pointed Candlemas	2	But	
Pediculosis	2	But	D
Scabies	2	But	D
Fungal skin diseases	1	But	D
Sexually transmitted diseases			
Syphilis	1	But	
Gonorrhea	2	But	
Trichomonas's	1	But	
Urogenital chlamydia, micro plasmodia	1	But	
Soft chancre	1	But	
Ulcerative pyoderma	1	But	
Vulgar pemphigus	1	But	
Leprosy	1	But	

4.11. DISEASES OF THE EAR, THROAT, AND NOSE				
Rhinitis	2	A		D
Sinusitis	2	A		D
Pharyngitis, laryngitis, trachealis	2	A		D
Sore throat, chronic tonsillitis	2	A		D
Upper respiratory tract polyposis	1	A		
External, otitis media	2	A		D
Foreign body of the external auditory canal, nasal cavity	1	A		
Sulfur plug	2	A		D
Hearing loss	1	A		

4.12. EYE DISEASES					
Conjunctivitis	2 A				
Blepharitis	1 A				
Dacryoadenitis, dacryon cystitis	1 A				
Keratitis	1 A				
Barley	2 A				
Foreign body of the eye	2 A				
Glaucoma	1 A				
Myopia	1 A				
Hyper metopic	2 A				
Presbyopia	1 A				
Strabismus	1 A				
Cataract	1 A				

4.13. DENTAL DISEASES			
Tooth decay	2	A	D
Para dentists	1	A	D
Gingivitis	1	A	D
Stomatitis	2	A	D
Gloss it	1	A	

4.14. ONCOLOGICAL DISEASES					
Acute and chronic leukemia	1	A		D	
Lymphogranulomatosis	1	A			
Lymph sarcoma, reticule sarcoma	1	A			
Myeloma disease	1	A			
Lung cancer	1	A		D	
Esophageal cancer	1	A		D	
Stomach cancer and other neoplasms	1	A		D	
Tumors of the colon and small intestine	1	A		D	
Rectal cancer	1	A		D	
Cancer of the pancreas and Voter's nipple	1	A		D	
Tumors of the gallbladder and biliary tract	1	A		D	
Neoplasms of the liver, primary liver carcinoma	1	A		D	
Thyroid cancer	1	A		D	
Bone and soft tissue tumors	1	A		D	
Breast cancer	1	A		D	
Kidney neoplasms, kidney cancer	1	A		D	
Adenoma, prostate cancer	1	A		D	
Bladder cancer	1	A		D	
Cancer of the cervix, vulva, uterine body, ovaries	1	A		D	
Trophoblastic disease	1	A		D	
Papilloma	1	A		D	
Hepatoma	1	A		D	
Basal cell carcinoma	1	A		D	
Epithelium	1	A		D	
Skin cancer	1			D	
Melanoma	1	A		D	
Cancer of the nasopharynx, larynx	1	A		D	
Cancer of the lip, oral mucosa	1	A		D	
Neuroblastoma, Wilms tumor, retinoblastoma, treat blastemal	1	A		D	

4.15. EMERGENCY CONDITION	<u>IS</u>			
Shock (anaphylactic, traumatic, hemorrhagic, etc.)	2	But		D
Fainting	2	But	With	D
Collapse	2	But	With	D
Coma (anemic, hypoglycemic, etc.)	2	But		D
Acute respiratory failure (in severe forms of airway	2	But		D
obstruction, respiratory disorders syndrome in newborns)				
Laryngeal edema, false croup	2	But		D
Asthmatic status	2	But		D
Angioedema	2	But	With	D
Open, closed, valvar pneumothorax	1	But		
Pulmonary embolism	1			
Acute heart failure (left ventricular, right ventricular, total)	2	But		
Cardiac rhythm and conduction disorders	2			
Hypertensive crisis	1	But		
Angina, myocardial infarction	1	But		
Hepatic colic	1	But		
Bleeding (arterial, venous, gastrointestinal, nasal, uterine,	2	But	With	
pulmonary, post-traumatic)				
Renal colic	2	But		
Acute urinary retention	2	But		
Phimosis, paraphimotic	1	But		
Acute renal failure	1	But		
Acute liver failure	1	But		
Acute adrenal insufficiency, Addison's crisis	1	But		
Concussion, bruise, compression of the brain	1	But		
"Acute stomach" (appendicitis, ectopic pregnancy, ovarian	1	But		
apoplexy, pyro salpinx, pie varoom, cholecystitis, perforated				
gastric ulcer and duodenal ulcer, pinched hernia,				
pancreatitis, acute intestinal obstruction, pain syndrome in				
helminthiasis, perforation of the colon in necrotic ulcerative				
colitis, abdominal syndrome in hemorrhagic vasculitis; pain				
syndrome in pyelonephritis in children)	1	D (
Brain stroke, a dynamic disorder of the cerebral circulation	1	But		
Pulmonary edema	2	But		
Brain edema	1	But	XX 7* .1	D
Convulsive conditions (hyperthermia, hypocalcemia	2	But	With	ט
seizures in children)	2	D /		D
Epileptic status	2	But		D
Alcoholic delirium	1	But		D

Withdrawal symptoms	2				D
Psychomotor agitation	1	But			D
Acute glaucoma attack	1	But			
Chemical and thermal burns, frostbite	1	But			D
Electric shock, lightning, heat and sun damage	1	But			D
Poisoning cases	1	But			D
Drowning, suffocation	1	But			D
Thyrotoxicosis crisis	2	But			D
Preeclampsia, eclampsia	1	But			D
Bone fractures, dislocations, bruises, wounds, sprains	1	But			D
Clinical death	2	But	In	With	
Sudden death syndrome in children	2				
Excises in children, a salting form of adrenal genital	1	But			D
syndrome					
Edematous, edematous-ascetic syndrome	2	But		With	
Dyspnea-cyanotic attack in Fallout's disease in children	1	But			
Septicemia, septic copyedit	1	But			
Brain hemorrhages in newborns	1	But			
Hemolytic crisis, hyperbilirubinemia in neonatal hemolytic	1	But			
disease					
Hyperthermia in children	2	But			D
Severe anemia in children	1	But			D
Aplastic crisis in hypo-and aplastic anemia	1	But			

4.16. PHARMACOTHERAPY	
Theoretical foundations	Level
Individual variability and individualized treatment	
Basic pharmacological concepts: drug safety, drug efficacy, therapeutic	1
index	
Adult pharmacokinetic parameters, saturation dose and maintenance	2
dose under normal conditions	
Methods of administration of medicinal substances and forms of	2
medicinal substances	
Prescribing medications during pregnancy and lactation (safe	2
medications for the treatment of common diseases, the risk associated	
with taking medications)	
Prescribing medications to infants	2
Principles of prescribing medicines to children, with the calculation of	2
dosage based on body weight, body surface area	
Administration of medicines to the elderly (pharmacokinetics,	2
pharmacodynamics and dosage principles)	

Drug interactions (fundamentals of pharmacodynamics and	2
pharmacokinetics, basic drug interactions) Influence of gender, diet, smoking, alcohol, internal and external factors and drug metabolism	1
on drug metabolism Administration of drugs for rangl discusses (changes in	2
Administration of drugs for renal diseases (changes in pharmacokinetics, dosage, features of administration depending on	2
creative clearance)	
Prescribing medications for liver diseases (changes in pharmacokinetics	2
and pharmacodynamics, contraindicated medications, hepatotoxic	2
drugs, calculation of the initial and maintenance dose based on hepatic	
clearance)	
Administration of drugs for heart failure (changes in pharmacokinetics	2
and pharmacodynamics, optimal routes of administration of drugs,	
drugs contraindicated in cardiovascular diseases, cardio toxic drugs,	
adaptation of the initial and maintenance dose in heart failure)	
Drug safety, prevention and diagnosis of adverse reactions	
Side effects (frequency. Classification, detection and prevention, risk	2
factors, drug allergy, drug toxicity, the role of toxic drug metabolites,	
patient education).	
The main antidotes for drug poisoning	2
Measures for drug poisoning and measures aimed at enhancing the	2
elimination of medicinal substances	
Common drug poisonings (sedatives, antidepressants, opiates, opioid	2
substances, paracetamol, aspirin)	
Principles of pharmacotherapy	
Placebo effect (mechanism, role in clinical trials)	1
Reimbursement of the cost of medicines (List of vital medicines, State	2
Guarantee Program, Additional package)	
Evidence-based medicine. Basic concepts of evidence-based medicine	1
Sources of information on evidence-based drug therapy. Levels of	1
evidence	
4.17. MEDICAL RADIOLOGY	
Theoretical foundations	Level
Principles of radiation oncology	
Tumor formation, tumor classification and principles TNM	1
Methods of radio oncology	1
Therapy in radio oncology	1
Computed tomography (CT) scan)	
Technical parameters of CT: detector, image formation, gain,	
Hounsfield scale	
Indications for CT scan	
Ultrasound examination (ULTRASOUND)	

Tachnical parameters of ultrasounds image formation Donnlar effect	1
Technical parameters of ultrasound: image formation, Doppler effect Advantages and disadvantages of ultrasound in comparison with other	2
methods of image reproduction	2
Magnetic resonance imaging	
Technical parameters of MRI: magnetism, radio frequency, relaxation	1
time, signal characteristics of tissues	
Indications and contraindications, safety measures for MRI examination	2
Contrast agents	
Contrast agents: types, indications, contraindications	1
Contrast agents: adverse reactions, prevention, treatment	2
Interpretation of the results of X-ray examinations of various organs a systems	nd
X-ray examination for lung damage: alveolar induration, interstitial	2
diseases, nodules, bulky formations in the lungs	
X-ray examination for pleural, mediastinal, and thoracic lesions	2
X-ray examination for bone and joint damage: osteoporosis, bone	2
metastases, ostia malaria, pseudo arthritis, deforming osteoarthritis,	
narrowing of the joint gap	
X-ray examination for limb fractures: clavicle, shoulder, numerus,	2
radius, ulna, hand (distal radius), fingers, femur, knee, tibia and fibula,	
fingers	_
X-ray examination of spinal injuries: compression fractures, scoliosis, kyphosis	2
4.18. PUBLIC HEALTH AND HEALTHCARE	
Theoretical foundations	Level
Basic terms and concepts in public health and healthcare	•
Key terms and concepts in public health and healthcare: health and	1
Key terms and concepts in public health and healthcare: health and disease, pathogenesis, etiology, individual and public health, public	1
	1
disease, pathogenesis, etiology, individual and public health, public	2
disease, pathogenesis, etiology, individual and public health, public health, preventive medicine, health service, health promotion, lifestyle	
disease, pathogenesis, etiology, individual and public health, public health, preventive medicine, health service, health promotion, lifestyle The concept of primary, secondary and tertiary prevention Biostatistics Theoretical foundations of biostatistics (probability theory, the law of	
disease, pathogenesis, etiology, individual and public health, public health, preventive medicine, health service, health promotion, lifestyle The concept of primary, secondary and tertiary prevention Biostatistics Theoretical foundations of biostatistics (probability theory, the law of large numbers)	2
disease, pathogenesis, etiology, individual and public health, public health, preventive medicine, health service, health promotion, lifestyle The concept of primary, secondary and tertiary prevention Biostatistics Theoretical foundations of biostatistics (probability theory, the law of large numbers) Organization of statistical research. Statistical methods of research	2
disease, pathogenesis, etiology, individual and public health, public health, preventive medicine, health service, health promotion, lifestyle The concept of primary, secondary and tertiary prevention **Biostatistics** Theoretical foundations of biostatistics (probability theory, the law of large numbers) Organization of statistical research. Statistical methods of research processing. Methods for calculating relative quantities (The concept of	2
disease, pathogenesis, etiology, individual and public health, public health, preventive medicine, health service, health promotion, lifestyle The concept of primary, secondary and tertiary prevention Biostatistics Theoretical foundations of biostatistics (probability theory, the law of large numbers) Organization of statistical research. Statistical methods of research	1
disease, pathogenesis, etiology, individual and public health, public health, preventive medicine, health service, health promotion, lifestyle The concept of primary, secondary and tertiary prevention <i>Biostatistics</i> Theoretical foundations of biostatistics (probability theory, the law of large numbers) Organization of statistical research. Statistical methods of research processing. Methods for calculating relative quantities (The concept of relative quantities, types of relative quantities-extensive, intensive,	2
disease, pathogenesis, etiology, individual and public health, public health, preventive medicine, health service, health promotion, lifestyle The concept of primary, secondary and tertiary prevention **Biostatistics** Theoretical foundations of biostatistics (probability theory, the law of large numbers) Organization of statistical research. Statistical methods of research processing. Methods for calculating relative quantities (The concept of relative quantities, types of relative quantities-extensive, intensive, ratios, values, their definition, calculation methods, scope and	2
disease, pathogenesis, etiology, individual and public health, public health, preventive medicine, health service, health promotion, lifestyle The concept of primary, secondary and tertiary prevention **Biostatistics** Theoretical foundations of biostatistics (probability theory, the law of large numbers) Organization of statistical research. Statistical methods of research processing. Methods for calculating relative quantities (The concept of relative quantities, types of relative quantities-extensive, intensive, ratios, values, their definition, calculation methods, scope and characteristics)	1 1
disease, pathogenesis, etiology, individual and public health, public health, preventive medicine, health service, health promotion, lifestyle The concept of primary, secondary and tertiary prevention Biostatistics Theoretical foundations of biostatistics (probability theory, the law of large numbers) Organization of statistical research. Statistical methods of research processing. Methods for calculating relative quantities (The concept of relative quantities, types of relative quantities-extensive, intensive, ratios, values, their definition, calculation methods, scope and characteristics) Methods for calculating average values. Variation series, types of	1 1

parametric and nonparametric methods for evaluating the reliability of results	
Correlation coefficient and its estimation. Parametric and nonparametric	1
methods for calculating the correlation coefficient, their significance	
and practical application. Standardization method	
Dynamic series. Dynamic series indicators, their calculation and	1
practical application	
Graphical representation in statistics and their use for analyzing	1
phenomena	
Demographic indicators and data sources	
Population statistics. Population censuses as a source of information on	1
population statistics. Types of age and gender structure of the	
population. Population dynamics and its types	
Birth rate and fertility (fecundity)	1
Population mortality rate. Infant and perinatal mortality, their main	1
causes	
Life expectancy at birth and average life expectancy to come	2
Natural population growth, factors influencing it	2
Morbidity rate	2
Disability status	2
Healthcare system of the Kyrgyz Republic	
Organization of medical and preventive care for the population of the	1
Republic	
Primary health care	2
Organization of inpatient care	2
Alternative types of inpatient care	2
Emergency medical care	2
Organization of the sanitary and epidemiological service	2
Organization of health resort assistance	2
Training of medical personnel	2
Prevention and health promotion	
Public health. WHO Global Health Policy for All in the 21st Century»	1
Healthy lifestyle. Social mobilization, social marketing for health	2
promotion	
Conducting educational programs for patients	2
Protecting and promoting the health of children and young people	2
Protecting and promoting women's health	2
Protecting and promoting the health of older people	2
The role of the Health Promotion Service in shaping the healthy	2
lifestyle of the population	
Chronic and disabling diseases, accidents	
International data, international strategies for the prevention of	2

1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	T
cardiovascular diseases, diabetes, cancer, musculoskeletal diseases,	
respiratory diseases, allergies, mental illnesses, drug addiction,	
accidents	
International health care	
World Health Organization: WHO strategies, PAL, DOTS	1
The main causes of morbidity and mortality in children and adults in	1
different parts of the world	
Health insurance	
Legal framework for health insurance	1
Types and principles of health insurance	1
Organization of health insurance: subjects (direct, indirect), their rights	2
and obligations, interaction on the basis of contractual relations	
4.19. FORENSIC MEDICINE	
	Level
Forensic thanatology. Dying and dying. Cadaveric changes.	I
Procedural and methodological bases for examining the scene of an	I
accident.	
Forensic injuries. Damage description algorithm. Methods of proving	I
torture.	
Forensic medical examination of various types of gunshot injuries.	I
Forensic medical examination of auto injuries and falls from heights.	I
Mechanical asphyxia. Damage caused by high and low temperatures	I
and other physical factors. Positional asphyxia. Forensic medical	
examination of stun gun injuries.	
Forensic medical examination of the degree of harm to health.	I
Principles and criteria for determining the degree of harm to health.	
Forensic medical examination of offenses committed by medical	I
workers in their professional activities.	
Forensic medical examination of nonviolent death (sudden death).	I
Forensic medical examination of the corpse of newborns.	Ι
Forensic medical examination of fatal and non-fatal poisonings.	I
Examination of personal identification.	I
Forensic medical examination of physical evidence.	I
Forensic medical examination of the maxillofacial region.	I
Forensic age determination.	I
Forensic medical examination of sexual conditions and sexual crimes.	I
4.20. MEDICAL REHABILITATION The arratical formulations	1
Theoretical foundations	level
Fundamentals of physical treatment methods used in the rehabilitation	n of sick
adults and children	1 1
Basic terms and concepts in medical rehabilitation: general physical	1
therapy, medical supervision, sports medicine, physical therapy, spa	

treatment	
General physical therapy	
Physiotherapy as a medical specialty and the science of using natural and preformed physical factors in the treatment and rehabilitation of sick adults and children	1
spa therapy. Clime therapy. Medical characteristics of the climate of the main natural zones. Aero therapy, heliotherapy. Thalassotherapy. Alpine clime therapy. Resorts of Kyrgyzstan, indications and contraindications to the appointment.	1
Medical supervision and physical therapy in rehabilitation of sick adult	ts and
children	I
Medical control in physical culture and sports classes, basic concepts, forms, goals, tasks, anthropometry, functional tests, medical report, medical groups	1
Medical and pedagogical observations, goals, tasks, forms. Medical support for training camps and competitions.	1
Fundamentals of physical therapy, general characteristics of the method of physical therapy, clinical and functional justification of the therapeutic use of physical exercises.	1
Means, forms and methods of therapeutic physical culture as the basis of medical rehabilitation	1
Rehabilitation of patients with diseases of the cardiovascular system on an outpatient basis	2
Rehabilitation of patients with respiratory diseases on an outpatient basis	2
Rehabilitation of patients with diseases of the digestive system on an outpatient basis	2
Rehabilitation of patients with diseases and injuries of the central and peripheral nervous system on an outpatient basis	2
Rehabilitation of patients with injuries of the musculoskeletal system on an outpatient basis	2
Physical therapy in obstetrics and gynecology on an outpatient basis	2
Rehabilitation of patients after surgical operations. Indications and contraindications	2

MEDICAL ECOLOGY	
Medical ecology, its goals and objectives.	1
Habitat as a cause of human diseases.	1
Human ecology.	1
Pathogen etic mechanisms of action of biological factors on the human body.	1
Pathogen etic mechanisms of action of chemical and biological factors on the human body	1

Pathogen etic mechanisms of action of physical factors on the body.	1
Xenobiotic detoxification.	1
Environment and heredity.	1
Ecological and medical characteristics of the atmosphere.	1
Ecological and medical characteristics of the hydrosphere.	1
Ecological and medical characteristics of the lithosphere.	1
Ecological and medical characteristics of nutrition.	1
Environmental monitoring.	1
Assessment of the risk of exposure to environmental factors on human health.	1

OCCUPATIONAL DISEASES	Level	A	В	С	D
Occupational diseases of the lungs.	2	A			D
Professional intoxication.	2	A			D
Occupational diseases caused by physical factors.	2	A			D
Occupational diseases of the musculoskeletal system.	2	A			D
Principles of prevention of occupational diseases.	2	A			D
Issues of examination of working capacity in occupational	2	A			D
diseases.					

<u>MICROBIOLOGY</u>	
THEORETICAL FOUNDATIONS	LEVEL
General part	
Morphology and biology of bacterial cells	
Morphology, classification, and periods of viruses	
Morphology of fungi. Antibiotics, sources and methods of preparation	
Microflora of air, water, and soil	
Microflora of the human body	
The concept of infection and the infectious process. Basic protection mechanisms.	
Immunity, types and forms of immunity, non-specific factors of body protection	
Specific forms of immune response	
Antigens their properties, antibody characteristics, structure and functions	
Regulation of the immune response. Diagnostic reactions and methods	

Immune biological preparations	
Allergies. Hypersensitivity I, II, III.IV types	
The concept of clinical immunology. Immunology. Immunological insufficiency. Autoimmune diseases. Transplantation.	
Human immunological examination. Tests and staging methods	
Morphology, cultural virulent, antigenic properties and epidemiological features of	
pathogens of purulent inflammatory processes.	
Morphology, cultural virulence, antigenic properties and epidemiological features of pathogens:	
- purulent inflammatory processes (streptococci and staphylococci)	
- meningococcal and gonococcal infections, non-gonorrheal urethritis	
- diphtheria, pertussis, par coccus	
- tuberculosis, leprosy	
- intestinal infections. E. coli	
- typhoid fever, paratyphoid Ai B	
- salmonellosis	
- cholera	
- gas gangrene, tetanus, botulism	
- plague and tularemia, anthrax, brucellosis	
- syphilis and recurrent typhoid, leptospirosis	
- typhus and Ku-fever	
- mycoses and candidiasis	
- influenza virus, acute respiratory infections	
- enteroviruses, pathogens of poliomyelitis	
- viral hepatitis A, B, C, E, D	
- HIV	
- arboviruses, oncogenic viruses	
- measles and rubella viruses	
- Rabies virus Sanitary microbiology	
Sanitary microbiology its goals and objectives	
Samuely microstology to good und objectives	

Pathogenic microflora of air, water, soil, and food products. Sanitary and	
epidemiological significance	
Microbial contamination of equipment and objects in health care facilities and children's institutions, in food processing units, at food industry enterprises and methods of its control.	
Microbiological diagnostics of microbial food poisoning	

BIOETHICS	
THEORETICAL FOUNDATIONS	LEVEL
History of biomedical ethics	
Theoretical foundations of biomedical ethics	
Basic rules and principles of bioethics	
Ethical documents of professional medical associations	
Rights and moral obligations of a doctor	
Patient rights	
Moral rights of extraprofessional relationships	
Ethical principles of conducting an animal experiment	
The essence of moral problems of human organ and tissue transplantation	
The essence of ethical issues related to infectious diseases and AIDS	
Features of moral and ethical relations in psychiatry	
Moral foundations of entrepreneurial activity	

CHAPTER 5. MEDICAL SKILLS AND MANIPULATIONS

Competencies	Level
5.1. Questioning the patient. Collecting anamnesis	
Collection of basic and additional complaints, assessment of the patient's perception of his / her problems	2
Assessment of the patient's socio-economic status and cultural characteristics	1
Purposeful collection of medical history of the disease (asking about the history of this disease): the beginning of the disease, the time of occurrence and dynamics of symptoms; ability to build a history of the disease in chronological order from the first symptoms to the moment of contacting a doctor; the reason for contacting a doctor	2
Collecting a life history (general information about the patient's life)	2
Collecting an allergic medical history	2
Collecting a third-person medical history	2
Understanding and responding to nonverbal signs	1
Collecting a psychiatric history	1

Communication and collection of medical history from a seriously ill	1
or dying patient	
Communication and history collection in a speech-deficient patient	1
Collecting a professional medical history	1
Identification of harmful risk factors associated with the patient's	2
behavior (smoking, low-activity lifestyle, dietary errors, hygiene	_
habits, etc.)	
Collecting a drug history	1
5.2. Physical examination	
Assessment of the general condition of the patient (appearance,	2
position, nutrition, consciousness, mental state)	
Assessment of vital functions of the body (body temperature,	2
respiratory rate and type, pulse rate, arterial and venous pressure)	
Assessment of patients with emergency conditions and injuries	2
Documentation of anthropometric data (height, weight, BMI, head	2
circumference, waist, hip)	
Examination of the skin and mucous membranes (signs of anemia,	2
cyanosis, jaundice, edema, dehydration)	
Examination (forensic examination) of a patient under the influence	2
of alcohol or a psychotic substance	
Clinical diagnosis of death	2
Assessment of the time of death (cadaveric spots, rigor mortis, rectal	2
temperature)	
Examination of the lymph nodes	2
Detailed description of the skin lesion	2
Description of nails, scalp, and visible mucous membranes	2
Definition of demography	2
Description of eye lids and eyelashes	2
Description of the upper eyelid with an eversion of the eyelid	1
Description of the width of the eye slit	1
Description of the conjunctiva, including the arch	1
Description of the sclera and cornea during the fluorescein test	1
Determining the sensitivity of the cornea to touch	1
Description of the pupil, light response, and convergence	1
Description of the iris	1
Definition and description of nystagmus	1
Description of eye position and movement (corneal reflex)	1
Examination and palpation of the auricle and surrounding area	2
(mastoid area)	
Examination and palpation of the nose and face	2
Nasal obstruction assessment and anterior rhinos copy	2
Examination of the lips, oral region, oropharynx, as well as teeth,	1

tongue, tongue root, pharyngeal arches, tonsils, examination of the excretory ducts of the parotid glands and submandibular glands Palpation of the bottom of the mouth, cheeks, tonsils and tongue root 2 Examination and palpation of the parotid and submandibular glands 1 Voice and speech assessment, detection of aphasia 2 External examination and palpation of the larynx 2 Examination, palpation and auscultation of the neck, thyroid, carotid arteries and lymph nodes Palpation of the head and cervical spine, examination of pain under pressure and / or percussion 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 Placatory detection of voice tremor 1 Percussion of the lungs, determination of excursion of the lower edge of the lungs 2 Definition of the apical push (heart) 2 Defining the boundaries of cardiac dullness 2 Auscultation of the heart 2 Determination and palpation of mammary glands, including regional lymph nodes 2 Abdominal examination 2 Abdominal examination 2 Abdominal percussion (determining the size of the liver, spleen) 2 Palpation of the abdomen (abdominal wall, intestines, liver, spleen, abdominal percussion (determining the size of the liver, spleen, abdominal aorta, kidneys, pancreas) 2 Determination of pain in the kidney area 2 Examination of pain in the kidney area 2 Examination of inguinal hernia by examination and palpation of the hernia gate 2 Examination in men (anal opening, rectum, prostate gland, sacral spine) 1 Examination and palpation of the penis and scrotum (testicles, testicular appendages, spermatic cord) 1 Examination and palpation of female external genitalia (vulva, perineum) 1 Examination of the spine, spinal mobility, paravertebral muscles in 1		
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Examination and palpation of female external genitalia (vulva, perineum)		1
perineum)		
		1
Examination of the spine, spinal mobility, paravertebral muscles in 1		4
	Examination of the spine, spinal mobility, paravertebral muscles in	1

standing and lying on the back (kyphosis, scoliosis, Schobert test)	
Palpation, percussion, determination of spine soreness	1
Examination of the ileocecal joints and pelvis (determination of	1
mobility, soreness, atrophy)	
Examination of the shape, function, mobility and soreness of the	1
upper extremities (wrist and elbow joints, finger joints, etc.)	
Study of the shape, function, mobility and soreness of the lower	1
extremities (ankle and knee joints, position, function, patella relief)	
Examination of the lower limb axis (hallux valgus and Varus	2
deformity of the knee joints)	
Study of the foot axis (hallux valgus and Varus deformity of the feet)	2
Capillary pulse examination	2
Determination of arterial insufficiency, Mashkovich's method	1
Study of varicose veins	2
Assessment of neuropsychiatric development of children	2
Determination of tendon reflexes (triceps, biceps, knee, elbow) and	2
plantar reflex	
Study of cranial nerve function	1
Study of passive muscle movements, examination of muscle mass,	2
study of muscle tone, muscle strength, involuntary movements,	
determination of contracture, atrophy	
Definition of complex reflexes: abdominal, anal, mandibular,	2
proboscis, prehensile	
Gait examination (normal gait, on toes, with a limp to one side)	2
Coordination study (finger to nose, heel to shin, heel to nose, dido	2
chunkiness)	
The Romberg, Unterberg Test	2
Study of tactile and pain sensitivity	2
Determination of meningeal symptoms	2
Investigation of radicular cervical and lumbar symptoms	1
Assessment of the degree of impaired consciousness	2
Study of orientation in space and time	2
Memory Research	1
5.3. General skills	
Examination of a pregnant woman's abdomen	2
All types of injections, including intravenous drip fluids	2
Interpretation of the results of intradermal diagnostic (Monteux test)	2
and allegro logical tests	
Determination of blood suitability for transfusion, blood transfusion	2
(direct transfusion of donor blood, single and repeated replacement	
blood transfusion), administration of sera	
Determination of blood type and Rh- determination by express	2

method, determination of individual and biological compatibility of	
blood Drin and interpretation of madiaines and blood substitutes	2
Drip and jet transfusion of medicines and blood substitutes	2
Conducting and decoding an ECG	2
Interpretation of radiographic examination results	2
Performing and interpreting peak flowmeter	2
Interpretation of spirometry results	2
Interpretation of a blood test for hemoglobin, leukocytosis, ESR (general blood test)	2
Technique of urine collection for laboratory tests in children of all age groups and adults (measurement of diuresis, general urinalysis,	2
Nechiporenko, Addis-Kakovsky, Zimnitsky tests)	
Taking feces for coprological and bacterial examination in children	2
Obtaining smears, material for cytological and bacteriological	2
examination (from the pharynx, nose, urethra, vagina, umbilical wound)	_
Gastric and intestinal lavage	2
Feeding heavy and premature babies through a probe	1
Therapeutic and hygienic baths	2
Treatment of the oral mucosa in children	2
Temperature measurement in children	2
Anthropometric measurements in children	2
Counting of pulse and respiration in children	2
Cardiovascular tests (Shalkov test), measurement of blood pressure	2
in children	
Massage and gymnastics for newborns and infants	2
Evaluation of stool in infants	2
Cleansing, siphon and therapeutic enemas for children	2
Instilling medication in the eyes, nose, and ears of children and adults	2
Taking a pharyngeal swab	2
Applying a blindfold	1
Applying eye ointment	2
Ear washing	1
Applying proper hand washing techniques in the workplace	2
Preoperative preparation of the surgical field for minor surgical	2
interventions, asepsis and antiseptics	
Preparing for surgery (washing your hands before surgery, putting on	2
a sterile operating uniform, putting on sterile gloves)	
Removal of surgical sutures	2
Venipuncture	2
Use and explain to the patient the technique of using a metered-dose	2

inhibitor, spacer and nebulizer	
5.4. Manipulations for emergency care	
Clamping of the umbilical cord/separation of the placenta from the	2
baby	
Evaluation of fetal heartbeat during pregnancy	2
Cardiopulmonary resuscitation (basic algorithm of cardiac	2
resuscitation, on a dummy)	
Research and first aid for external injuries (wounds, bleeding, burns,	2
sprains, dislocations, fractures)	
Transporting a patient with an injury	2
Stopping bleeding (compression, applying a tight bandage, applying	2
a tourniquet)	
Artificial respiration "mouth to mouth", " mouth to nose»	2
Methods of cleaning the upper respiratory tract, aspiration of mucus	2
from the upper respiratory tract	
Indirect heart massage	2
Defibrillation	2
Trachea-or conic tummy, tracheostomy	1
Use of the children's oxygen tent	2
5.5. Surgical procedures	
Implementation of infiltrative local anesthesia, conduction, regional	1
vagosympathetic blockades	
Primary surgical treatment of wounds, removal of sutures	2
Suturing the skin	2
Treatment of burn surfaces and infected wounds	2
Bandages, applying soft bandages, splints	2
Reduction of dislocations	1
Transport and therapeutic immobilization for fractures of the bones	2
of the extremities, spine	
Removal of superficially located foreign bodies	1
Opening of abscesses, panaritium, phlegm on	2
5.6. Otolaryngological manipulations	
Stopping nosebleeds: anterior nasal tamponade	2
posterior nasal tamponade	1
Probing and washing of tonsil lacunae	1
Autopsy of a par tonsillar abscess	1
Introduction of drugs into the larynx and bronchi with a laryngeal	1
syringe and through a nasal catheter	
Research of hearing by whispering speech, colloquial speech, tuning	2
fork	
5.7. Ophthalmic manipulations	

Determination of visual acuity and definition of visual field	2
boundaries	
Optical vision correction with trial eyeglass lenses	1
Description of the lens, anterior chamber, and ocular media	1
(translucency)	
Assessment of intraocular pressure by palpation	1
Visual acuity assessment and definition of visual field boundaries	2
Color vision assessment using tables	1
5.8. Skills and manipulations used in obstetrics and pediatrics	
Pregnancy diagnosis	2
Taking swabs for flora from the vagina, cervical canal and urethra	2
External obstetric examination, evaluation of fetal heartbeat	2
Management of physiological labor	1
Assessment of the placenta status	2
Assessment of the newborn's condition	2
Conducting the primary toilet of a newborn	2
Treatment of the umbilical cord and umbilical wound	2
Assessment of newborn reflexes assessment of psychomotor and	2
physical development of the child	
Getting vaccinated	2