

MINISTRY OF HEALTH OF THE REPUBLIC OF BELARUS  
EDUCATIONAL INSTITUTION  
BELARUSIAN STATE MEDICAL UNIVERSITY

Контрольный  
экземпляр

APPROVED

by First Vice-Rector, Professor

S.V. Gubkin

Reg. # UD-7.583/1718 /edu.

**PUBLIC HEALTH AND HEALTH CARE**

**Curriculum of higher educational institution  
in the educational discipline for the specialty:**

**1-79 01 01« General Medicine»**

Minsk BSMU 2017

Curriculum is based on the standard educational program «Public Health and Health Care», approved 30.11.2016, registration # UD-L.583/typ.

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**RECOMMENDED FOR APPROVAL:**

by the Department Public Health and Health Care of the Educational Institution «Belarusian State Medical University»  
(protocol # 6 of 21.01.2017);

by the Methodological Commission of Humanities of the Educational Institution «Belarusian State Medical University»  
(protocol #11 of 10.04.2017)

## EXPLANATORY NOTE

**Public health and health care** is the academic discipline, containing the theoretical foundations and organizational principles of health care in connection with historical experience and current state of health care system, the laws of public health and the factors that determine them.

The purpose of teaching and learning the discipline «Public health and health care» is the formation of students' knowledge about health, the factors determining it, and the development of skills in medical care organization.

The tasks of the discipline are to develop the students' academic competence, the foundation of which is the ability to self-search information resources, the knowledge and understanding of:

- the principles of state policy in the field of public health;
- the basics of management, planning, economics and finance in health care;
- the basics of medical statistics;
- health indicators;
- the principles of the organization of medical care.

The goal of the discipline is acquiring social, personal and professional competence, the foundation of which is the knowledge and application of:

- research and evaluation of health status;
- principles of medical care organization;
- methods for the analysis of information in order to develop management solutions to improve the quality and efficiency of health care organizations;
- methods of providing sanitary-epidemiological welfare of the population;
- management, planning, economics and health financing.

Successful study of the discipline «Public health and health care» is carried out on the basis of students' acquired knowledge and skills in the following disciplines:

**General hygiene and military hygiene.** Health factors that determine it. Lifestyle and its components. Characteristics of physical development of population, methods of its estimation. The human and the Biosphere. Problems of anthropogenic pollution and its impact on public health. Environmental protection.

**Radiation and Environmental Medicine.** Ecological situation in Belarus. Relationship between ecological environment and morbidity of the population.

**History of medicine.** Forms of organization of medical care at different stages of development. Formation and development of medical statistics. Origin of scientific demographic statistics.

**Internal Medicine.** Organization of hospital medical care. Interaction between the hospital and outpatient organization.

**Outpatient therapy.** The structure and content of a polyclinic. Organization of work of a district therapist. Medical examination. Clinical examination of the population (dispensary examination). Preventive work (prophylaxis) of a district

therapist. Providing patients with specialized outpatient care . Promoting healthy lifestyles. New organizational forms of polyclinic work.

**Surgical diseases.** Organization of in-patient surgical and trauma care  
Provision of specialized medical care to the population living in rural areas.

**Obstetrics and Gynecology.** Organization of antenatal and maternity hospitals, common interventions to reduce perinatal and maternal mortality, gynecological morbidity, and the number of abortions. Features of health care for women living in rural areas. The levels of perinatal care.

**Requirements for the students' professional training at the end of the study of the subject**

The student **should know:**

- principles of state policy of the Republic of Belarus in the field of public health;
- legislation of the Republic of Belarus in the field of healthcare;
- activities of the World Health Organization (WHO) and other international organizations in public health and international cooperation in the field of healthcare;
- organizational principles of the national healthcare system;
- the main provisions of the National security Concept of the Republic of Belarus, programs of prevention;
- the features of existing health systems in Europe and the world;
- basics of management system of health care;
- indicators of public health, special aspects in the Republic of Belarus and main inputs;
- tasks, special aspects of the structure and activities of health care organizations, analysis of activities of health care organizations;
- statistical method for the study of public health and organization of health care;
- basis medical examination in a healthcare organization;
- basic principles, forms, methods and training techniques of hygienic training and education of the population;
- the basics of planning, financing, features of the economic analysis of activity in health care organizations;
- structure and basic functions of the service of the state sanitary supervision in the Republic of Belarus;
- basis of planning economic and financial activities in medical care institutions, activities in health care pricing, forms of business activity.

The student **is to should be able to:**

- use statistical method of research in practical and scientific activities;
- calculate (using computer technology) the relative and mean value, reliability of sample statistics;
- to assess the impact of risk factors on the development of the pathological process, the occurrence of relapses, complications based on the principles of evidentiary medicine;

- to fill out basic registration forms, medical documentation of health care organizations;
- calculate and analyze (using computer technology) health indicators;
- calculate and analyze activity of health care organizations;
- to plan activities of health care organizations under the state minimum social standards, indicators of the healthcare administrative areas;
- assess the cost-effectiveness of medical and preventive activities.

The student **should to possess:**

- skills of statistical analysis;
- the basic techniques of scientific data processing;
- assessment methods in public health;
- methods of evaluation of healthcare organizations;
- methods of managerial decision-making processes;
- complex preventive measures development skills;
- methods of effectiveness evaluation in health care.

The structure of the curriculum «Public health and health care» includes six sections.

**Total number** of hours for the study of the discipline is 162 academic hours. Classroom hours according to the types of studies: lectures - 20 hours, practical classes - 60 hours, student independent work (self-study) - 82 hours.

Current assessment is carried out according to the syllabus of the specialty in the form of an examination (9 semester).

Form of higher education – full-time.

#### BUDGET ALLOCATION OF STUDY TIME PER SEMESTER

Code number, speciality name	Semester	Number of academic hours					Form of control
		totally	classroom training sessions	including		Self-training	
				lectures	practical trainings		
<b>1-79 01 01 «General medicine»</b>	8	<b>76</b>	47	12	35	<b>29</b>	
	9	<b>86</b>	33	8	25	<b>53</b>	examination
	<b>Total</b>	<b>162</b>	80	20	60	<b>82</b>	

## THEMATIC PLAN

Topic	HOURS	
	lectures	practical classes
<b>1. Theoretical basis of the discipline «Public Health and Health Care»</b>	<b>4</b>	<b>6</b>
1.1. Public Health and Health Care as a science, an academic discipline, a field of practical activity	2	2
1.2. Public health. Health care systems. International cooperation in the field of healthcare	2	2
1.3. Medical ethics	-	2
<b>2. Medical statistics</b>	<b>2</b>	<b>4</b>
<b>3. Public health and methods of its study</b>	<b>4</b>	<b>8</b>
3.1. Medical demography	2	2
3.2. The method of calculation and analysis of demographic indicators	-	2
3.3. Morbidity and disability of the population	2	2
3.4. The methods for the study of diseases	-	2
<b>4. Public health</b>	<b>4</b>	<b>40</b>
4.1. Basics of medical care organization	-	5
4.2. Primary health care	2	6
4.3. Specialized medical care	2	4
4.4. The organization of out-patient medical care for adult population	-	6
4.5. The organization of hospital medical care	-	4
4.6. The organization of emergency medical care	-	2
4.7. The organization of medical care for women and children	-	6
4.8. The organization of activity of organizations and officials exercising state sanitary inspection in the Republic of Belarus	-	3
4.9. The organization of medical care to the rural population	-	4
<b>5. Modern problems of prophylaxis</b>	<b>2</b>	<b>-</b>
<b>6. Basics of management, planning, health economics and financing</b>	<b>4</b>	<b>2</b>
6.1. Health management. Health care planning	2	-
6.2. Analysis of health care organizations based on the model of final results	-	2
6.3. The economy and health care financing	2	-
<b>Total hours</b>	<b>20</b>	<b>60</b>

## **CONTENT OF EDUCATIONAL MATERIAL**

### **1. Theoretical basis of the discipline «Public Health and Health Care»**

#### **1.1. Public health and Health Care as a science, an academic discipline, a field of practical activity**

Public Health and Health Care as the science of public health laws and regularities. The impact of social conditions, environmental factors, and healthy lifestyle. Objectives of the discipline. The study object of the discipline «Public Health and Health Care».

The discipline «Public Health and Health Care» among medical, hygienic, biological and social sciences. The role of the discipline «Public Health and Health Care» in medical education, medical practice of a specialist, in governmental and healthcare organizations.

Basic research methods: historical, statistical, sociological, the method of expert estimations, economical and mathematical, experimental, and modeling methods.

#### **1.2. Public health. Health care system. International cooperation in the field of healthcare**

Public health. Healthcare systems, its characteristics, principles of organization.

Organizational principles of the public health system of the Republic of Belarus. Ensuring the rights of citizens in the Republic of Belarus for permissible health care. Modern state of health care system, the main achievements, challenges.

International cooperation in the field of healthcare. International medical organizations, associations, societies.

The World Health Organization (WHO), its structure, the main activities. Role of WHO in addressing international health. Participation of the Republic of Belarus in the work of WHO.

#### **1.3. Medical ethics**

General ethical values in health care. The subject and structure of medical ethics. The main theoretical and applied issues of medical ethics. The doctor and society. The doctor and the patient. International principles of medical ethics. The international code of medical ethics. The Hippocratic Oath: the basic ideas and the reasons for the discrepancy with modern medicine. Professional codes, charters, declarations of medical professionals and their influence on professional ethics of the medical worker. The oath of medical doctor in the Republic of Belarus.

### **2. Medical statistics**

Statistics definition, its content, task.

Medical statistics, its content, task. Statistical method, structure. The structure of the statistical method. Types of research, characteristics.

The basics of Evidence-based medicine, principles. Systematic literature reviews and meta-analysis. Special Features of Randomized Controlled Trials.

The ways of showing results in scientific reports.

Types of values in medicine. Characteristics. Data visualization. Statistical tables. Graphs.

Methods of analysis of the dynamics of the phenomenon. Time series definition, the types. Smoothing time series (emissions removal in the time series). Indicators of time series. The main stages of the time series analysis. The time series analysis by application statistical programs.

The definition of the term «risk», «odds». Cohort study: advantages and disadvantages. Incidence. Relative risk. Attributable risk. Etiologic fraction. Attributable fraction. Population Attributable risk. Case-control study. The odds of an event. Odds ratio.

### **3. Public health and methods of its study**

#### **3.1. Medical demography**

Definition of medical demography, its main sections. Meaning of demographic data to characterize public health analysis and planning for authorities and health care organizations.

Demographic security, demographic threat, demographic policy definition. Legal documents, regulatory framework of Demographic Security of Belarus. Law «On the Demographic Security of Belarus»: legal and organizational bases of demographic security. State program «Population health and demographic security of the Republic of Belarus» for 2016-2020 yy.: objectives, goals, characteristics, the expected results.

Powers of public authorities in the field of demographic security.

Demographic policy concept, the basic directions in different countries. Current state and the main trends of demographic processes in the Republic of Belarus and foreign countries, the factors determining them.

Statics of the population. Census as a source of information about the static, history, methodology, results. Characteristic changes in population, age-sex composition in recent decades. Types of age-sex structure of the population. Population aging as a modern demographic trend in developed countries, significance for social and health issues.

Population dynamics, its kinds. Types of migration by direction of traffic flow, reason, time. Determinants, the basic tendencies. The impact of migration on the health of the population, on managing health care organizations. Problems of urbanization.

Birth rate, fertility rate. Effect of medical and social factors on their level: conditions and lifestyle, age and sex structure of the population, the state of health, education and culture, the organization of health care, legislation on marriage and the family, etc.

Mortality, general and age-specific. Levels and trends. Infant and perinatal mortality, the underlying causes. Maternal mortality, leading causes. Factors affecting the level and dynamics of mortality.

Using demographic indicators in the work of a specialist, their importance for assessing health care organizations.

#### **3.2. The method of calculation and analysis of demographic indicators**



Statics of population size, density, age and sex, etc. Methods of calculation. Types of age-sex structure of the population.

Birth rate, general and specific indicators. Method of calculation, criteria of estimating birth rates. Reproduction of the population, indicators of reproduction, calculations to determine the type of reproduction.

Mortality, total and age-specific. Methods of calculation. Infant, neonatal and perinatal mortality, methods of calculation, criteria of estimating mortality rates. Maternal mortality. calculating. Level and causes of maternal mortality in the Republic of Belarus.

Natural population growth. Calculation methodology. Characteristics.

Life expectancy at birth. Method of calculation. Factors influencing the life expectancy at birth. The impact of individual causes of death on life expectancy of the population.

Analysis of the demographic situation in the region. Evaluation criteria.

The role of health professionals in the registration of birth and death. Medical records.

### **3.3. Morbidity and disability of the population**

Morbidity definition. The role of public statistics in the study of population health status. Morbidity indicators.

International Statistical Classification of Diseases and Related Health problems (Tenth Revision), the principles and design features.

Current state, trends and features of morbidity (regional, age and sex, profession structure, etc.), the determining factors. Features of morbidity in population affected by the Chernobyl disaster.

The most important non-communicable diseases as medical-social problem. Subprograms of State program «Population health and demographic security of the Republic of Belarus» for 2016-2020 yy.

Disability in population. Definition: disabled, disability, impairment, handicap. Disability indicators.

Disability is a medical-social problem.

### **3.4. The methods for the study of diseases**

Methods of studying the incidence of disease and their comparative characteristics.

Study of morbidity according to the data of population application for medical help. Primary and general morbidity (incidence and prevalence): method for studying, recording and reporting documents, algorithms for computing indicators. Current levels and structure of primary and general morbidity.

Study of morbidity according to the special document (acute infections, the major non-epidemic diseases, the hospitalized morbidity). Recording and reporting documents. Indicators. Current levels. Prevention.

Study of morbidity with temporary disability. The observation unit. The concept of the primary treatment. Recording and reporting documents. Calculation and evaluation of indicators. Levels and structure of morbidity. The main ways to reduce the indicators.

Study of morbidity according to medical examination data. Methodology of the study. Types of preventive medical examinations (preliminary, periodic and target medical examinations), recording documents. The concept of «pathological affection». Technique of calculating indicators (pathological affection, point prevalence).

Morbidity according to the reasons of death: a method of study, recording documents, algorithms for computing. Medical registration of reasons of death.

International Statistical Classification of Diseases and Related Health problems (Tenth Revision). Special aspects of codes for pathological conditions.

## **4. Public health**

### **4.1. Basics of medical care organization**

The right of citizens of the Republic of Belarus to health protection. The availability of medical care to the population. Ensuring the rights of citizens of the Republic of Belarus on affordable health care.

Medical care, the definition. Organization of medical care. Types of health care. Types of medical care. Forms of medical care. Conditions for providing medical assistance to the population.

The value of health indicators for health. Indicators of health care with resource provision.

### **4.2. Primary health care**

Primary health care - the first stage of a continuous process of public health; principles, functions, structure. General practitioner: functions, organization of work, interaction with specialists.

Medical care on an outpatient basis. Medical ambulatory, city outpatient clinic: structure, objectives, activities.

### **4.3. Specialized medical care**

Providing specialized medical care. Specialized clinics.

Hospitals. Classification of hospital organizations. Regional hospitals, especially the organization of medical. Indicators of public health care in a hospital. Main directions of improving medical care in a hospital.

Clinics, especially the organization of medical care. Diagnostic centers, tasks, organization of work. Specialized health care centers, tasks, structure, procedure for sending and receiving patients. Main directions of specialized medical care.

Hospitals in the system of research centers: the structure, especially the work.

### **4.4. The organization of out-patient medical care for adult population**

City polyclinic, role in the organization of medical care and the study of its health. The organizational structure of city polyclinic, offices' functions. Organization of receiving patients referred for therapeutic, diagnostic, prophylactic purposes.

Precinct-territorial principle of outpatient services, its meaning and implementation in modern conditions. Types of medical precinct. Treatment and diagnostic out-patient activities. Contents of work of district physicians and

medical specialists. Relationship and continuity with other health care organizations (hospitals, dispensaries, etc.).

The role of city polyclinic in developing healthy lifestyles. Branch prevention polyclinic and its tasks. Methods and means of hygiene education and training programs in the city polyclinic.

Sanitary and anti-epidemic activities in city polyclinic. infectious disease unit in a city polyclinic (structure, function, and organization of work).

Clinical examination of the population. Definition of the problem. Stages. Organization and content of medical examination in outpatient organizations. Group clinical supervision of the adult population. Recording and reporting documents. Indicators for assessing the volume, quality and efficiency of clinical examination.

Recording and reporting documents of the city polyclinic. Analysis of the activities of city polyclinic: response staffing (staffing indicators, the coefficients of combining medical and paramedical staff), workload indicators of medical specialists, preventive work with patients, clinical examination.

Contact the Center for Hygiene, Epidemiology and Public Health.

Children's polyclinic, its role in the organization of medical assistance for children and study their health. Organizational structure of children's polyclinics, function offices, the organization of patients for therapeutic, diagnostic, prophylactic purposes.

#### **4.5. The organization of hospital medical care**

Special aspects of organization of medical care in stationary conditions

Nomenclature of hospital-type organizations.

Hospitals: tasks, organizational structure.

Admission Unit: structure, tasks, organization of work. Handling procedures, inspection and hospitalization. Documentation. Interventions for the prevention of nosocomial infections.

Specialized hospital treatment and prevention: tasks, organization of work. Accounting documents, the order of filing and storage. Characteristics of treatment-protective, anti-epidemic and sanitary regimes hospital.

Clinical diagnostic laboratory and other services of the hospital. Economic service hospital.

Annual report on the activities of the hospital.

Children's hospitals: tasks, organizational structure, features.

#### **4.6. The organization of emergency medical care**

Legal documents regulating the activities of emergency medical care (EMC).

Principles of organization service EMC. The phases of EMC: prehospital and hospital. Structure, management system and providing EMC service. Objectives and modes of EMC service. Urgent emergency calling of ambulance. Procedure for admission, registration and transfer calls to EMC crews. EMC crews and how they work. Analysis of EMC service activities. Emergency hospital, objectives, structure, organization activities.

Continuity and relationship in the service of EMC with health organizations outpatient and hospital types.

#### **4.7. The organization of medical care for women and children**

The WHO program in the field of health protection of women and children. The United Nations Convention on the Rights of the Child, legislation on health protection of women and children.

Leading medical-social problems of health of women and children. Organization of medical care for women and children, the principles, features of the work of healthcare organizations.

The definition of «reproductive health». The basic directions of work of health organizations on the protection of women's reproductive health.

The organization of genetic counseling. Prevention of hereditary diseases and malformations.

Perinatal care: definition, purpose, objectives, functions. Technological levels of perinatal care, features.

Types of organizations of obstetric care, working principles.

Structure, goals and organization of the women's clinic. Precinct-territorial principle and method of the dispensary women's clinic.

Organization of the maternity hospital. Structure of the maternity hospital, organization receiving the pregnancy, labor, postpartum women and patients with gynecological diseases. Medical care of newborns. Characteristics of treatment-protective, anti-epidemic and sanitary regimes.

Basic documentation of prenatal and maternity hospital. Analysis of the activities of women's clinic and maternity hospital according to the annual report, the main indicators.

Continuity in the work of women's clinic, maternity hospitals, children's polyclinics.

#### **4.8. The organization of activity of organizations and officials exercising state sanitary inspection in the Republic of Belarus**

Normative-legal documents regulating the activity of state sanitary inspection.

The state sanitary inspection, definitions, tasks. The management, organizations and officials exercising state sanitary inspection. Helpful and current sanitary inspection, objectives, activities.

Sanitary and epidemic welfare of the population, definition. General requirements on ensuring sanitary and epidemic safety of the population. The role and place of service of state sanitary supervision in the system of health protection of the population, the decision of tasks of prevention, ensuring sanitary and epidemic safety of the population.

Social-hygienic monitoring: definitions.

Center of hygiene, epidemiology and public health (CHEandPH): objectives, structure, states. The organization and content of work of the main structural units CHEandPH: organizational department; department of public health, hygiene, epidemiology; the AIDS prevention.

The state sanitary inspection. Areas of cooperation CHE and PH with controlled entities, organizations of health on ensuring sanitary and epidemic safety of the population on the administrative territory.

The basic directions of perfection for the institutions that provide state sanitary supervision.

#### **4.9. The organization of medical care to the rural population**

The organizational principles and features of medical assistance to the population residing in rural areas. Technological levels of medical care.

Rural medical districts: structure and functions. medical attendant-obstetric post: tasks, view of medical care. Rural out-patient clinic: types of medical care, tasks, staffs, organization of work, recording documentation. Out-patient clinic of general practice: the objectives, structure, staff. Rural district hospital: objectives, organization of work records.

Central district hospital (CDH): objectives, structure and functions. The role of CDH in organization of qualified medical aid to the population residing in rural areas. Organization of emergency medical care to the population living in rural areas. Mobile services: medical clinic, laboratory diagnostics, x-ray, dental, and other services. CDH as organizational and methodological centre for the management of health institutions of the district, forms and methods of work.

Interregional specialized centres: objectives, organization of work, field work forms. Dispensaries.

Regional health organization. Regional hospital. Regional consultative polyclinic. Role in providing medical assistance to the population living in rural areas. The interaction of the regional hospital with other health organizations.

The basic directions of perfection of medical aid to the population residing in rural areas.

### **5. Modern problems of prophylaxis**

Prophylaxis as one of the priorities of public health. Prophylaxis issues in the legislative documents.

Basic terms and their definitions: health, healthy lifestyle, risk, prophylaxis.

Indicators of population health. The determinants of population health.

Goal, objectives, levels of prevention, the types. Primary, secondary, tertiary prevention, measures for their implementation. Criteria for evaluating the effectiveness of prevention.

The concept of integrated prevention.

Preventive programs: structure, justification, approval, execution control, performance evaluation

Health education and training. Definition of terms. The documents regulating the activities of health education and training. Objectives, principles, classification of methods and means of health education and training.

Healthy lifestyle as a tool of implementation of prevention programs at the individual, group and population levels. Interaction of involved ministries and departments in healthy lifestyles.

The content of work of the doctor on forming healthy lifestyle among the population, patients and members of their families, public asset.

The sequence of actions of medical workers in the choice of methods and means of health education and training of the population depending on the specific medical-social and economic conditions.

## **6. Basics of management, planning, health economics and financing**

### **6.1. Health management. Health care planning**

Theoretical bases of scientific management. A modern interpretation of the basic concepts and process control. Functions of management: planning, organization, motivation and control. Socio-psychological aspects of management. The leadership styles of the manager and psychology in labor relations.

Target-oriented management.

Planning of Health service: definition, principles, tasks. Basic planning methods: analytical, comparative, carrying, regulatory, economic-mathematical and other

Target-oriented and functional-sectoral planning: goal, objectives, and principles.

The plan, the definition. Types of plans on time, territorial, sectoral and functional purpose, and their characteristics. The territorial programs of government guarantees for providing health services for citizens.

### **6.2. Analysis of health care organizations based on the model of final results**

The model of final results. Definition of terms. The purpose of the procedure for approval. Determination of the forecasted levels.

Group of indicators characterizing activities of health care organizations on the model of final results.

Methodology of calculations according to the model of final results, the analysis of the obtained data, formulating conclusions and recommendations.

### **6.3. The economy and health care financing**

The economy of health, the definition of concepts. Object and subject of study. Place health economics in the structure of economic sciences. The economy of health, objectives, methods. Economy and efficiency in health care.

The structure of economical damage. Kinds of economic benefits.

Health financing, the definition of concepts. The sources of health financing. The economic model of health, especially the financing of public, private and insurance medicine.

The health budget, and its component parts. The sources of formation of the health budget. Planning of health expenditures. The loans. The Manager of credits and their rights.

## EDUCATIONAL DISCIPLINE CURRICULUM CHART «PUBLIC HEALTH AND HEALTH CARE»

Section, topic	Section (topic) name	Hours of training			Self-training	Equipment	Forms of control
		lectures	practical classes				
<b>8 semester</b>							
<b>1.</b>	<b>Theoretical basis of the discipline «Public Health and Health Care»</b>	<b>4</b>	<b>6</b>	<b>5</b>			
1.1	Public Health and Health Care as a science, an academic discipline, a field of practical activity	2	2	1	Computer	Interviews, E-tests	
1.2	Public health. Health care systems. International cooperation in the field of healthcare	2	2	2	Computer	Interviews, evaluation based on business-game, E-tests	
1.3	Medical ethics	-	2	2	Computer	Reports on classes, evaluation based on business-game	
<b>2</b>	<b>Medical statistics</b>	<b>2</b>	<b>4</b>	<b>4</b>	Computer	Interviews, E-tests	
<b>3</b>	<b>Public health and methods of its study</b>	<b>4</b>	<b>8</b>	<b>6</b>			
3.1	Medical demography	2	2	1	Computer	Abstracts	
3.2	The method of calculation and analysis of demographic indicators	-	2	2	Computer	Reports on classes; reports on conferences, control tasks, tests	
3.3	Morbidity and disability of the population	2	2	1	Computer	Interviews	
3.4	The methods for the study of diseases	-	2	2	Computer	Reports on classes; reports on conferences, control tasks, tests	
<b>4</b>	<b>Public health</b>	<b>2</b>	<b>17</b>	<b>14</b>	Computer		
4.1	Basics of medical care organization	-	5	4	Computer	Abstracts, E-test	

4.2	Primary health care	2	6	4	Computer	Abstracts, E-test
4.3	Specialized medical care	-	4	4	Computer	Abstracts, E-test
4.6	The organization of emergency medical care	-	2	2	Computer	Final works; abstracts; evaluation based on module-rating system
<b>9 semester</b>						
4	<b>Public health</b>	2	23	51		
4.3	Specialized medical care	2	-	2	Computer	Interviews
4.4	The organization of out-patient medical care for adult population	-	6	10	Computer	Reports on classroom practical exercises with their oral defense, E-test
4.5	The organization of hospital medical care	-	4	8	Computer	Reports on classes, E-test
4.7	The organization of medical care for women and children	-	6	10	Computer	Reports on classroom practical exercises with their oral defense, E-test
4.8	The organization of activity of organizations and officials exercising state sanitary inspection in the Republic of Belarus	-	3	6	Computer	E-tests
4.9	The organization of medical care to the rural population	-	4	15	Computer	Final works; abstracts; evaluation based on module-rating system,
5	<b>Modern problems of prophylaxis</b>	2	-	-	Computer	<b>Interviews; evaluation based on business-game</b>
6	<b>Basics of management, planning, health economics and financing</b>	4	2	2		
6.1	Health management. Health care planning	2	-	-	Computer	E-tests
6.2	Analysis of health care organizations based on the model of final results	-	2	2	Computer	Reports on classroom practical exercises with their oral defense, Examination
6.3	The economy and health care financing	2	-	-	Computer	E-test
<b>Total hours</b>		<b>20</b>	<b>60</b>	<b>82</b>		



## INFORMATION-METHODOLOGICAL PART

### LITERATURE

#### Basic:

1. Сурмач, М.Ю. Общественное здоровье и здравоохранение: учебное пособие [на англ. яз.] (допущено Министерством образования Республики Беларусь в качестве учебного пособия для иностранных студентов высших учебных заведений по медицинским специальностям) / М.Ю.Сурмач, Е.М.Тищенко. – Гродно: ГрГМУ, 2010. – 384 с. = Public health and health service: The manual / M.Yu.Surmach, E.M.Tishchenko. – Grodno: GrSMU, 2010. – 384 p.
2. Statistics for medical students. – New Delhi [etc.]: Jaypee Brothers Medical Publishers (P) Ltd. 2007. – 420 p.: ill. – Index: p. 415-420. Bibliogr.: p. 410-413.

#### Additional:

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## **THE LIST OF RECOMMENDED DIAGNOSTIC TOOLS**

Following forms are used for competence diagnostics:

1. Oral form.
2. Written forms
3. Oral-written form.
4. Technical form.

Oral competence diagnostics form includes:

- interviews;
- reports on classes;
- reports on conferences;
- evaluation based on business-game.

Written competence diagnostics form includes:

- tests;
- control tasks;
- abstracts;
- evaluation based on module-rating system.

Oral-written competence diagnostics form includes:

- reports on classroom practical exercises with their oral defense;
- final works;
- exam;
- evaluation based on module-rating system.

Technical competence diagnostics form includes:

- E-tests.

## **LIST OF LECTURES**

### **8<sup>th</sup> semester**

1. Public Health and Health Care as a science, an academic discipline, a field of practical activity.
2. Public health. Health care system. International cooperation in the field of healthcare.
3. Medical statistics.
4. Medical demography.
5. Morbidity and disability of the population.
6. Primary health care.

### **9<sup>th</sup> semester**

7. Specialized medical care.
8. Modern problems of prophylaxis.
9. Health management. Health care planning.
10. The economy and health care financing.

### **LIST OF PRACTICAL CLASSES**

#### **8<sup>th</sup> semester**

1. Public Health and Health Care as a science, an academic discipline, a field of practical activity.  
Medical statistics.
2. Medical ethics.  
Medical demography.  
The method of calculation and analysis of demographic indicators.
3. Morbidity and disability of the population.  
The methods for the study of diseases.
4. Public health. Health care systems. International cooperation in the field of healthcare.  
Basics of medical care organization.
5. Primary health care.  
Specialized medical care.
6. The organization of emergency medical care.

#### **9<sup>th</sup> semester**

1. The organization of out-patient medical care for adult population.
2. The organization of hospital medical care.
3. The organization of medical care for women and children.
4. The organization of medical care to the rural population. Analysis of health care organizations based on the model of final results.
5. The organization of activity of organizations and officials exercising state sanitary inspection in the Republic of Belarus.

**NEGOTIATION PROTOCOL TRAINING PROGRAM ON THE DISCIPLINE OF PUBLIC HEALTH AND HEALTH CARE WITH EDUCATIONAL PROGRAMS IN OTHER DISCIPLINES**

Name of related disciplines	The Department	The content of the proposed changes in the curriculum	The decision of the Department-by (date, report number)
General hygiene and military hygiene	General hygiene	-	protocol # 6 of 21.01.2017
Radiation and Environmental Medicine	Radiation medicine and ecology	-	protocol # 6 of 21.01.2017
History of medicine	Public Health and Health Care	-	protocol # 6 of 21.01.2017
Internal Medicine	1 <sup>st</sup> Department of Internal diseases	-	protocol # 6 of 21.01.2017
Outpatient therapy	Department of Outpatient therapy	-	protocol # 6 of 21.01.2017
Surgical diseases	General surgery	-	protocol # 6 of 21.01.2017
Obstetrics and Gynecology	Obstetrics and Gynecology	-	protocol # 6 of 21.01.2017

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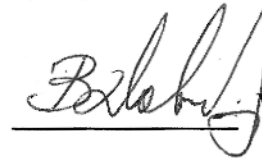


D.S. Yasinskaya

Curriculum content, composition and accompanying documents comply with  
established requirements.

Dean of the Medical Faculty for International  
Students

05. 07 2017 y.



V.V. Davidov

Head of Foreign Languages Department  
Associate Professor

«05» 07 2017 y.



M. N. Petrova

Methodologist-expert of  
Educational Institution  
"Belarusian State Medical University"

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S.A. Kharytonava

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