



EDUCATIONAL PROGRAM

| | |
|-----------------------------------|---------------|
| Educational program code: | 8D10139 |
| Name of the educational program: | Public Health |
| Level of the educational program: | Doctorate |

Shymkent, 2022 y.

The educational program was developed by the members of the CEP:
Head of the Department of Social Health Insurance and Public Health, c.m.s,
Associate Professor

Agreed with employers:

General Director of «Mediker UK» LLP

Professor of the department of Public Health, Health Management of the Tashkent State Institute of Dentistry, d.m.s

President of the Akmola regional branch of the Republican United Society «National Medical Association», Health care Manager, d.m.s, professor

Head of the association of legal entities «Association of Private Clinics of South Kazakhstan region»

Chairman of the EPC «Public Health»

Protocol № 10 24 06 2022 y.


Approved by the Scientific Council

Vice-Rector by SCW

Protocol № 5a 08 08 2022 y.

Approved by the Academic Council

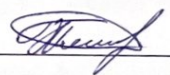
Protocol № 15 08 08 2022 y.

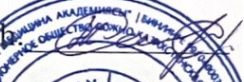
Sarsenbaeva G. Zh. 


Pozilov B. D. 

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Tashmetov K. K. 

Timoshenko M. G. 

Sarsenbaeva G. Zh. 

Nurmashev B. K. 



- Internal regulatory documents of JSC «SKMA»

5. Field of professional activity: Health care organizers; heads of state and non-state medical and non-medical institutions, research and teaching activities in universities..

6. Object of professional activity: Healthcare management organizations, healthcare and social security organizations, organizations of higher and postgraduate education, organizations of science.

Types of professional activity:

- organizational and managerial;
- research activities;
- educational (pedagogical).

General information

| № | Characteristics of the EP | Data |
|----|---|-----------------------|
| 1 | Registration Number | 8D10100034 |
| 2 | Code and classification of the field of education | 8D10 Health care |
| 3 | Code and classification of the field of study | 8D101 Health care |
| 4 | Group of Educational Programs | D139 Public Health |
| 5 | Code, name of the educational program | 8D10139 Public Health |
| 6 | Type of EP | New EP |
| 7 | ISCED level | 8 |
| 8 | NQF level | 8 |
| 9 | IQF Level | 8 |
| 10 | Distinctive features of the EP | No |
| | Partner University (JEP) | - |

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|----|---------------------------|---|
| | Partner University (DDEP) | - |
| 11 | List of competencies | <p>Key competencies of the graduate of the program:</p> <p>KC1 Public health methods.</p> <p>KC2 Population health and its physical, radiological, chemical and biological-environmental determinants.</p> <p>KC3 Health promotion: health education, health protection and disease prevention.</p> <p>KC4 Ethics.</p> |
| 12 | Learning Outcomes | <p>LO1 Develops continuous updating of knowledge and expansion of professional abilities and skills in new contexts requiring problem-solving synthesised by a multitude of interrelated factors.</p> <p>LO2 Analyse organisational, managerial, financial and health promotion strategies in order to inform forecasting of the introduction of new services, technologies and health promotion activities.</p> <p>LO3 Demonstrates a systematic understanding of public health development issues to conduct relevant research at international and national level, effectively using the search for reliable databases, systematising empirical research findings.</p> <p>LO4 Develops effective epidemiological and statistical concepts and research plans, projecting them to the needs of the health care system.</p> <p>LO5 Generates ideas, contributes with own original research to health promotion strategies from the national to the regional level.</p> <p>LO6 Is able to communicate on health promotion, health system development issues in written and oral form with the general scientific community and society at international and national level, respecting ethical principles, general principles of authorship in speeches and publications in scientific journals.</p> <p>LO7 Develops public health policies, including risk management programmes, monitoring the delivery of quality health services, based on scientific independent</p> |

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| <div>ОҢТҮСТІК ҚАЗАҚСТАН MEDISINA AKADEMIASY «Оңтүстік Қазақстан медицина академиясы» АҚ</div> <div></div> <div>SOUTH KAZAKHSTAN MEDICAL ACADEMY АО «Южно-Казахстанская медицинская академия»</div> | |
| «Public Health» educational programme committee | 044- Page 6 of 18 |
| Educational program | |

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|----|--|---|
| | | research. |
| 13 | Form of study | In-person |
| 14 | Language of instruction | Kazakh, Russian |
| 15 | Amount of loans | 180 |
| 16 | Degree Awarded | Doctor of Philosophy (PhD) in the educational program 8D10139 «Public health» |
| 17 | Duration of training | 3 years |
| 18 | Availability of an appendix to the license for the direction of personnel training | KZ36LAA00011387 (020) |
| 19 | Availability of EP accreditation | Yes |
| | Availability of EP accreditation | Independent Agency for Accreditation and Rating (IAAR) |
| | Accreditation Certificate No., Accreditation Validity Period | №AB 3993, 10.06.2022y. – 09.06.2027y. |
| 20 | Information about disciplines | Annex 1.2 |

Annex 1

**Matrix of correlation of learning outcomes in the educational program as a whole
with the competencies being formed**

| | LO1 | LO2 | LO3 | LO4 | LO5 | LO6 | LO7 |
|-----|-----|-----|-----|-----|-----|-----|-----|
| KC1 | | | | | | | |
| KC2 | | | | | | | |
| KC3 | | | | | | | |
| KC4 | | | | | | | |

Annex 1.2

Competency attainability/learning outcomes matrix

| № | Name of the discipline | A brief description of the discipline | Cycle (BD, PD) | Component (UC, OC) | Number of credits | Generated LO (codes) |
|---------------------------------------|------------------------------|--|-------------------|-----------------------|-------------------|----------------------|
| The cycle of basic disciplines | | | | | 28 | |
| 1 | Introduction to PhD Research | Relevance, theoretical and practical significance of the chosen topic of scientific research. The specifics of research activities. Follow-up study methodology. Foreign languages application for independent work on normative sources and scientific literature. Personal research organization. Providing the research results to the scientific community as an article or report form. | BD | UC | 2 | LO3 LO6 LO7 |
| 2 | Oral communication | Ways to express personal information: acquaintance, self-presentation. Business etiquette within the formal and informal register of communications. Small-talk in the context of everyday and business communication. Professional portrait in oral speech. Presenting yourself as an employee and a structural unit. | BD | UC | 2 | LO1 LO6 |
| 3 | Research Ethics | Ethical theory and principles, a brief history of research ethics. Key features of research ethics. The process of obtaining informed consent to participate in research, the role and functions of ethical committees, Ethical aspects of | BD | UC | 2 | LO3 LO4 LO5 |



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|---|---|---|----|----|---|--------------------------|
| | | the selection and design of scientific work, confidentiality. | | | | |
| 4 | Project management | Types of scientific information. Research programs. Organization and management of project management. Development of documentation for the management of personnel and project teams. Methods and tools for the development of personnel competencies in the field of project management. International and domestic standards for project management. FINER is a criterion for assessing the relevance of scientific research. Financial flows of investment projects. Principles of intellectual property rights protection for scientific discoveries and developments. | BD | UC | 2 | LO1 LO2 LO6 LO7 |
| 5 | Theory and practice of scientific writing | Theories and concepts of academic writing. Style and genres of academic texts. Scientific terminology, the use of terms in a scientific text. Design of scientific reviews and the results of original research. Features and rules of drawing up methodological developments. Individual approach to writing academic letters in English. | BD | UC | 2 | LO3 LO6 |
| 6 | Partnership: Research and Society | Social partnership in the system of social and labor relations. Global experience of partnership. The world practice of the formation and development of the social partnership system. Modern approaches and practice. Features of the formation and implementation of partnerships in scientific research. Modernization of partnership in project research. | BD | UC | 2 | LO2 LO5 LO7 |

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|---------------------------|---|--|----|----|---|-------------------|
| 7 | Reading skills and critical analysis of scientific publications | Critical thinking phenomenon and its processes. Critical thinking's stimulation methods, functions, types. Criteria for the argumentation's correctness and validity, evidence's types, structures. Constructive and destructive criticism. Scientific publications' critical evaluation. Article's main requirements for publication in the journal editorial office and the impact factor index determination in valid databases' periodicals. | BD | UC | 2 | LO3 LO4 LO6 |
| 8 | Introduction to teaching and learning | Organizational forms of training. Modern pedagogical technologies and fundamentals of pedagogical control. Organization of the educational process at the university. The possibility of using the tools of disciplines that determine the direction (profile) of training specialists in solving complex interdisciplinary, intersectoral problems in the field of professional activity. | BD | UC | 2 | LO1 LO2 |
| Optional component | | | | | | |
| 9 | Leadership and human resource management | Leadership styles. Power and leadership. Conflicts in organizations. Mathematical models of decision-making. Concepts of human resource management. The social and economic context of labor migration. Globalization: social implications and impact on labor markets. Principles and methods of teamwork. New approaches to the remuneration of medical staff. | BD | OC | 2 | LO1 LO2 LO7 |
| 10 | Epidemiological aspects of the prevention of | Application of principles and methods of epidemiological research. Epidemiological assessment of particularly dangerous infectious diseases at the national and | BD | OC | 2 | LO4 LO7 |



| | | | | | | |
|-------------------------------------|--|---|----|----|-----------|-------------------|
| | particularly dangerous infections, including coronavirus infection | international levels. (coronavirus infection, HIV, hemorrhagic fevers, plague, tularemia, etc.). Epidemic surveillance and methods of control and prevention of these diseases. Documents regulating measures for the prevention and control of quarantine and other particularly dangerous infections. Anti-epidemic work in emergency situations. | | | | |
| 11 | Teaching practice | Develops and organizes classes with undergraduates (students) (at least 10 classes). Participates in and analyzes the training sessions conducted by the teachers of the department. Participates and analyzes scientific and methodological seminars and conferences. Conducts practical activities with students in a scientific circle. Compiles articles of scientific and methodological nature. Prepares a report on scientific and pedagogical practice. | BD | UC | 10 | LO1 |
| Cycle of profile disciplines | | | | | 17 | |
| 12 | Methodology of scientific research | Identification of the problem with the formulation of the hypothesis. Sample design. Databases of scientific research, methods of collecting information. Methods of qualitative research. Qualitative strategies in scientific research. Features of the stages of qualitative research. Methodological and theoretical foundations of scientific research, requirements for the organization of research activities. Types of scientific research. Ethical aspects of research. Data analysis and formulation of conclusions. | PD | UC | 2 | LO2 LO3 LO4 |
| 13 | Applied statistics | Methods of analysis of empirical information. Methodological tools for descriptive and analytical | PD | UC | 2 | LO4 LO7 |

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|---------------------------|--|---|----|----|----|-------------------|
| | | statistics. Statistical observation. Summary and grouping of statistical material. Multivariate statistical analysis. Modeling and analysis of multidimensional time series. Calculation of the coefficients of a linear equation. Methods of presenting statistical data. | | | | |
| Optional component | | | | | | |
| 14 | Modern problems of healthcare management | Modern approaches to management in the field of healthcare. Legislation in the healthcare system. Strategic planning. Risk management. Public-private partnership. Goals and objectives of the organization, SWOT analysis. Methods of calculating the cost of medical services. Organization of financial and economic activities in a healthcare organization. Ensuring the financial security of a medical organization. | PD | OC | 3 | LO1 LO5 LO7 |
| 15 | Hospital epidemiology | Characteristics of the epidemiological features of infections associated with the provision of medical care. The system of epidemiological surveillance of hospital infections, accounting and registration. Sanitary and bacteriological studies of objects of the external environment of medical and preventive institutions. Monitoring the health status of medical personnel. Hypothesis testing, association measurement, stratified analysis of results. Mixing and modifying the effect of the results obtained. | PD | OC | 3 | LO2 LO4 LO7 |
| 16 | Research practice | Forms professional competencies necessary for independent scientific and practical activities. The dissertation research uses modern methods of scientific | PD | UC | 10 | LO4 LO5 |


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|--------------------------|--|---|--|--|------------|--------------------------------------|
| | | research, data processing and interpretation, consolidates practical skills by studying the latest theoretical, methodological and technological achievements of domestic and foreign medical sciences. | | | | |
| Research work | | | | | 123 | |
| 17 | Research work of a doctoral student, including an internship and a doctoral dissertation | Research activities in the professional sphere with the use of modern research methods and information and communication technologies on the basis of a foreign university. Conducting scientific research, planning and organizing a scientific experiment, the basics of methods for processing scientific data. Arguments in favor of solving research and practical problems, including in interdisciplinary areas. | | | 123 | LO1 LO2 LO3 LO4 LO5 LO6 LO7 |
| Final examination | | | | | 12 | |
| 18 | Writing and defending a doctoral dissertation | Assessment of learning outcomes and key competencies achieved upon completion of the study of the doctoral program. | | | 12 | LO1 LO2 LO3 LO4 LO5 LO6 LO7 |
| TOTAL | | | | | 180 | |

A matrix for achieving LO using various learning methods

| LO | Teaching and learning methods | |
|---|--|--|
| LO1 Develops continuous updating of knowledge and expansion of professional abilities and skills in new contexts requiring problem-solving synthesised by a multitude of interrelated factors. | Conducting discussions on current topics in healthcare, feedback from a doctoral student | Solving situational problems, oral interview |
| LO2 Analyse organisational, managerial, financial and health promotion strategies in order to inform forecasting of the introduction of new services, technologies and health promotion activities. | Development and conduct of scientific research | Practical implementation of research analysis in the field of healthcare |
| LO3 Demonstrates a systematic understanding of public health development issues to conduct relevant research at international and national level, effectively using the search for reliable databases, systematising empirical research findings. | Conducting seminars, working in groups for the technological, social or cultural development of society | Assignment for doctoral students to independently choose topics for research |
| LO4 Develops effective epidemiological and statistical concepts and research plans, projecting them to the needs of the health care system | Discussion of tasks for teamwork and case studies | Working in groups |
| LO5 Generates ideas, contributes with own original research to health promotion strategies from the national to the regional level. | Conducting seminars and discussions, feedback from the doctoral student | Solving situational problems, oral interview |
| LO6 Is able to communicate on health promotion, health system development issues in written and oral form with the general scientific community and society at international and national level, respecting ethical principles, general principles of authorship in speeches and publications in scientific journals. | Publication in scientific publications | Writing theses, scientific articles Public appearances |
| LO7 Develops public health policies, including risk management programmes, monitoring the delivery of quality health services, based on scientific independent research. | Implementation of learning in the process of solving problems by delegating tasks to doctoral students with the assignment of leadership functions to them | Solving situational problems, oral interview |

The matrix of compliance of LO with assessment methods

| LO | Assessment methods | |
|---|---|---|
| LO1 Develops continuous updating of knowledge and expansion of professional abilities and skills in new contexts requiring problem-solving synthesised by a multitude of interrelated factors. | Personal research: Assessment of independent scientific activity | Essay |
| LO2 Analyse organisational, managerial, financial and health promotion strategies in order to inform forecasting of the introduction of new services, technologies and health promotion activities. | Implementation of practical projects, development and testing of methods or models | Testing Oral interview |
| LO3 Demonstrates a systematic understanding of public health development issues to conduct relevant research at international and national level, effectively using the search for reliable databases, systematising empirical research findings. | Monitoring | Participation in discussions, seminars, conferences, round tables and other events within the framework of scientific and scientific-pedagogical activities |
| LO4 Develops effective epidemiological and statistical concepts and research plans, projecting them to the needs of the health care system. | Portfolio creation of a portfolio of works, including various types of projects, written works | Testing |
| LO5 Generates ideas, contributes with own original research to health promotion strategies from the national to the regional level. | Creating a portfolio that includes various works, research and achievements | Oral exams: conducting theoretical and practical exams |
| LO6 Is able to communicate on health promotion, health system development issues in written and oral form with the general scientific community and society at international and national level, respecting ethical principles, general principles of authorship in speeches and publications in scientific journals. | Summary/presentation | Self-assessment |

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| | | |
|--|--------|---|
| LO7 Develops public health policies, including risk management programmes, monitoring the delivery of quality health services, based on scientific independent research. | Rating | Essay (short and long) The short answer is |
|--|--------|---|

Work plan for the entire period of study

| The cycle of disciplines | | Discipline code | Name of the discipline | Amount of credits | General hours | Practical lesson | IWD | | 1 year of study | 2 year of study | 3 year of study | Form of control |
|--------------------------|--------------|-----------------------------|---|-------------------|---------------|------------------|------------|------------|-----------------|-----------------|-----------------|-----------------|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | IWDT | IWD | 10 | 11 | 12 | 13 |
| BD | UC/OC | BASIC DISCIPLINES | | 28 | 840 | 280 | 168 | 392 | 28 | | | |
| BD | UC | University component | | 16 | 480 | 160 | 96 | 224 | 16 | | | |
| | | D-IPhDR | Introduction to PhD Research | 2 | 60 | 20 | 12 | 28 | 2 | | | Exam |
| | | D-OKOM | Oral communication | 2 | 60 | 20 | 12 | 28 | 2 | | | Exam |
| | | D-RET | Research Ethics | 2 | 60 | 20 | 12 | 28 | 2 | | | Exam |
| | | D-PMEN | Project management | 2 | 60 | 20 | 12 | 28 | 2 | | | Exam |
| | | D-TPSW | Theory and practice of scientific writing | 2 | 60 | 20 | 12 | 28 | 2 | | | Exam |
| | | D-PRS | Partnership: Research and Society | 2 | 60 | 20 | 12 | 28 | 2 | | | Exam |
| | | D-RSCASP | Reading skills and critical analysis of scientific publications | 2 | 60 | 20 | 12 | 28 | 2 | | | Exam |
| | | D-ITL | Introduction to teaching and learning | 2 | 60 | 20 | 12 | 28 | 2 | | | Exam |
| | TP | Teaching practice | | 10 | 300 | 100 | 60 | 140 | 10 | | | Report |
| | OC | Optional Component | | 2 | 60 | 20 | 12 | 28 | 2 | | | |
| | | D-LHRM | Leadership and human resource management | 2 | 60 | 20 | 12 | 28 | 2 | | | Exam |
| | | D-EAPPDIICI | Epidemiological aspects of the prevention of particularly dangerous infections, including coronavirus infection | 2 | 60 | 20 | 12 | 28 | 2 | | | Exam |

| PD | UC/OC | PROFILE DISCIPLINES | 17 | 510 | 170 | 102 | 238 | 17 | | | |
|--------------|--|---|------------|-------------|-------------|-------------|------------|-----------|-----------|--|---------------|
| PD | UC | University component | 4 | 120 | 40 | 24 | 56 | 4 | | | |
| | | D-MSR Methodology of scientific research | 2 | 60 | 20 | 12 | 28 | 2 | | | Exam |
| | | D-AS Applied statistics | 2 | 60 | 20 | 12 | 28 | 2 | | | Exam |
| | OC | Optional Component | 3 | 90 | 30 | 18 | 42 | 3 | | | |
| | | D-MPHM Modern problems of healthcare management | 3 | 90 | 30 | 18 | 42 | 3 | | | Exam |
| | | D-HosE Hospital epidemiology | 3 | 90 | 30 | 18 | 42 | 3 | | | Exam |
| | RP | Research practice | 10 | 300 | 100 | 60 | 140 | 10 | | | Report |
| RW | | RESEARCH WORK | 123 | 3690 | 1230 | 2460 | 15 | 60 | 48 | | |
| RWDD | Research work of a doctoral student, including an internship and a doctoral dissertation | | 8 | 240 | 80 | 160 | 8 | | | | Report |
| | | | 7 | 210 | 70 | 140 | 7 | | | | |
| | | | 30 | 900 | 300 | 600 | | 30 | | | |
| | | | 30 | 900 | 300 | 600 | | 30 | | | |
| | | | 30 | 900 | 300 | 600 | | | 30 | | |
| | | | 18 | 540 | 180 | 360 | | | 18 | | |
| FE | | FINAL EXAMINATION | 12 | 360 | 120 | 240 | | | 12 | | |
| WDDD | | Writing and defending a doctoral dissertation | 12 | 360 | 120 | 240 | | | 12 | | |
| TOTAL | | | 180 | 5400 | 1800 | 3600 | 60 | 60 | 60 | | |