

EUROPEAN MEDICAL UNIVERSITY

SYLLABUS OF THE EDUCATIONAL DISCIPLINE "SOCIAL MEDICINE, PUBLIC HEALTH"

Cycle of Higher Education:	second cycle of higher education (Master's degree)
Field of Study:	22 «Healthcare»
Specialty:	222 «Medicine»
Educational qualification:	Master of Medicine
Professional qualification:	doctor

Teachers stuff:

Chief of the Department of Internal Medicine with a Course of Preventive Disciplines, MD, PhD, DrMedSc, professor Dmytro DYUDYUN

Prof. of the Department of Internal Medicine with a Course of Preventive Disciplines, PhD MD, PhD, DrMedSc, professor Herman TITOV

1. Name, Code of the discipline and number of credits**SYLLABUS OF THE EDUCATIONAL DISCIPLINE "INTERNAL MEDICINE"**

Cycle of Higher Education: second cycle of higher education (Master's degree)

Field of Study: 22 «Healthcare»

Specialty: 222 «Medicine» (6 course)

Educational qualification: Master of Medicine

Professional qualification: doctor

Semester: 11 (12) th.

Number of credits ECTS (number of hours): 2,5 ECTS credits (75 hours).

Distribution by types of trainings and hours of study –Practical (clinical) lessons – 50 hours, Independent work – 25 hours.

Prerequisite:

Educational discipline "Social Medicine":

- is based on students' study of academic disciplines: history of medicine, informatics, ethics, hygiene and ecology, epidemiology, sociology and medical sociology, fundamentals of economic theories;
- lays the foundations for studying the organization of the medical and diagnostic process, as well as assessing its scope and quality when studying clinical and hygienic disciplines;
- ensures the study of legal and organizational foundations of the health care industry;
- contributes to the formation of the preventive direction of activities of future doctors, taking into account the possible impact on the health of the population of factors of various origins, risk assessment in the development of complex medical and social measures in interaction with the public health system;
- contributes to the formation of an economic outlook and basic competence characteristics regarding the methodology of economic analysis of the activities of medical institutions in accordance with the requirements of the market economy.

Postrequisition: The knowledge, skills and abilities acquired after completing the study of this discipline are required for the study of such clinical disciplines as internal medicine, surgery, pediatrics, obstetrics and gynecology; training of reserve officers in the field of knowledge "Health Care". Also, these knowledge, abilities and skills are necessary for future doctors to form a preventive direction of their activities as doctors, taking into account the possible impact on the health of the population of factors of various origins, risk assessment in the development of complex medical and social measures in interaction with the public health system; for the organization of the treatment-diagnostic process, as well as the assessment of its volume and quality; to study the legal and organizational foundations of the health care industry.

4. Characteristic of the educational discipline

4.1. Purpose and definition of the educational discipline:

The purpose of studying the educational discipline "Social Medicine. Public Health" is to master the necessary knowledge, skills and acquire competences in research, analysis and evaluation of population health indicators, organization, resource provision and activity of the health care system, development from the standpoint of evidence of medicine, recommendations on the prevention and elimination of the harmful effects of factors on health and on the improvement of the organization of medical assistance to the population and the system of public health and its protection.

4.2. Tasks of educational “Social Medicine” discipline

- - mastering the theoretical foundations of biostatistics;
- mastering modern principles of evidence-based medicine;
- familiarization with methods of definition and analysis of basic biostatistical indicators and criteria;
- assimilation of methodical and theoretical bases of formation of statistical aggregates for their further adequate analysis;
- assimilation of methods of definition, analysis and assessment of the main indicators of population health according to separate criteria and in relation to the factors affecting it;
- assimilation of patterns and features of population health formation;
- mastering the principles of developing measures to preserve and strengthen the health of the population and its individual contingents;
- mastering the theoretical foundations and legal foundations of the health care system, its functions and strategic directions of development;
- mastering the principles, directions, tasks of the public health system;
- mastering the basics of the organization of medical care, the principles of evaluating the organization and the quality of providing various types of medical care to the population;
- mastering the main approaches to improving the safety and quality of medical care;
- formation of knowledge on the issue of disability examination, its types, order of organization and actions of medical workers regarding specific situations of disability examination;
- mastering the principles of developing management solutions aimed at improving the activities of health care institutions;
- mastering the basics of economic analysis of the activity of a medical institution;
- mastering the principles of analysis and evaluation of financial and economic indicators of the economic activity of medical institutions in order to rationally use available resources;
- formation of knowledge on issues of price policy, strategic and tactical planning of the economic development of a medical institution;
- familiarization with the development of a business plan for entrepreneurial activity in the health care system.

4.3. Appointment of the discipline

Competencies.

Integral competence:

Ability to solve complex problems and problems in a certain field of professional activity or in the learning process, which involves research and / or innovation and is characterized by uncertainty of conditions and requirements.

General competencies:

- Ability to abstract thinking, analysis and synthesis.
- Ability to learn and master modern knowledge.
- Ability to apply knowledge in practical situations.
- Knowledge and understanding of the subject area and understanding of professional activity.
- Ability to adapt and act in a new situation.
- Ability to make informed decisions.
- Ability to work in a team.
- Ability to choose a communication strategy; to show skills of interpersonal interaction.
- Ability to communicate in the state language both orally and in writing.
- Have the skills to use information and communication technologies.
- Definiteness and persistence in relation to the set tasks and responsibilities.
- Ability to act socially responsibly and consciously.
- Ability to act on the basis of ethical considerations (motives).

Special (professional) competencies:

- Ability to plan and carry out sanitary, hygienic, preventive and anti-epidemic measures for infectious diseases.
- Ability to determine the tactics of management of persons subject to dispensary supervision.
- Ability to keep medical records.
- Ability to perform marketing of medical services.

Program learning outcomes:

- Organize medical and evacuation measures among the population and military personnel, taking into account the existing system of medical and evacuation support.
- Form dispensary groups of patients among the fixed contingent of the population; groups of healthy people subject to dispensary supervision. Implement a system of anti-epidemic and preventive measures within the framework of primary health care for the population. Implement a system of primary prevention measures within the primary medical and sanitary assistance to the population. To organize secondary and tertiary prevention measures among the fixed contingent of the population.
- Plan measures to prevent the spread of infectious diseases. Carry out detection and early diagnosis of infectious diseases; primary anti-epidemic measures in the focus of an infectious disease. Identify risk groups, risk areas, time of risk, risk factors and carry out an epidemiological analysis of infectious diseases of the population.
- Determine the tactics of examination and secondary prevention of patients subject to dispensary supervision; tactics of examination and primary prevention of healthy persons

subject to dispensary supervision; calculate and prescribe the necessary food products for children of the first year of life.

- Determine the presence and degree of life restrictions, the type, degree and duration of incapacity with the preparation of relevant documents.

- Be able to keep medical records.

- Carry out screening to identify the most important non-infectious diseases; evaluate morbidity indicators, integral indicators of health; identify risk factors for the occurrence and course of diseases; form population risk groups. Determine the source and/or location of the required information depending on its type; receive the necessary information from a specified source; process and analyze the received information.

- -Determine negative environmental factors; to analyze the state of health of a certain contingent; determine the existence of a connection between the state of the environment and the state of health of a certain contingent; develop preventive measures based on data on the relationship between the state of the environment and the state of health of a certain contingent. Conduct an analysis of population morbidity, identifying risk groups, risk areas, time of risk, risk factors. Assess the impact of socio-economic and biological determinants on the health of the individual, family, and population.

- Investigate the scope and effectiveness of the activity of a doctor, unit, health care institution; identify activity defects and the causes of their formation; carry out selection and use unified clinical protocols for providing medical care developed on the basis of evidence-based medicine; develop and use local protocols for the provision of medical care; conduct quality control of medical care; determine the factors preventing the improvement of the quality and safety of medical care; estimate the cost of medical services; justify the selection of an adequate method of financing (payment) and the selection of rational forms of organization of the provision of medical services; apply methods of economic analysis when choosing methods of diagnosis, prevention, treatment, rehabilitation.

- -Organize the work of medical personnel; form rational medical routes for patients; organize interaction with colleagues, organizations and institutions; apply tools for the promotion of medical services.

- Form goals and determine the structure of personal activity.

- To comply with the requirements of ethics, bioethics, deontology and academic integrity in their professional activities.

- Organize the required level of individual safety (own and the persons one cares about) in case of typical dangerous situations in the individual field of activity.

4.4 Content of the discipline

Practical lessons plan (CL)

Semester: 11 (12)

1. Methods of planning and organization of statistical, epidemiological, marketing research on the state of health of the population and the activities of health care institutions.
2. Healthcare systems. Health care management.

3. Organization of provision of primary health care (PHC) based on the principles of general practice-family medicine.
4. Organization of providing various types of medical assistance to the population. Information support in health care.
5. Organization of medical examination of disability.
6. The public health system and the organization of medical care for patients with the most important diseases.
7. Quality of medical care. Assessment of the quality of providing medical care to the population.
8. Economics of health care. Methods of health care market research. Marketing in health care.
9. Financing of the health care system. Payment methods for medical service providers. Pricing. Final control.

Independent work topics (IW)

Semester: 11(12)

1. Evaluation and analysis of statistical hypotheses.
2. Calculation and analysis of standardized indicators using modern statistical analysis programs.
3. Statistical sample populations. Methodology of their formation.
4. Comprehensive assessment of population health.
5. Analysis of the demographic situation. Methods of studying and evaluating child mortality indicators.

Semester: 11(12)

Credit structure of “Social Medicine” discipline.

6 course

Content section 1. “Social Medicine”					
Lectures	hours	Practical lessons	hours	Independent work	hours
-	-	Methods of planning and organization of statistical, epidemiological, marketing research on the state of health of the population and the activities of health care institutions.	5	Evaluation and analysis of statistical hypotheses.	5
-	-	-	-	Calculation and analysis of standardized indicators using modern statistical analysis programs.	5
-	-	Healthcare systems. Health care management.	5	-	-

-	-	-		Statistical sample populations. Methodology of their formation.	5
-	-	Organization of provision of primary health care (PHC) based on the principles of general practice-family medicine.	6	-	-
-	-	Organization of providing various types of medical assistance to the population. Information support in health care.	6	-	-
-	-	Organization of medical examination of disability.	5	-	-
-	-	The public health system and the organization of medical care for patients with the most important diseases.	6	Comprehensive assessment of population health.	5
-	-	Quality of medical care. Assessment of the quality of providing medical care to the population.	5	Analysis of the demographic situation. Methods of studying and evaluating child mortality indicators.	5
-	-	Economics of health care. Methods of health care market research. Marketing in health care.	6	-	-
-	-	Financing of the health care system. Payment methods for medical service providers. Pricing. Final control.	6	-	-
Hours:			50		25
All hours of discipline:	75				

Topics of the lecture course: reveal problematic issues in the relevant sections “Social Medicine.”.

Clinical classes provide theoretical justification of the main issues of the topic and acquiring **the following practical skills:**

List of practical skills:

1. Calculation of the analysis of birth rates
2. Calculation for the analysis of mortality rates (general, special)
3. Calculation of the analysis of morbidity indicators
4. Calculation of the analysis of disability indicators
5. Calculation of indicators and analysis of the activity of health care institutions.
6. Examination of temporary disability.
7. Completing documents certifying loss of working capacity
8. Drawing up a management plan to resolve the identified situation.
9. Application of methods of evidence-based medicine when making a management decision.
10. Calculation of the price for the medical service

Independent work of a student provides for preparation for practical classes and final control, studying topics for independent out-of-class work, preparing abstract reports, presentations, tables. Control of learning results of topics of independent out-of-class work is carried out during the class and during final control in the discipline.

Individual work includes the study of scientific literature, preparation of reviews on the submitted topics for presentation, implementation of scientific and practical research, participation in specialized competitions, scientific and practical conferences, competitions of student scientific papers.

Calendar plans of practical classes, thematic plan of independent extracurricular work, scope and directions of individual work are published on the website of the Department.

Way for receiving materials: Website of EMU /Student/Department of Internal Medicine / Educational and methodological support of the Department/ Social Medicine/ or follow the link Department of Internal Medicine, discipline " Social Medicine". Materials are accessed from the student's Office 365-based corporate account.

5. **Forms and methods of monitoring learning success**

Current control in practical classes	Methods: individual oral survey, structured written works, test tasks with the choice of correct answers.
Control of mastering the thematic section of the discipline in intermediate control classes	Methods: oral or written survey, electronic testing, <i>methods of self-control and self-assessment.</i>
Tools for diagnosing learning achievement	Theoretical questions, tests, clinically oriented situational tasks, practical tasks, demonstration of practical skills.
Final semester control at the end of the 11(12)th semester	According to the regulation on control measures in EMU (regulation of EMU)

Final discipline control - <i>diff.credit</i>	Methods: pre-examination testing, oral survey, control of learning practical skills (According to the Regulation on control measures in the EMU (regulations of the EMU)
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6. Evaluation criteria

Knowledge assessment is carried out according to regulation on control measures in EMU ([regulation of EMU](#)).

Current control	According to the four-point system of traditional grades: 5 "Excellent", 4 "Good", 3 "Satisfactory", 2 "Unsatisfactory"
Control of practical skills	According to the four-point system of traditional grades
Differential credit	On a 200-point scale (the sum of points for the current educational activity of the applicant, the result of the differential test and the successful completion of an individual task, if any) Enrolled: from 120 to 200 points. Failed: less than 120 points (see grading scale)
Discipline assessment:	The score on the discipline is determined based on the results of assessment of current activities and is expressed using a fourpoint scale : ("Excellent", "Good", "Satisfactory", "Unsatisfactory"), multi-point scale and ECTS. In order to be positively certified in the discipline, the Applicant must receive a score of at least 60% of the maximum number of points for the discipline (at least 120 points) for the current educational activity. The maximum number of points is 200. The number of points obtained by the Applicant for the current success in the discipline is defined as the arithmetic average of the number of points that the Applicant received during the study of the discipline (practical, seminar, laboratory classes, etc.). The obtained value of the average traditional assessment is converted into points according to the scale of conversion of traditional assessments into rating points. The maximum number of points is 200.

Matching grades on a 200-point scale, a 4-point (traditional) scale, and ECTS scale

On a 200-point scale	Rating on a 4-point scale
180–200	Excellent
140–179	Good
120–139	Satisfactory
0–119	Unsatisfactory

On a 200-point scale	ECTS evaluation
192–200	A
172–191	B
148–171	C
128–147	D
120–127	E
0–119	F

Discipline/course policy

The student has the right to receive high-quality educational services, access to up-to-date scientific and educational information, qualified

advice during the study of the discipline and mastering practical skills. The policy of the department in the provision of Educational Services is student-centered, based on the regulatory documents of the Ministry of Education and the Ministry of Health of Ukraine, the Charter of the EMU and the procedure for providing educational services regulated by the regulation on the organization of the educational process in the EMU and the principles of academic integrity.

Compliance with the EMU schedule, safety precautions in the classroom.

Requirements for preparing for practical classes.

Students should arrive at classes on time, without being late. A student who is more than 10 minutes late for classes is not allowed in and must work it out in accordance with the established procedure. During practical classes, the student must wear a work uniform (medical gown, cap). Students who do not have a work uniform are not allowed to attend classes. The student must follow the safety rules during practical classes and while staying in the Department's premises. When discussing theoretical issues, students should demonstrate tolerance, politeness and respect for their colleagues and the teacher; when performing practical tasks, the workplace should be kept in order and cleaned after completing practical work.

Use of mobile phones and other electronic devices. The use of mobile phones and other electronic devices in the classroom is not allowed, only during Distance Learning, provided that it is technically necessary.

Academic integrity. When studying the discipline, the student should be guided by the following regulations: on academic integrity of EMU ([regulation of EMU](#)). In case of violation of the regulations of academic integrity during the current and final controls, the student receives a grade of "2" and must work it out to the teacher in accordance with the established procedure.

Regulation on control measures in EMU ([Regulation of EMU](#)).

Missed classes should be reworked in accordance with the procedure established in the regulations on control measures in the EMU ([regulation of EMU](#)) during the time determined by the work schedule (Department of Internal Medicine) to the teacher on duty. To work out a missed lesson the student must pass a test and answer in writing or verbally the question on the topic of the lesson.

Procedure for admission to the final control in the discipline is given in the regulations on control measures and regulations on the organization of the educational process in the EMU ([regulation of EMU](#)) and regulations on control measures in the TNM DMI ([regulation of EMU](#)). Students who do not have missed not worked out practical classes and lectures and have received an average traditional grade of at least "3" are allowed to participate in the final control.

Additional individual points. Points are awarded subject to the mandatory participation of the head, head teacher and teacher. These points are encouraging and are added once to the total score of the current academic performance and the result of passing the comprehensive exam. Their total number for one student should not exceed 10, and the final amount of points for an academic discipline should not exceed 200 points.

Individual tasks include:

- 1) writing essays and creating multimedia presentations with reports at meetings of the student scientific group of the department – 3 points;
- 2) participation in the creation of tables, graphological structure, posters on the topics of practical classes – 2 points;
- 3) participation in the student competition in the discipline at the First Stage – 1 point;
- 4) participation/prize-winner of the All-Ukrainian student competition in the discipline - 7/10 points;
- 5) author or co-author of abstracts/article – 2/5 points;
- 6) author or co-author of an oral/information stand report at a scientific conference – 6/3 points;
- 7) author of a student scientific paper accepted for participation or awarded by a diploma of I-III degree in the All – Ukrainian competition of student scientific papers at Stage II - 8 (participation) or 10 (diploma) points.

Resolving conflict issues. If there are misunderstandings and complaints against the teacher due to quality of educational services provided, knowledge assessment, and other conflict situations, the student must first report his/her claims to the teacher. If the conflict issue is not resolved, the student has the right to submit an appeal to the head of the department in accordance with the regulations on consideration of applications from applicants for higher education in EMU ([regulation of EMU](#)), Regulations on consideration of applications, complaints, and proposals of students in EMU ([regulation of EMU](#)), Regulations on meeting the requirements of the organization of the educational process ([regulation of EMU](#)), Regulation on the appeal of the results of the final control of knowledge of applicants for higher education in EMU ([regulation of EMU](#)), Regulations on safe educational environment in EMU ([regulation of EMU](#)).

Policy in the context of distance learning. The procedure for distance learning is regulated by [regulation of EMU](#). The main training platforms for conducting training sessions are Microsoft Teams, Zoom. The procedure for conducting practical classes and lectures, working out and consultations during Distance Learning is published on the Department's Web page Department of Internal Medicine.

Feedback from the teacher is provided directly during the lesson and/or consultation, and is also possible via email (in case of force majeure) during working hours.

1. Training resources

Educational and methodological support of the discipline is published on the website of the Department (Department of Internal Medicine). Consultations are held according to the consultation schedule.

2. Schedule and distribution of groups by teacher are published on the Department's Web page (Department of Internal Medicine).

3. Questions for intermediate and final control of the discipline are published on the Department's Web page (Department of Internal Medicine).

Questions for summary control

1. Theoretical foundations of health care organization in Ukraine.
2. Principles of development of national health care systems in accordance with WHO recommendations.
3. Organization of epidemiological surveillance of public health
4. Objects and units of observation in epidemiological research
5. Choosing the design of an epidemiological study.
6. Application of the method of descriptive statistics (absolute, relative and average values, analysis of process dynamics).
7. Visualization of statistical data.
8. Application of analytical statistics methods in health care (standardization method, correlation-regression analysis, parametric and non-parametric assessment of the probability of research results).
9. Selection and assessment of parametric statistics indicators
10. Selection and evaluation of indicators of non-parametric statistics.
11. Indicators characterizing the health of the population.
12. Determinants of health, their types and structure.
13. Determination of the source of information, calculation and assessment of demographic indicators.
14. The influence of indicators of mechanical movement of the population on the organization of health care.
15. Indicators of infant and maternal mortality as integral indicators of the quality of health care organization in the country.
16. Determination of the source of information, calculation and evaluation of prevalence and morbidity indicators.
17. Determination of the source of information, calculation and assessment of indicators of morbidity with temporary loss of working capacity. The role of evaluating indicators of management decision-making.
18. Determination of the source of information, calculation and assessment of indicators of infectious morbidity. The role of evaluating indicators of management decision-making.
19. Determination of the source of information, calculation and assessment of disability indicators. The role of indicator evaluation in management decision-making.
20. Determination of the source of information, calculation and evaluation of indicators of hospital morbidity. The role of evaluating indicators of management decision-making.
21. Determination of the source of information, calculation and evaluation of performance indicators of health care institutions. The role of evaluating indicators of management decision-making.
22. Definition of the concept of "primary medical care" (PMD. Basic principles of PMD.
23. Accounting for the work of outpatient polyclinic institutions, methods of studying and analyzing indicators of their activity.
24. Accounting for the work of inpatients, methods of studying and analyzing indicators of their activity.
25. Classification of risk factors affecting health, methods of their study.
26. Structure of risk factors that make up the "Global Burden of Disease".

27. Application of the methodology for studying the prevalence of risk factors among the population (STEPS, etc.).
28. The role of evaluating DALE, QALE indicators in the organization of preventive activities of health care facilities.
29. Organization of the electronic health care system. Electronic records, electronic registers.
30. Organization of work with the medical information system (MIS).
31. Development of management solutions aimed at improving the health of the population.
32. Current legislation of Ukraine on health care and normative documents defining the activities of health care institutions;
33. Classification of health care institutions by spheres of activity.
34. Bodies of executive power that implement state policy in the areas of sanitary and epidemic welfare of the population.
35. Basic accounting and reporting documentation of treatment and prevention institutions, rules for its preparation
36. Organization of statistical accounting, methods of calculation and analysis of statistical indicators;
37. Peculiarities of medical provision of the rural population; factors influencing it.
38. Organization of the work of the emergency medical service (EMS), its institutions. 39. Organization of obstetric and gynecological assistance to the urban and rural population.
40. Maternity hospital, its functions, structure. Women's consultation, structure. Functions, performance indicators. The role of women's consultation in antenatal protection of the fetus.
41. Organization of medical and preventive care for children, main types of institutions.
42. Purpose of medical examination and its types. Institutions that carry out an examination of the relevant type.
43. Types and degree of disability
44. Tasks of medical institutions on medical and social examination of working capacity. 45. Temporary disability and its types. Stages of examination of temporary incapacity.
46. Documents certifying temporary incapacity. Functions of the sick leave.
47. The role of the medical and advisory commission (MCC) and the medical and social commission (MSEK) in the examination of temporary incapacity and the issued documents certifying it.
48. Criteria and disability groups.
49. International classification of functional limitations.
50. Documentation and main indicators used in the work of MSEK.
51. Sources of funding for the healthcare industry
52. New approaches to the financing system in Ukraine
53. The essence of entrepreneurship and its features in health care.
54. Legal principles of entrepreneurial activity in health care.
55. Organizational and legal forms of entrepreneurial activity.
56. Business plan as a tool for regulating entrepreneurial activity.
57. Patterns of formation, functioning and features of the health care market. Health care market conditions: demand, supply, price, competition. Price elasticity of demand as a tool for rational use of limited industry resources.
58. Medical services and their properties.
59. Competition, types of competitive structures.
60. The essence, principles, functions, tasks and purpose of marketing. The process of marketing research.
61. Analysis of medical services market opportunities. Marketing strategy and tactics.
62. Means of dissemination of information and assessment of advertising effectiveness.
63. Marketing control.
64. Contents of medical insurance. Types of medical insurance and features of their organization.
65. The essence and significance of economic analysis for the health care system, medical enterprise.
66. Methods of economic assessment as a tool for rational use of industry resources: "cost minimization", "cost-effectiveness", "cost-benefit", "cost-utility".

67. The essence of financial analysis in health care.
68. Analysis of the financial condition of a medical enterprise.
69. Determination of the main indicators of the financial performance of medical production enterprises for the purpose of making management decisions.
70. Management as science and management practice.
71. Methodology of management decision-making, technology of their implementation.

Recommended literature

Basic:

1. Biostatistics. - K.: Book plus; 2009. – 184 p.
2. Public health: textbook for students. higher med. education institutions / V.F. Moskalenko, O.P. Gulchii, T.S. Gruzewa, V.M. Lekhan (and others). Ed. 3 - Vinnytsia: Nova Kniga, 2013. - 560 p.
3. Economics of health care: a textbook / V.F. Moskalenko, O.P. Gulchii, V.V. Taran and others; under the editorship V.F. Moskalenka – Vinnytsia: Nova Kniga, 2010. – 288 p.
4. Epidemiological methods of studying non-infectious diseases / V.M. Lekhan, Yu.V. Voronenko, O.P. Maksymenko et al. - D.: ART-PRESS, 2004. - 184 p.

Additional:

1. Biostatistics. - K.: Book plus; 2009. – 184 p.
2. Social medicine and organization of health care / Under general ed. Yu.V. Voronenko, V.F. Moskalenka - Ternopil: Ukrmedknyga, 2000. - 680 p.
3. Handbook of social medicine and health care organization / Ed. Yu.V. Voronenko. - K.: Zdrovya, 2002. - 359 p.
4. Program test questions on social medicine and health care / Ed. Yu.V. Voronenko - ed. second, rework and additional – Ternopil: Ukrmedknyga, 2001. - 256 p.
5. Epidemiological methods of studying non-infectious diseases / V.M. Lekhan, Yu.V. Voronenko, O.P. Maksymenko et al. - D.: ART-PRESS, 2004. - 184 p.
6. Methods of social medicine / under the editorship. OHM. Ocheredko, O.H. Protsek – Vinnytsia: Thesis, 2007. – 410 p.
7. Grynhal'kh T. Osnovy dokazatel'noy meditsyny: Translated from English / T. Grynhal'kh. - M.: GEOTAR-Media, 2006. - P. 92-112.
8. Inequality in Ukraine: scope and possibilities of influence / edited by E.M. Libanova. - K.: Institute of Demography and Social Research named after M.V. Birds of the National Academy of Sciences of Ukraine, 2012. - 404 p.

Information resources:

- World Health Organization www.who.int
- European Observatory on Health Systems and Policy <http://www.euro.who.int/en/about-us/partners/observatory>
- WHO European Regional Office <http://www.euro.who.int/ru>
- European database "Health for all" www.euro.who.int/ru/home
- Cochrane Center for Evidence-Based Medicine www.cebm.net
- Cochrane Library www.cochrane.org
- PubMed Health <https://www.ncbi.nlm.nih.gov/pubmedhealth/>
- US National Library of Medicine - MEDLINE www.ncbi.nlm.nih.gov/PubMed
- Canadian Center for Evidence in Health www.cche.net
- Center for Disease Control and Prevention www.cdc.gov
- Ministry of Health of Ukraine <http://www.moz.gov.ua>
- Center for Medical Statistics of the Ministry of Health of Ukraine <http://medstat.gov.ua/ukr/main.html>
- State Statistics Service of Ukraine - <http://www.ukrstat.gov.ua/>
- Public Health Center of the Ministry of Health of Ukraine www.phc.org.ua

- Ukrainian database of medical and statistical information "Health for all":
<http://medstat.gov.ua/ukr/news.html?id=203>
- British Medical Journal www.bmj.com
- Journal of Evidence-Based Medicine www.evidence-basedmedicine.com
- Testing Center at the Ministry of Health of Ukraine - <http://testcentr.org.ua/>,
www.facebook.com/testcentr.org.ua, www.twitter.com/testcentrorgua
- Register of medical and technological documents of the Ministry of Health -
<http://mtd.dec.gov.ua/index.php/uk/reiestr-mtd/item/21-planuvannia-simi>
- National Library of Ukraine named after V. I. Vernadsky <http://www.nbu.gov.ua/>
- Database of the V. I. Vernadskyi National Library of Ukraine http://irbis-nbu.gov.ua/cgi-bin/irbis64r_81/cgiirbis_64.exe?C21COM=F&I21DBN=JRN_EX&P21DBN=JRN&S21FMT=&S21ALL=&Z21ID=
- National Scientific Medical Library of Ukraine <http://www.library.gov.ua/>
- Dnipropetrovsk Regional Scientific and Medical Library <http://medlib.dp.gov.ua:8087/jirbis2/ua/>