"APPROVED."
Ractor JSC UKMA
_____ Seitzhanova Zh.S
_____05_____ 2025

EDUCATIONAL PROGRAM
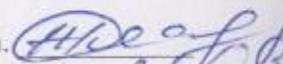
Education Program Code: 8D10139

Title of Educational Program: Public health

Educational Program Level: Doctoral studies

Shymkent, 2025y.

ONTUSTIK QAZAQSTAN **MEDISINA AKADEMIASY** «Оңтүстік Қазақстан медицина академиясы» АҚ (SKMA)	SOUTH KAZAKHSTAN **MEDICAL ACADEMY** АО «Южно-Казахстанская медицинская академия»

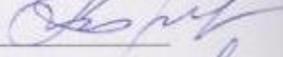| Department of Social Health Insurance and Public Health	044-58/15
Educational program	2 page 19

Educational program 8D10139 "Public Health" is developed by members of the Academic Committee of Educational Programs at the Master's and Doctoral levels

The educational program is designed by:
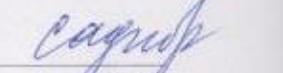
Head of the Department "Social Health Insurance and
Public Health" c.m.s., ass. prof.   Sarsenbaeva G.Zh.

Acting Associate Professor of the Department of Social Health Insurance and
Public Health", Candidate of Medical Sciences   Tokkulieva B.B.
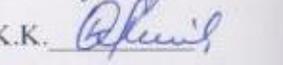
Acting Associate Professor of the Department of Social Health Insurance and
Public Health", Candidate of Medical Sciences   Sadibekova J.U.

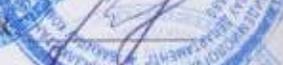Chairperson of the AC OP for Master's and Doctoral levels   Orynbasarova K.K.

Minutes No. 8 of 25 03 2025.

Coordinated with employers:

Chairperson of the Public Association "Local Trade Union of Healthcare Workers "DENSAULYQ"   Karbaev S.A.

Deputy Head of the Department of Sanitary and Epidemiological Control of Shymkent city.   Akhmetov A. K.

Deputy Chief Physician of the Mental Health Center of the Mental Health Center of Shymkent City UZH   Erezhepov E.V.

Director of the medical center of Alinur and K LLP   Timoshenko M.G.

Approved by the Methodological Council

Vice-Rector for UM&WRM Anartaeva M.U.
Minutes No. 9 of 02 05 2025.

Approved by the Academic Council
Minutes No. 13 of 02 05 2025.

ONTÜSTIK QAZAQSTAN SOUTH KAZAKHSTAN	
MEDISINA **SKMA** MEDICAL	
AKADEMIASY ACADEMY	
«Оңтүстік Қазақстан медицина академиясы» АҚ АО «Южно-Казахстанская медицинская академия»	
Educational and methodological Center	3 page 13
Educational program	

Passport of the educational

1. **Mission of the educational program:** Preparation of competitive scientific and pedagogical staff of the highest level of qualification, capable of conducting scientific research and implementing organizational and management technologies to solve complex problems on the protection of public health and development of an effective health care system in Kazakhstan.

2. **Purpose of the educational program:** Preparation of competitive highly qualified scientific, scientific and pedagogical specialists, researchers for Kazakhstani and international universities, governmental and non-governmental institutions in Kazakhstan and abroad, capable of carrying out organizational and managerial, research, analytical and expert activities in the system of public health and health care organization.

3. **Basis of the educational program:** The need in the labor market: the educational program is focused on health care professionals who are able to conduct scientific research and implement organizational and management technologies to solve complex problems of public health protection and development of an effective health care system in Kazakhstan.

4. **Professional standard on the basis of which the educational program was developed:**

Normative documents for the development of the educational program

- Order of the Minister of Science and Higher Education of the Republic of Kazakhstan "On Approval of State Compulsory Standards of Higher and Postgraduate Education" dated July 20, 2022 № 2.

- Order of the Minister of Health of the Republic of Kazakhstan "On approval of the state obligatory standards on levels of education in the field of health care" from July 4, 2022 № KR DSM-63.

- Order of the Minister of Education and Science of the Republic of Kazakhstan "On approval of the Rules of organization of educational process on credit technology of education in organizations of higher and (or) postgraduate education" from April 20, 2011 № 152.

- Law of the Republic of Kazakhstan "On Education" dated July 27, 2007 № 319-III (as amended on 04.07.2022).

- Order of the Minister of Education and Science of the Republic of Kazakhstan "On Approval of the Model Rules of Activity of Organizations of Higher and Postgraduate Education" dated October 30, 2018 № 595 (with amendments and additions as of 29.12.2021).

- "Regulations on the order and procedures for the development of educational programs" JSC "YUKMA" dated 29.04.2024.

ONTÚSTIK QAZAQSTAN — SOUTH KAZAKHSTAN
MEDISINA **SKMA** MEDICAL
AKADEMIASY ACADEMY
«Ońtústik Qazaqstan medicina akademiasy» AǨ — AO «Южно-Казахстанская медицинская академия»

| Educational and methodological Center | 4 page 13 |
| Educational program | |

- Internal regulatory documents of JSC UKMA

5. **Sphere 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:** Health care management organizations, health care and social security organizations.

Types of professional activities:

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

General information

№	Characterization 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 training direction	8D101 Health Care
4	Group of educational programs	D139 Public health
5	Code, name of educational program	8D10139 Public Health
6	Type of EP	Current EP
7	ISCED level	8
8	NSC level	8
9	ORC level	8
10	Distinctive features of the EP	No
	Partner HEI (SOP)	-
	Partner institution of higher education	-

ONTÚSTIK QAZAQSTAN	SKMA	SOUTH KAZAKHSTAN
MEDISINA AKADEMIASY		MEDICAL ACADEMY
«Оңтүстік Қазақстан медицина академиясы» АҚ		АО «Южно-Казахстанская медицинская академия»

Educational and methodological Center

Educational program

5 page 13

	(PIU)	
11	List of competencies	Key competencies of the program graduate: **QC1** Public Health Methods. **KK2** Population health and its physical, radiological, chemical and bio-environmental determinants. **CC3** Health promotion: health education, health promotion and disease prevention. **KK4** Ethics.
12	Learning Outcomes	RO 1 - Develops continuous updating of knowledge and expansion of professional abilities and skills in new contexts requiring problem solving synthesized by multiple interrelated factors. RO2 -Analyzes organizational, managerial, financial, and health strategies to make informed predictions for the introduction of new services, technologies, and health promotion interventions. RO3 - Demonstrates a systematic understanding of public health development issues to conduct relevant research at the international and national level, effectively using the search of credible databases, systematizing empirical research findings. RO4 - Develops effective epidemiologic and statistical concepts and research plans, designing them to meet the needs of the health care system. RO 5 - Generates ideas, contributes own original research to health promotion strategies from national to regional level. RO6 - Able to communicate on the problems of health promotion, development of health care system in written and oral form with the broad scientific community and society as a whole at the international and national level, observing ethical principles, general principles of authorship in speeches

ONTÜSTIK QAZAQSTAN MEDISINA AKADEMIASY «Оңтүстік Қазақстан медицина академиясы» АҚ	SKMA	SOUTH KAZAKHSTAN MEDICAL ACADEMY АО «Южно-Казахстанская медицинская академия»	
	Educational and methodological Center		6 page 13
	Educational program		

		and publications in scientific publications. RO 7 - Develops knowledge and professional skills, evaluates leadership effectiveness in healthcare, and participates in human resource management tasks including crisis situations
13	Form of training	Full-time
14	Language of instruction	Kazakh, Russian
15	Loan volume	180
16	Degree awarded	Doctor of Philosophy (PhD) in the educational program 8D10139 "Public Health"
17	Term of study	3 years
18	Availability of an annex to the license for the direction of training	KZ36LAA00011387 (020)
19	Availability of OP accreditation	Yes
	Name of accreditation body	NU "Independent Agency for Accreditation and Rating" IAAR
	№ accreditation certificates, accreditation validity period	№AB 3993, 10.06.2022. - 09.06.2027г.
20	Information on disciplines	Appendix 1.2.

	ONTÚSTIK QAZAQSTAN **MEDISINA** **AKADEMIASY** «Оңтүстік Қазақстан медицина академиясы» АҚ	SKMA	SOUTH KAZAKHSTAN **MEDICAL** **ACADEMY** АО «Южно-Казахстанская медицинская академия»	
	Educational and methodological Center			7 page 13
	Educational program			

Annex 1

Matrix of correlation of the learning outcomes of the educational program as a whole with the competences formed

	RO1	RO2	RO3	RO4	RO5	RO6	RO7
KK1	██	██					
KK2			██	██			
KK3					██		██
KK4						██	

	ONTÚSTIK QAZAQSTAN **MEDISINA** **AKADEMIASY** «Оңтүстік Қазақстан медицина академиясы» АҚ	SKMA	SOUTH KAZAKHSTAN **MEDICAL** **ACADEMY** АО «Южно-Казахстанская медицинская академия»	
	Educational and methodological Center			8 page 13
	Educational program			

Appendix 1.2.

Competencies/learning outcomes achievability matrix

№	Name of discipline	Brief description of the discipline	Cycle (DB, PD)	Component (VK, KW)	Number of loans in	Formed ROs (codes)
		Cycle of basic disciplines			28	
		Mandatory / University component			20	
1	Academic writing	Formation of knowledge and skills in text structuring, organization of scientific and educational works; formulate and substantiate their own ideas, build logical chains of argumentation and critically analyze sources; knowledge of various citation styles; learning to analyze and critically comprehend existing research and publications in their field; improving writing skills at the academic level; skills of introspection and evaluation of their own texts effective communication skills in compliance with the principles of inclusion, including the ability to present the results of scientific research. The use of artificial intelligence and digital technologies.	DB	UC	5	RO1 RO4 RO5 RO6
2	Scientific research	Formation of knowledge and skills to carry out scientific research at a high level; principles of the	DB	UC	4	RO3 RO4

ONTÜSTIK QAZAQSTAN
MEDISINA
AKADEMIASY
«Оңтүстік Қазақстан медицина академиясы» АҚ

SKMA

SOUTH KAZAKHSTAN
MEDICAL
ACADEMY
АО «Южно-Казахстанская медицинская академия»

Educational and methodological Center

Educational program

9 page 13

	methods	scientific method: formulation of hypotheses, data collection, analysis and interpretation of results, ethical issues; the ability to develop research designs and apply statistical methods, digital technologies and artificial intelligence to analyze data and interpret the results. To develop the skills of critical analysis of literature, assessment of the quality and reliability of sources, and to increase scientific effectiveness and publication activity.				RO6
3	Educational technologies in higher and postgraduate education institutions	Formation of theoretical foundations on the basic concepts and theories of educational technologyin education; skills of development and implementation of modern educational technologies in the educational process; analysis and evaluation of the effectiveness of educational technologies; application of innovative technologies in the transformation of educational practices; designing curricula and courses using digital tools and artificial intelligence, taking into account students' needs and educational goals;critical analysis of existing educational practices and technologies, the ability to propose improvements and work in a team, interact with colleagues and share experiences in the field of educational technologies.	DB	UC	3	RO1 RO2
4	Pedagogical practice	Develops and organizes classes with master's students	DB	UC	10	RO1

ONTÚSTIK QAZAQSTAN
MEDISINA **SKMA** SOUTH KAZAKHSTAN
AKADEMIASY MEDICAL
«Оңтүстік Қазақстан медицина академиясы» АҚ ACADEMY
АО «Южно-Казахстанская медицинская академия»

Educational and methodological Center

Educational program

10 page 13

		(at least 10 classes). Participates and analyzes training sessions conducted by teachers of the department. Participates and analyzes the scientific and methodological seminars, conferences. Conducts practical activities with students in the scientific circle. Composes articles of scientific and methodical character. Compiles a report on scientific and pedagogical practice.				RO6
	Optional component				**3**	
5	Epidemiologic aspects of prevention of especially dangerous infections, including coronavirus infection.	Application of principles and methods of epidemiologic research. Epidemiologic assessment of particularly dangerous infectious diseases at the national and international levels. Epidemic surveillance and methods of control and prevention of these diseases. Documents regulating measures for prevention and control of quarantine and other particularly dangerous infections.	DB	OC	3	RO4
6	Leadership, partnership, and Human resource management.	Developing the ability to lead effectively in an academic and professional environment; learning the principles and practices of successful partnerships in organizations, including interdisciplinary collaboration; learning methods and tools for personnel management, including recruitment, development, motivation and evaluation of employees; developing skills for forming and managing highly effective teams that contribute to achieving organizational goals and highlighting ethical issues and social responsibilities in the context of	DB	OC		RO2 RO5 RO6

ONTÜSTIK QAZAQSTAN
MEDISINA
AKADEMIASY
«Оңтүстік Қазақстан медицина академиясы» АК

SKMA

SOUTH KAZAKHSTAN
MEDICAL
ACADEMY
АО «Южно-Казахстанская медицинская академия»

Educational and methodological Center
Educational program

11 page 13

		leadership and management.				
		Cycle of profile disciplines			**20**	
		University component			**17**	
7	Applied statistics	Methods of analysis of empirical information. Methodological and digital tools for descriptive and analytical 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.	AP	UC	· 3	RO1 RO4
8	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. Development of strategy and documentation in the management of personnel and project teams.. 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.	AP	UC	4	RO1 RO2 RO5 RO6 RO7
9	Research practice	Study of the latest theoretical, methodological and technological achievements of domestic and foreign science, as well as consolidation of practical skills,	AP	UC	10	RO3 RO4 RO5

ONTÚSTIK QAZAQSTAN · SOUTH KAZAKHSTAN
MEDISINA · SKMA · MEDICAL
AKADEMIASY · ACADEMY
«Оңтүстік Қазақстан медицина академиясы» АҚ · АО «Южно-Казахстанская медицинская академия»

Educational and methodological Center

Educational program

12 page 13

		application of modern methods of scientific research, processing and interpretation of experimental data in dissertation research.				
		Optional component			**3**	
10	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. Development of risk management strategies and programs, monitoring of medical services using digital technologies and artificial intelligence	AP	OC	3	RO2 RO4 RO5 RO7
11	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.	AP	OC		RO2 RO4

ONTÜSTİK QAZAQSTAN — SOUTH KAZAKHSTAN
MEDISINA — MEDICAL
AKADEMIASY — ACADEMY
«Оңтүстік Қазақстан медицина академиясы» АҚ — АО «Южно-Казахстанская медицинская академия»

Educational and methodological Center

Educational program

13 page 13

		Research work			123	
13	Doctoral student's research work, including internship and doctoral dissertation fulfillment	Conducting independent research and working for scientific results. Forecasting the results of innovation activities. Analysis, evaluation and synthesis of new complex ideas. Publication of research results in international academic publications.			123	RO1 RO2 RO3 RO4 RO5 RO6 RO7
		Final certification			12	
14	Writing and defense of doctoral dissertation	Assessment of learning outcomes and key competencies achieved upon completion of the study of the educational program of doctoral studies.			12	RO1 RO2 RO3 RO4 RO5 RO6 RO7
		TOTAL			180	