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**Approved by the Academic Council
NJSC "Astana Medical University"
Protocol No. 5 dated May 10, 2023
Updated by the decision of the Academic
Council Protocol No. 6 dated May 24, 2024**

**EDUCATIONAL PROGRAM
6B10119 "PUBLIC HEALTH"**

Astana, 2024

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Educational Program Passport

Field of Education	Healthcare
Training Area	Public Health
Educational Program Group	B089
Educational Program Title	«Public Health»
Purpose of the Educational Program	Training specialists capable of meeting societal needs in the field of public health, applying and advancing innovative information technologies in practice and research to improve population health.
Type of Educational Program	Active
Qualification Level per National Qualifications Framework	6
Qualification Level per Sectoral Qualifications Framework	2.2 Subsector "Public Health" (https://nrchd.kz/ru/2017-03-12-10-51-13/ork-i-profstandarty)
Distinctive Features of the Educational Program	-
Conferred Academic Degree	Bachelor of Healthcare in "Public Health"
Duration of Study	September 2023 – June 2028 (5 years)
Higher Education Profile	
Mission of the Educational Program	Training competitive specialists in compliance with established requirements and standards, focusing on public health, ensuring sanitary and epidemiological well-being, and improving the quality of preventive work and the organization of practical and scientific activities.
Accreditation and Certification of the Educational Program	Available
Admission Requirements	Based on general secondary education, technical and vocational education, or post-secondary medical education.
Graduate's Qualification Characteristics	
List of Professional Positions	<p>Specialist in sanitary and epidemiological control committees</p> <p>Epidemiologist</p> <p>Healthcare Manager</p> <p>Medical Statistician</p> <p>Methodologist</p> <p>Social Work Specialist in Healthcare</p> <p>Specialist in Sanitary-Hygienic Laboratories</p> <p>Employee of Bacteriological and Toxicological Laboratories</p> <p>Medical College Instructor</p> <p>Public Health Researcher</p> <p>Expert in engineering and expert services with the right to carry out activities such as reviewing urban planning, pre-design, and design documentation in the sanitary-epidemiological field.</p>
Professional Activity Areas	Healthcare, social protection, education, science, public

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	administration, urban planning, food industry, occupational safety.
Functions of Professional Activities	<ul style="list-style-type: none"> - Management (administration) - Planning, monitoring, and evaluating health programs - Research and analysis for managerial decision-making - Prevention and health improvement - Accounting, control, and regulation in healthcare - Education - Information dissemination
Types of Professional Activities	<ul style="list-style-type: none"> - Organizational and managerial - Information and analytical - Accounting and statistical - Regulatory and control, including sanitary-epidemiological audits - Sanitary and educational - Scientific research - Pedagogical

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1. Graduate competencies and learning outcomes

1.1 EP Competencies

№	Competencies	LO	№ LO
General Competencies			
1	Communication	LO 1	Builds effective intersectoral collaboration with authorities, organizations, the population, community members, and media to effectively address public health issues using modern information technologies.
		LO 2	Possesses skills in organizing workforces, managing human resources, setting goals, prioritizing activities.
Professional Competencies			
2	Continuous professional education	LO 3	Capable of lifelong learning throughout their professional career.
		LO 4	Promotes the creation and dissemination of knowledge and practical skills applicable to health. Thinks critically and effectively presents information, applying critical thinking skills to analyze and solve problems and make evidence-based decisions to improve work outcomes and quality.
3	Normative and legal documentation.	LO 5	Knows and applies in practice the regulatory legal acts of the Republic of Kazakhstan on health protection, sanitary and environmental legislation, and the legal foundations of state sanitary-epidemiological service specialists.
		LO 6	Capable of maintaining the recordkeeping and reporting documentation required in healthcare organizations.
4	Environmental and health monitoring	LO 7	Conducts monitoring, analysis, and assessment of data on the quality of the environment, health status, population's sanitary-epidemiological well-being, healthcare organization performance indicators, and evaluates information on patient satisfaction with medical care (availability, volume, and quality).
5	Public Health and Healthcare	LO 8	Develops, organizes, and conducts sanitary-epidemic and preventive measures for health promotion, prevention of infectious, parasitic, and non-communicable diseases, and evaluates their effectiveness.
		LO 9	Researches, analyzes, and assesses the quality indicators of various environmental objects and formulates recommendations to mitigate adverse impacts.
		LO 10	Assesses the epidemiological situation, investigates outbreaks, diagnoses

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			epidemiological conditions, and prescribes disinfection, disinsection, and deratization measures in infectious disease outbreak areas. Evaluates immunoprophylaxis effectiveness among the population.
		LO 11	Identifies risks of importing infectious diseases from abroad into Kazakhstan and/or the occurrence of infectious disease cases.
6	Sanitary and epidemiological control and supervision	LO 12	Organizes sanitary-epidemiological monitoring of environmental conditions, drinking water, food products, oversight of life activity objects, and border protection to prevent the importation and spread of especially dangerous infections, developing measures to ensure sanitary-epidemiological well-being, including during emergencies.
		LO 13	Conducts epidemiological oversight and control of preventive and anti-epidemic measures for infectious and parasitic diseases.