



«АККРЕДИТЕУ ЖӘНЕ РЕЙТИНГТІҢ  
ТӘУЕЛСІЗ АГЕНТТІГІ» КЕМ

НУ «НЕЗАВИСИМОЕ АГЕНТСТВО  
АККРЕДИТАЦИИ И РЕЙТИНГА»

INDEPENDENT AGENCY FOR  
ACCREDITATION AND RATING

**REPORT**  
**on the results of the work of the external expert**  
**commission for assessment for compliance with the**  
**requirements of specialized accreditation standards of**  
**magistracy specialty**  
**6M110200 / M140 "Public health"**  
**JSC "South Kazakhstan Medical Academy"**  
**May 25 - May 27, 2020**

**INDEPENDENT AGENCY FOR ACCREDITATION AND RATING  
EXTERNAL EXPERT COMMISSION**

**Addressed to the IAAR  
Accreditation Council**



Независимое агентство  
аккредитации и рейтинга

**REPORT**

**on the results of the work of the external expert commission for  
assessment for compliance with the requirements of specialized  
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**6M110200 / M140 "Public health"**

**JSC "South Kazakhstan Medical Academy" May 25 - May 27, 2020**

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## **I. LIST OF SYMBOLS AND ABBREVIATIONS**

**JSC "SKMA"** - Joint Stock Company "South Kazakhstan Medical Academy"

**BD** - basic disciplines;

**BME** - basic medical education;

**ITQC** – Intramural training quality control

**SAC** - State Attestation Commission

**SCES** - State Compulsory Education Standard for Medical Specialties 2015

**IC** - individual curriculum

**QCES**- quality control of educational services

**CTPC** - computer test, publishing center

**CSC** - catalog of elective disciplines

**NCC** - scientific and clinical council

**EP** - educational program in the specialty M 140 "Public health"

**TS**-Teaching staff - faculty

**WC** - working curriculum

**QMS** - quality management system

**IWMS**- independent work of a master student

**SRMP** - independent work of a master's student with a teacher

**TC**- typical curriculum

**ECSD** - educational clinical simulation department

**UMKD** - educational and methodological complex of disciplines

**UMC** - educational and methodological center

**SC** - Scientific Council

**CMC** - Cycle Methodical Commission

## II. INTRODUCTION

According to the the order of the Independent Agency for Accreditation and Rating (hereinafter - IAAR) No. 32-20-OD dated 04/21/2020, in JSC "South Kazakhstan Medical Academy" (hereinafter - the Academy) an external expert commission assessed the compliance of educational activities with the standards of the initial accreditation IAAR educational program in the specialty magistracy 6M110200 / M140, OP magistracy "Public health".

The report of the External Expert Commission (hereinafter referred to as WEC) contains an evaluation of the training programme of the Master's Degree, 6M110200/M140 "Public health"., The criteria of the NAA and recommendations of the EEC for further improving the activities of the Academy.

### EEC composition:

<b>Chairman of the commission</b>	Omarkulov Bauyrzhan Kadenovich, Candidate of Medical Sciences, Associate Professor, NJSC "Medical University of Karaganda" (Karaganda)
<b>Foreign expert</b>	Marina Alekseevna Kanushina, Director of the "AS Institute of international Education ", PhD, MBA. (Prague, Czech Republic);
<b>Expert</b>	Ivanchenko Nellya Nikolaevna, candidate of medical sciences, Kazakh National Medical University named after S.D. Asfendiyarov (Almaty);
<b>Expert</b>	Aimbetova Gulshara Ergazyevna, Candidate of Medical Sciences, Associate Professor, Kazakh National Medical University. S. D. Asfendiyarova (Almaty city);
<b>Expert</b>	Shukirbekova Alma Boranbekovna, Doctor of Philosophy, Associate Professor, JSC "Astana Medical University" (Nur-Sultan);
<b>Expert</b>	Dmitry Matyushko, PhD, NJSC "Medical University of Karaganda" (Karaganda);
<b>Expert</b>	Stepkina Elena Leonidovna, PhD in Pharmacy, Kazakhstan Medical University "Higher School of Health" (Almaty);
<b>Employer</b>	Rysmakhanov Nuradil Makhanbetkhanovich, Multidisciplinary Medical Clinic "JAK-med" (Shymkent);
<b>Student</b>	Sattarkhan nel Aydargyzy, member of the Alliance of Students of Kazakhstan, International University SILKWAY University (c. Shymkent);
<b>Observer of the IAAR from</b>	Aimurzieva Aigerim Urinbaevna, Head of Medical Projects of the Agency (Nur-Sultan).

### III. REPRESENTATION OF SKMA JSC

JSC "South Kazakhstan Medical Academy" (hereinafter referred to as the Academy) is a leading medical institution of higher education institution of the country, which has been providing educational services in the market of Kazakhstan for over 40 years.

The Academy trains specialists in medical, pharmaceutical and engineering-pharmaceutical directions at the level of secondary technical vocational education (medical college), higher (bachelor's degree, internship), postgraduate education (master's degree, residency); at the level of continuous professional development of health care personnel (advanced training and retraining of medical and pharmaceutical personnel).

The Academy has a license from the Committee for Control in the Field of Education and Science of the Ministry of Education and Science of the Republic of Kazakhstan No. KZ36LAA00011387, dated March 28, 2018, for an unlimited period of time, for the right to carry out educational activities under the programs of technical and professional, higher and postgraduate education, according to which the Academy has the right to issue documents on state education; has a certificate of institutional accreditation issued by NAOKO from

12/24/2018, registration No. IA-A No. 0095. The certificate is valid on December 22, 2023. <http://ukma.kz/ru/obrazovatelnyj-protsess/institutsionalnaya-akkreditatsiya.html>, and also has a certificate of specialized (program) accreditation of the educational program in the specialty 6M110200 "Public health", issued by NAOKO on 25.04.2015, registered SA No. 0050/2.

The certificate is valid on April 24, 2020.

#### **Academy management system**

The rector of the Academy is Doctor of Medical Sciences, Professor Rysbekov Myrzabek Myrzashevich.

**The main task of the Academy** is to create the necessary conditions for obtaining higher professional education, postgraduate vocational education, aimed at the formation, development and professional development of an individual based on national and universal values.

#### **To accomplish the set tasks and goals, the Academy performs the following functions:**

- training of qualified specialists with higher and postgraduate medical and pharmaceutical education, provided for by legal acts in the field of education;
- training, retraining and advanced training of healthcare workers with higher professional education;
- organizing and conducting search, fundamental, applied scientific research on the problems of health care and medical education;
- organization of joint work with healthcare organizations on disease prevention;
- participation in the organization and conduct of scientific and educational events, exhibitions, seminars, conferences, trainings in the field of health care and medical education;
- development, publication and distribution of educational-methodical, scientific and scientific-practical literature, including on electronic media;
- organization and improvement of methodological support of the educational process;
- material and technical support, equipment in accordance with regulatory requirements for the organization of educational and scientific work;
- introduction of innovative educational technologies into the educational process;
- implementation of direct relations with foreign and international organizations and institutions, conclusion of agreements on cooperation in the field of education and scientific activities;

- sending students, undergraduates, residents, doctoral students, teachers to other states (including through exchange) for education, internships, research, exchange of experience and advanced training;

- participation in international scientific projects and grants.

Students and staff are provided with a high-speed Wi-Fi network, covering the area of all educational buildings and dormitories of the Academy. Each student and employee has a personal account to enter the Platonus information system, employees have personal access to the corporate portal for the implementation of electronic document management.

To improve the quality and speed of work, distance learning technologies based on Moodle have been introduced.

The Academy provides training in Kazakh, Russian and English in 34 departments at the undergraduate and postgraduate levels of education, in the following specialties:

**Undergraduate education:** <http://ukma.kz/ru/structure/fakultety/fakultet-farmatsii.html>;  
<http://ukma.kz/ru/structure/fakultety/meditsinskii-fakultet.html>

- 5B130100 / B086 "General Medicine"
- 5B130200 / B087 "Dentistry"
- 5B110100 / B084 "Nursing"
- 5B110200 / B089 "Public health"
- 5B110300 / B085 "Pharmacy"
- 5B074800 / B072 "Technology of pharmaceutical production"
- 5B074700 / B088 "Pediatrics"

**Postgraduate professional education: Master's degree in 4 specialties:**  
<http://ukma.kz/ru/obrazovatelnyjprotsess / poslevuzovskoe-obrazovanie.html>

- 6M110100 / M144 "Medicine"
- 6M110200 / M140 "Public Health"
- 6M110300 / M141 "Nursing"
- 6M110400 / M142 "Pharmacy"

**doctoral studies in 1 specialty:** <http://ukma.kz/ru/obrazovatelnyjprotsess / poslevuzovskoe-obrazovanie.html>

- 6D110400 / D 140 "Pharmacy"

**residency in 13 specialties:** <http://ukma.kz/ru/obrazovatelnyjprotsess / poslevuzovskoe-obrazovanie.html>

- 6R110300 / R 001 "Cardiology, incl. children's "
- 6R111300 / R 011 "Infectious diseases, incl. children "
- 6R111500 / R 037 "Neuropathology, incl. children's "
- 6R111900 / R 014 "Radiation diagnostics"
- 6R112700 / R 036 "General surgery"
- 6R114200 / R 030 "Pediatrics"
- 6R114400 / R 032 "Obstetrics and gynecology, including children"
- R 038 "Family Medicine"
- 6R110100 / R 039 "Therapy"
- 6R113500 / R 025 "Traumatology and orthopedics, including children"
- 6R112600 / R 017 "Anesthesiology and resuscitation, including children's"
- 6R113800 / R 028 "Otorhinolaryngology, including children"
- 6R113400 / R 024 "Oncology"

The quality of education and research at the Academy is ensured by a high level of infrastructure: 4 educational buildings with classrooms equipped with interactive equipment; scientific library with a reading room and an electronic library room; research laboratory "Medicinal plants and genomic research"; 2 hostels; 37 clinical sites.

Within the framework of integration into the European educational space in the context of the Bologna Process, on September 17, 2015, the Academy signed the Magna Carta of Universities in Bologna (Italy).

The Academy carries out active international cooperation in the field of medical education, science and practice with medical universities and research centers of the near and far abroad. The partners of the Academy are such universities as: Gdansk Medical University (Poland), etc.

In 2015, with active advisory, informational support Erasmus + Kazakhstan National Office SKMA first became a participant in the project Erasmus + 561857-EPP-1-2015-1-DE-EPPKA2-CBHE-JP

"Modernizing Health Education in Universities"

(ModeHEd) <http://erasmus.ukma.kz/ru/%D0%BC%D0%B5%D0%B6%D0%B4%D1%83%D0%BD%D0%B0%D1%80%D0%BE%D0%B4%D0%BD%D1%8B%D0%B5-%D0%BF%D1%80%D0%BE%D0%B3%D1%80%D0%B0%D0%BC%D0%BC%D1%8B-%D1%8E%D0%BA%D0%BC%D0%B0/>

As part of the development of a strategic partnership, in 2016 a memorandum of cooperation was signed with the Gdansk Medical University (Poland). 18 students and 44 employees of the Academy took part in international programs of academic mobility.

More than 60 students take part in international scientific conferences and research annually. So, on the initiative of the Academy, an international conference of the Foundation of the First President of the Republic of Kazakhstan has been held since 2017

The Academy participates in the implementation of republican programs and projects of scientific research in the field of health care. Over the past three years, the number of publications in publications indexed in authoritative databases of scientific information Thomson Reuters and Scopus has increased 6 times. In addition, 1 project of grant financing of the Ministry of Education and Science of the Republic of Kazakhstan "Comprehensive prevention and reduction of mortality from major cardiovascular diseases in primary health care, taking into account climatic, meteorological and environmental factors of the region" is being implemented. Since 2020, the employees of the Academy have been participating in the program-targeted financing project "National Program for the Implementation of Personalized and Preventive Medicine in the Republic of Kazakhstan".

From 2015 to the present, more than 50 scientific and technical programs and projects in the field of healthcare and medical education have been completed.

The dental clinic established on the basis of the Academy is equipped with modern medical and diagnostic equipment to provide medical care to the population of the city.

The passage of high-quality and professional practice of students is carried out at various bases in the Republic of Kazakhstan and abroad.

A significant contribution to the implementation of educational work and youth policy aimed primarily at the formation of a patriotic spirit, an active life position, as well as a healthy lifestyle for students and staff of the Academy is made by the Department for Social Issues and Youth Policy. The Academy operates:

- self-government organizations (student rector, vice-rectors and deans) and the Bolashak youth center



- creative circle "Shabyt"
- sports club "Barys"
- Women's Council "Aykurkem"
- ethnic club "Birlesu"
- debate club "Ziyaly Kazakh"
- KVN team "MedCity"
- Center for the fight against corruption "Sanaly Urpak"
- youth council of the hostel
- club for learning English "English club"

Also, students of the Academy take an active part in the republican associations of students of medical universities of the Republic of Kazakhstan "OKMA student Alliance", "Zhas Otan" and "KazMSA".

The effectiveness of the Academy's activities is confirmed by the reports of the commission for assessing the activities of the university, the successful passage of specialized accreditation.

Specialized accreditations have been passed at the national agency IQAA:

- 4 educational undergraduate programs;
- 4 specialties of magistracy; - 6 specialties of residency.

The national agency IAAR has passed specialized accreditation of 5 educational programs of the college.

In 2018, the Academy was marked by a high national rating and took 3rd place in the General Institutional Rating of Medical Universities of the Republic of Kazakhstan, in the rating of educational programs "magistracy" 1st place in the specialty "Pharmacy", 2nd place in the specialties "Medicine" and "Nursing" (NKAOK). ([Appendix 1](#))

According to the results of the rating of indicators of scientific and innovative activity in 2017, SKMA JSC takes the 2nd place among the medical universities of the Republic of Kazakhstan, and in 2018 the 3rd place.

The graduates of the Academy successfully work in all regions of Kazakhstan, as well as in the countries of near and far abroad. The percentage of graduates' employment from year to year remains at a high level (92%), which undoubtedly speaks of the recognition, demand and competitiveness of our specialists in the labor market.

Graduates of the Academy in different years headed the country's medical service: Vice Minister of Health of the Republic of Kazakhstan - Tsoi Alexey Vladimirovich; Head of the Cardiac Surgery Unit at the National Cardiac Surgery Center - Ermagambet Kuatbayev; General Director of Galamat Integra, DBA - Seitzhan Sypabekov; UNICEF Health and Nutrition Program Coordinator - Kanat Sukhanberdiev; the head of Johnson & Johnson in RK is Adilet Nazarbayev.

Also, graduates of the academy occupy leading positions in medical and preventive organizations in Shymkent, Turkestan region and other regions of the Republic of Kazakhstan.

Graduates of the magistracy in the specialty "Public health" successfully carry out their activities and occupy leading positions: Abdrazakov Artur Uteteleuovich, master - director of the branch of the RSE on the PHV "National Center of Expertise" KKKBTU MH RK in the Turkestan region, Artykbaeva Indira Zhaparbekovna, master - head of LLP "Rehabilitation Center "Atameken", Kurbanhodjaev Yerlan Sansyzbaevich, Master - Deputy Head of the Department of Quality Control and Safety of Goods and Services of the Turkestan Region, Mynbayev Serik Ibragimovich, Master - Chief Physician of the Mental Health Center of the Mental Health Center of the Health Department of Shymkent, Kenzhekhanova Almagul Zhumarov Acting Head of the Department of the Pharmacy Committee of the Ministry of Health

of the Republic of Kazakhstan in the Turkestan region, Dauytov Turekhan Bekbulatovich, Master - Department of the Labor, Social Protection and Migration Committee of the Ministry of Labor and Social Protection in Shymkent, Deputy Head for Medical and Social Expertise, Dauey Bauyrzhan Kalmakhanbetuly - Director of the Dau-Med Medical Center.

The graduating department of the EP is the Department of Social Medical Insurance and Public Health - Head of the Department, Candidate of Medical Sciences, Acting Associate Professor Sarsenbayeva Gulzat Zhanabaevna  
<http://ukma.kz/ru/structure/kafedry/kafedrasotsialnogo-meditsinskogo-strakhovaniya-i-obshchestvennogo-zdorovya.html>

Teachers who plan to ensure the educational process in the EP meet the qualification requirements, 100% of the teaching staff have academic degrees.

## **V. DESCRIPTION OF THE PREVIOUS ACCREDITATION PROCEDURE**

This educational program has not previously been accredited by the IAAR.

## **V. DESCRIPTION OF THE EEC VISIT**

The visit of the external expert commission (EEC) to SKMA was organized from May 25 to May 27, 2020. in accordance with the program agreed with the chairman of the EEC. Candidate of Medical Sciences, Associate Professor Omarkulov B.K. and approved by the Rector of the Academy, Doctor of Medical Sciences, Prof. Rysbekov M.M.

The commission examined the normative and educational-methodical documents on educational disciplines, including standard curricula, work programs, educational-methodical complexes and other materials provided by the university.

All materials requested by the commission were provided to SKMA on time and in full. In order to obtain objective information on assessing the activities of the Academy, members of the EEC used the following methods: visual inspection, observation, interviewing employees of various structural units, teachers, students, employers, questioning the teaching staff and students. On the part of the SKMA team, the presence of all persons indicated in the visit program was ensured. The 3-day program of visiting the EEC has been fully completed.

On May 24, 2020, a preliminary meeting of the IAAR EEC members took place. During the organizational meeting, they familiarized themselves with the goals of the visit, clarified the visit program, and assigned the responsibility of the EEC members. Two main clusters of EEC were identified, EP 6B10101 (5B130100) General Medicine; EP 6B10105 (5B110200 Public Health); EP 6B10104 (5V110100) Nursing; EP 6B101106 (5B110300) Pharmacy. This division is due to the large volume of work of the EEC and the need to visit the departments that implement the accredited educational programs. A brief review of reports on the specialized self-assessment of SKMA specialties was carried out, key issues were discussed, additional information was identified that must be requested from the university for validation and full awareness of the EEC members when conducting specialized accreditation.

In accordance with the visit program, on May 25, the EEC members held talks with the leadership of the academy, vice-rectors for directions, teachers, administrative and management personnel. A visual inspection of the objects of the accredited educational program was carried out. Meetings with leaders, heads of accredited educational programs. Online meeting with teachers of accredited EP and online questionnaire of teachers.

During the visit to the main divisions of SKMA, the staff presented presentations and answered questions from the experts of the EEC. So, the Registrar's Office informed about the

activities, demonstrated the work of the information system "Platonus" On the same day, meetings were held with the heads of the department for strategic development and international activities, the head of the department for social issues of youth policy, the head of the educational and methodological center, the head of the scientific and clinical department, the head of the personnel service ... On May 26, EEC members visited the graduating departments of accredited educational programs. Online meetings with students, in parallel on-line their questioning, online meetings with employers and in parallel online questioning of employers. According to the program of the visit of the External Expert Commission, the experts held an online meeting with alumni for all accredited programs.

In accordance with the accreditation procedure, an on-line survey of teachers and students was carried out. According to the results of a survey of teachers, in which 30 people took part, it was revealed that 100% of respondents noted that they are satisfied with the content of the educational program, 100% noted that the university provides an opportunity for continuous development of the potential of teachers, and more than 93% can actively use their own methods learning in the educational process. All respondents answered that the library has the necessary scientific and educational literature. 100% of the teachers who participated in the survey believe that the safety of work is ensured at the university. The majority of respondents (100%) are sure that their innovative activity is encouraged by the management and the same number are satisfied with the work on improving the qualifications of teaching staff. Many respondents are satisfied with the support of the management, both in terms of the development of new educational programs and motivational approaches. In general, the overwhelming majority of the respondents answered all the questions of the questionnaire positively and believe that this is an actively developing university with great growth opportunities and conditions for both teachers and staff, and for students.

An online survey of 48 teaching staff and 72 students of the Academy was carried out. According to the survey results, 83.3% of the responding students are satisfied with the relationship with the dean's office; 69.4% are satisfied with the level of accessibility and responsiveness of the university administration; 68.1% of respondents are satisfied with the availability of library resources.

87.5% are satisfied with rest rooms for students; 93% are satisfied with the overall quality of educational programs; 95.8% are satisfied with the quality of teaching; 97.2% are satisfied with the available computer classes; 11.1% agree with a well-structured course content; 18.1% agree that teaching staff provide material in an interesting form; constant appraisal and reflection of the course content 9.7% agree; 16.7% of the Academy's students are satisfied with the opportunity to go in for sports and other leisure activities.

The teaching staff who took part in the online survey noted that: satisfied with the content of the educational program - 95.2%; 95.2% availability of guidance for teaching staff; the involvement of teaching staff in making managerial and strategic decisions are satisfied with 91.7%; work on improving the qualifications of teaching staff was positively noted by 89.6%. 89.6% are satisfied with the possibility of combining teaching staff with research activities; 85.4% are satisfied with Internet access; 87.5% are satisfied with the material and technical equipment of classrooms; 89.6% were satisfied with the provision of benefits.

**May 27** visited: Regional Clinical Hospital, City Infectious Diseases Hospital, SKMA JSC building No. 2, Nursing hospital, City Clinical Hospital No. 1, Phyto-apipharm LLP, Zerde-Fito LLP, Research Center of Khimpharm JSC , RGKP "CSE" Institute of forensic examinations in Shymkent, LLP "Europharma". When visiting the clinical bases of educational programs, complete information was provided on the implementation of the educational process.

Thus, the commission visited all the clinical bases of the academy. All clinics of the Academy, in addition to accompanying the educational process, are designed to optimally meet the needs of the population in preventive, therapeutic and diagnostic, medical, social and drug care. They provide medical care within the framework of the state order for a guaranteed volume of medical care. Compliance of the Academy's clinical bases with regulatory requirements is analyzed based on the results of internal and external audits.

For the work of the EEC, comfortable conditions were created, access to all necessary information resources was organized. The Commission notes a good level of corporate culture of SKMA, a high degree of openness of the team in providing information to members of the EEC.

Recommendations for improving the activities of educational programs of accredited specialties of the university, developed by the EEC based on the results of the examination, were presented at a meeting with the leadership on May 27, 2020.

## **VI. COMPLIANCE WITH THE STANDARDS OF FIRST SPECIALIZED ACCREDITATION OF EDUCATIONAL PROGRAMS**

### **Standard 1. " MISSION AND FINAL TEACHING OUTCOMES "**

#### **Proof part**

Analysis of the self-assessment report, the materials presented and the results of meetings with specialists from specialized departments, faculty departments and target groups allow us to draw the following conclusions.

The mission of the EP is determined by the State Program for the Development of Education of the Republic of Kazakhstan for 2011-2020, the State Program for the Development of Healthcare of the Republic of Kazakhstan "Densaulyk" for 2016-2019, the strategic directions of JSC "South Kazakhstan Medical Academy" for 2019-2023, the corresponding state educational standards, mission and principles of the Academy.

Changes in the Strategic Development Plan of the University are approved on the basis of analysis and harmonization with external strategically important factors, such as the Decree of the President of the Republic of Kazakhstan dated February 1, 2010 No. 922 "On the Strategic Development Plan of the Republic of Kazakhstan until 2020", the Strategic Plan of the Ministry of Education and Science of the Republic of Kazakhstan for 2014-2023, Message and programmatic work of the First President of the Republic of Kazakhstan N.A. Nazarbayev to the people of Kazakhstan, Program "Digital Kazakhstan", Five institutional reforms, "Kazakhstan in a new global reality: growth, reforms, development" - "100 concrete steps" A modern state for all ", National program" Mangilik el ", Roadmap for the development of a trilingual Education, Decree of the President of the Republic of Kazakhstan dated February 15, 2018 No. 636 "On approval of the Strategic Development Plan of the Republic of Kazakhstan until 2025", "Kazakhstani way 2050: common goal, common interests, common future."

Mission of the Academy: Training of highly qualified competitive medical and pharmaceutical specialists for the Southern region and the country as a whole, based on the achievements of modern science and practice, ready to adapt to rapidly changing conditions in the medical and pharmaceutical industry through continuous improvement of competence and development of creative initiative.

The vision of the university: An effective system of medical and pharmaceutical education, based on a competency-based approach and the needs of practical healthcare and the pharmaceutical industry, focused on training specialists who meet international quality and safety standards.

The basic ethical principles that SKMA relies on to implement its mission: The principle of high professionalism of the teaching staff of SKMA is a constant improvement of their knowledge and skills, ensuring the provision of quality educational services to students at all levels of training. The principle of quality in SKMA is the implementation of the concept of modernization of Kazakhstani education, the main direction of which is to ensure the modern quality of education based on maintaining its fundamentality and compliance with the actual and future needs of the individual, society and the state, which is ensured by the use in the educational process, research activities and consulting -diagnostic work of innovative technologies and new achievements of science and practice. The principle of educational orientation is the implementation of a student-centered educational process along flexible trajectories of educational programs, taking into account rapidly changing economic conditions and modern trends in the labor market, creating the most effective conditions for students for their professional growth, developing motivation and monitoring learning outcomes, continuously updating educational programs. expanding the scope of knowledge and competencies required for effective professional activity.

The standard presents the goal of the EP - the training of scientific, pedagogical and management personnel capable of carrying out evidence-based professional activities in the field of public health, capable of carrying out a comprehensive assessment and monitoring of the health status of the population, identifying factors that determine public health, and developing measures to preserve and promote health population, put them into practice and evaluate their effectiveness.

The EP model is built on a modular-credit basis, competencies are developed and presented at the master's level.

The EP complies with the regulatory requirements adopted at the national level, agreed with the National Qualifications Framework, the European Qualifications Framework based on Dublin descriptors, the Resolution of the Government of the Republic of Kazakhstan dated May 13, 2016 No. 292 "On Amendments and Additions to the Resolution of the Government of the Republic of Kazakhstan dated August 23, 2012 year № 1080 "On approval of the state compulsory education standards of the corresponding levels of education."

The training of undergraduates is carried out in accordance with the order of the Minister of Education and Science of the Republic of Kazakhstan dated October 13, 2018 No. 569 On approval of the Classifier of areas for training personnel with higher and postgraduate education.

The Academy has approved an internal document "Regulations on Master's and Doctoral Studies".

The academy's organizational structure, processes and decision-making policies are clear and consistent with its mission and support the effectiveness of the organization. The academy's governance system involves the participation of all stakeholders, including the health sector, student representatives, and reflects the responsibility of the academy leadership. The Academy provides an opportunity for students to actively participate in the work of structural units that affect the quality of educational programs (Academic Council, UMC, student government).

Freedom in the formation and implementation of an educational program is achieved through an optional component, the disciplines of which are offered by the departments in the catalog of elective disciplines. The department independently determines the forms of conducting classes, uses a variety of teaching methods, applies methodological materials, offers forms of monitoring and assessing the educational achievements of undergraduates. Into the content

EP can be amended and supplemented, which are discussed at the meetings of the department and the Scientific Council. In addition, the department independently determines the

needs for providing the educational process with the necessary resources and draws up applications for the purchase of office equipment, laboratory equipment, consumables, educational literature and other information resources.

The academic freedom of the undergraduate is achieved through the choice of elective EP disciplines, the choice of the educational trajectory, the direction of scientific research, and the supervisor.

Thus, the implementation of the EP is aimed at preparing qualified specialists for science and practice, which corresponds to the mission and vision of the Academy and supports the quality of education.

### **Analytical part**

Experts point out that the current quality assurance policy of the university reflects the relationship between research, teaching and learning. The experts were also convinced that at the current stage of its activity, the university's management system is focused on the development of strategic planning, the use of modern management methods, a multilateral internal quality assessment and continuous improvement.

*According to standard 1 " MISSION AND FINAL TEACHING OUTCOMES " strengths:*

#### **1.1 Definition of the mission of the educational program**

1. The Mission of the OP is defined.
2. Interaction with teaching staff, undergraduates, employers to define and accept the mission of the EP.

#### **1.2 Institutional autonomy and academic freedom**

3. Creation of academic freedom in choosing EP for a master's student
4. Training of specialists in a demanded profession based on the needs of the region for medical personnel.
5. Compliance of the university's activities with the requirements of the quality management system.

**The area for improvement is** - *conducting a SWOT analysis to improve the quality of the implementation of master's programs, assessing the strengths and weaknesses, on the basis of which the administration, together with the advisory board, should determine the policy and develop a strategic development plan.*

*Information on strategic planning should be publicly available on the university website.*

### **EEC recommendations**

#### **1.3 Learning outcomes**

1. Improving the website of the university to raise awareness of all stakeholders in the implementation of the university's mission and educational program.
2. Allocation of additional material resources to improve the university website.

**EEC conclusions by criteria:** *(strong / satisfactory / suggests improvement / unsatisfactory)*

In general, according to this Standard, the organization's activities meet the specified criteria.

Quantitative indicators reflecting the organization's compliance with the Standard's criteria are as follows: *strong positions - 10, satisfactory - 7, suggest improvements - 0, unsatisfactory - 0.*

## **Standard 2. " SCIENTIFIC-RESEARCH ENVIRONMENT AND EDUCATIONAL RESOURCES "**

### **Proof part**

The success of the EP at the Faculty of Public Health of the Academy is ensured by the presence of a strong and effective research environment that contributes to the development and formation of research skills of undergraduates. Its main goal, in accordance with the Law of the Republic of Kazakhstan "On Education" and the State Educational Standard of the Republic of Kazakhstan, is to train highly specialized scientific and pedagogical personnel for the system of higher and postgraduate education, for the research sector and practical health care.

The organization of a strong and effective research environment consists in a combination of a strong competence level of scientific leaders and consultants, a high-tech research resource base (Research Laboratory of Medicinal Plants and Research Laboratory of the Department of Pharmaceutical and Toxicological Chemistry), cooperation with leading medical research organizations and institutions Kazakhstan, near and far abroad: Gdansk Medical University (Gdansk, Poland); Institute for Biomedical Research, University of Barcelona (Spain);

Pamukkale University (Denizli, Turkey).

In order to implement the EP, improve fundamental knowledge, highly qualified visiting professors from the CIS countries and far abroad are involved. Within the framework of the program of visiting professors from the Bukhara State Medical Institute named after Abu Ali Ibn Sino, professor of the Department of Infectious Diseases Abdurashid Rakhimovich Oblakulov gave lectures for students of the educational program (10-16.05.2018)

Also, within the framework of the visiting professors program, in the period from 19.04.2019 to 26.04. 2019 master classes were held by the doctor of neurophysiology and master of biophysics, winner of the John and Sophia Prokop prize, member of the American Society for Neurophysiological Control Alexander Razumovsky, vice president and director of NeuroCare SpecialtyCare.

The listeners got acquainted with new scientific data in the field of cerebral hemodynamics research, the rationale for the formation of EEG and its diagnostic value and other pathological conditions.

The Federal State Institution of Science, the Institute of Higher Nervous Activity and Neurophysiology of the Russian Academy of Sciences and the State Institution "Republican Specialized Scientific and Practical Medical Center for Surgery named after V. Vakhilov" of the Ministry of Health of the Republic of Uzbekistan have been cooperating with the Academy since 2018. Students of the Academy traveled within the framework of academic mobility.

The Bukhara State Medical Institute named after Abu Ali Ibn Sino (Republic of Uzbekistan, Bukhara) has been cooperating with the Academy since 2017. Students of the Academy of Medical Specialties undergo scientific training. The incoming and outgoing mobility of the teaching staff involved in the implementation of the OP is implemented.

Also, a Memorandum was concluded with the Bashkir State Medical University (Ufa, Russia) - in 2017, the Memorandum of Cooperation was reissued. In 2019, the head of the Department of Infectious Diseases and Dermatovenereology Abuova G.N. went with a training

program. Associate Professor of the Department Berdalieva Farida Abdullaevna, in within the framework of the concluded Agreement, I traveled with a training program from the Research Institute of Children's Infectious Diseases in St. Petersburg.

In the framework of scientific cooperation with the Bashkir State Medical University (Ufa, RF), scientific research is carried out on the synthesis and standardization of biologically active compounds, and master's theses are being carried out.

In 2017, the agreements on cooperation with the Tashkent Pediatric Institute and the Tashkent Medical Academy were reissued. At TashPMI and TashMA, undergraduates have repeatedly passed scientific training on research topics.

International cooperation is a prerequisite for the successful implementation of scientific research in the implementation of EP in medicine, cooperation in the field of scientific and technical information, registration of joint patents, etc.

On the basis of contracts and memorandums with leading medical universities in Kazakhstan, the following is carried out:

- exchange of students and teachers within the framework of academic mobility;
- passing practice and internships for students;
- participation in conferences, publication of abstracts and reports, etc.

The Academy, in accordance with the Strategic Plan of the Ministry of Health of the Republic of Kazakhstan for 2017-2021, the creation and strengthening of international relations with leading universities, research, institutions and production organizations of the near and far abroad in the field of medicine and pharmacy signed bilateral agreements on cooperation with medical and pharmaceutical universities and organizations of the Republic of Kazakhstan:

- Kazakh National Medical University named after S. D. Asfendiyarov;
- Astana Medical University;
- Karaganda State Medical University;
- Kazakh-Russian Medical University;
- Kazakh National University named after Al-Farabi;
- West Kazakhstan State Medical University named after M. Ospanov;
- State Medical University of Semey;

**Russian Federation:**

- Sechenov University, Moscow;
- Bashkir State Medical University, Ufa;
- Tyumen State Medical Academy

**CIS:**

- Tashkent Medical Academy;
- Bukhara State Medical Institute named after Abu Ali Ibn Sino;
- Kyrgyz-Russian Slavic University named after B.N. Yeltsin, Kyrgyzstan;
- Kyrgyz State Medical Academy named after I.K. Akhunbaev.

**Far abroad:**

- Medical University of Gdansk, Poland;
- Medical University of Lublin, Poland;
- Vienna Medical University (VNU), Austria;
- University of Transylvania Brasov, Romania;
- Charles University in Prague, Czech Republic (Faculty of Medicine);
- Tuscany University in Viterbo, Italy;



- University named after Necmettin Erbakan, Konya, Turkey.
- Medical and Pharmaceutical University named after Iuliu Hatieganu (Iuliu Hatieganu) Cluj Napoca, Romania;
- Medical University named after Sh. Beheshti (Tehran, Iranian Islamic Republic).

### **Analytical part**

In the Academy, for the implementation of the main tasks of training masters, it is the preparation of domestic scientists who are competitive both domestically and in the international labor market, the Academy ensures that undergraduates acquire the necessary knowledge and competencies based on the study of basic and specialized disciplines, the formation of skills and , research) practice and when performing research. Master's degree studies are conducted by persons who have a doctorate or candidate of sciences, PhD. The highly professional level of teachers, scientific leaders, consultants is confirmed by the fact that 100% of the teaching staff have academic degrees of doctor or candidate of sciences, extensive experience in the field of higher education, and participation in the implementation of research projects of various levels.

It should be noted that many faculty members involved in the implementation of the EP and are consultants for master's theses have a non-zero Hirsch index

(ThomsonReuters, Scopus, Web of Science, Google Scholar, RSCI)

The Academy is working to attract external funding in the form of grants from the Ministry of Education and Science of the Republic of Kazakhstan, which contributes to the development of research skills and material support of the Academy, part of scientific research is carried out at the expense of grant research projects.

***According to standard 2 " SCIENTIFIC-RESEARCH ENVIRONMENT AND EDUCATIONAL RESOURCES ", the commission noted the following strengths:***

#### ***2.1 Research environment***

1. Providing an effective research environment.
2. The growth of publications in indexed publications.
3. The implementation of the educational program is planned and carried out jointly with the supervisor and with the general responsibility of the supervisor and the master's student for the final results.

*The area of improvement is the improvement of the information system, the quality of communication, information portals used at the university for uninterrupted access of undergraduates, teaching staff and students to library and other resources used in research activities.*

***EEC conclusions by criteria: (strong / satisfactory / suggests improvement / unsatisfactory)***

In general, according to this Standard, the organization's activities meet the specified criteria.

Quantitative indicators reflecting the organization's compliance with the Standard's criteria are as follows: ***strong positions - 24, satisfactory - 8, suggest improvements - 0, unsatisfactory - 0.***

### **Standard 3. "ADMISSION POLICY AND CRITERIA "**

#### **Proof part**

At the Academy, admission to the EP is carried out in accordance with the Order of the Minister of Education and Science of the Republic of Kazakhstan dated June 14, 2019 No. 269 On Amending the Order of the Minister of Education and Science of the Republic of Kazakhstan dated October 31, 2018 No. 600 "On Approval of the Model Rules for Admission to Education in educational organizations implementing educational programs of higher and postgraduate education ": based on the results of comprehensive testing. Also in the Rules of admission to for the master's program, a policy of admission and selection of applicants has been defined and implemented, the technology of admission, the work of the selection committee are described.

Persons are enrolled in the magistracy based on the results of CT in accordance with the Scale of the 150-point grading system for CT in the magistracy. On a competitive basis, persons who have scored the highest CT scores are enrolled in training on a state educational order.

The procedure for determining the number of admitted undergraduates is determined by the results of comprehensive testing of applicants who have chosen the Academy and the maximum allowable load on managers and teaching staff, the provision of educational, methodological and scientific literature, the throughput capacity of laboratories and research bases, as well as the material and technical resources of the Academy.

The formation of the contingent of students is formed on the basis of the Order of the Ministry of Education and Science of the Republic of Kazakhstan No. 606 dated October 31, 2018 On approval of the average ratio of the number of students to teachers for calculating the total number of teaching staff.

Admission of undergraduates is carried out by placing a state educational order for training personnel in scientific, pedagogical and specialized areas, as well as paying for training at the expense of students' own funds and other sources.

Improvement of the educational program is implemented through the participation and support of external stakeholders in determining the professional competencies of undergraduates, the list and content of elective disciplines, practical skills, in assessing professional competencies, providing them with the bases for practical classes, practices, their participation in the IGA, assistance in recruiting materials of scientific works, providing methodological assistance to undergraduates.

#### **Analytical part**

The Academy implements an admission policy in accordance with the regulatory legal acts and the established regulatory documents of the Republic of Kazakhstan.

### **According to standard 3 "ADMISSION POLICY AND CRITERIA "**

**3.1 The medical education organization must define and implement an admission policy, including a clearly established provision for the selection process for undergraduates.**

- admission is carried out in accordance with the regulatory legal acts of the Republic of Kazakhstan and the established regulatory documents of the SKMA.

*EEC conclusions by criteria: (strong / satisfactory / suggests improvement / unsatisfactory)*

In general, according to this Standard, the organization's activities meet the specified criteria.

Quantitative indicators reflecting the organization's compliance with the Standard's criteria are as follows: *strong positions - 3, satisfactory - 3, suggest improvements - 0, unsatisfactory - 0.*

#### **Standard 4. "MASTER'S PROGRAM"**

##### **Proof part**

The training of specialists in the magistracy is carried out in the scientific and pedagogical direction. Scientific and pedagogical training in the magistracy is focused on research and teaching activities. The normative duration of mastering the master's degree program is 2 years. The preparation of undergraduates is carried out in specialties included in the classifier of specialties of higher and postgraduate education of the Republic of Kazakhstan.

The South Kazakhstan Medical Academy implements the educational program of the specialty 6M110200 / 140 "Public health", goals, objectives, organization of the educational process, taking into account the list of vocational training specializations and is a set of regulatory documents developed on the basis of the State Educational Standard of the Republic of Kazakhstan and model programs of disciplines, instructional letters, approved by MES RK and MH RK.

The training of personnel in the Master's program of the specialty - "Public health" is carried out in the scientific and pedagogical profile. The educational model in the master's program is integrated with the bachelor's program in the specialty "Public health" and is carried out according to an individually chosen trajectory by a master's student according to an individual plan.

The implementation of the Master's degree program "Public Health" is carried out according to the competence-oriented model of medical education, in the context of the trinity: science, practice, education.

The responsibility of the administration and teaching staff in the preparation of the educational program is ensured through the procedure for reviewing and approving these programs: the department meeting, the Academic Council of the Academy.

Preparation of undergraduates in this specialty is mainly carried out at the departments of the Academy.

According to the implementation of the educational program of the specialty 6M110200 / M140 - "Public health", the implementation of research work is guaranteed, the end result of which is a master's thesis.

At the university, the implementation of the original research of the undergraduate is ensured by his participation in the implementation of research work of departments or the university, funded by the Ministry of Education and Science of the Republic of Kazakhstan, by intra-university grants.

The developed elective disciplines complement and deepen the competencies being formed.

The scientific guidance necessary for the effective achievement of the goals and objectives of the Master's program in the specialty "Public Health" is carried out with the mutual consent of the head and the master's student.

The program of the scientific and pedagogical magistracy "Public Health" has a duration of study - 2 academic years and consists of 4 academic semesters, each semester - 15 weeks, ending with intermediate certification, upon completion of the full course of study - a final control is carried out.

Education in the magistracy is carried out only full-time.

Accounting for the labor intensity of educational work is carried out according to the volume of mastered material and is measured in credits.

Pedagogical practice has the goal of mastering, in-depth study and consolidation of theoretical training and the acquisition of practical skills and competencies by a master's student in the field of pedagogical activity.

When organizing the educational process using credit technology of education, the volume of each academic discipline is a whole number of credits. The cycle of basic disciplines (DB) consists of disciplines of a university component and an optional component.

In the magistracy of the scientific and pedagogical direction, the volume of the DB cycle is 29% of the total volume of the educational program of the magistracy or 35 academic credits. Of these, 57% or 20 academic credits are allocated to VC.

In the magistracy of the scientific and pedagogical direction, the volume of the PD cycle is 41%, or 49 academic credits of the total volume of the educational program of the magistracy.

In the master's program of the profile direction, the volume of the BD cycle is 17% of the total volume of the educational program of the master's program or 10 academic credits (with a study period of 1 year). Of these, the volume of VK disciplines is 60% or 6 academic credits (with a term of study of 1 year).

In the master's program of the profile direction, the volume of the PD cycle is 42%, or 25 academic credits (with a study period of 1 year) of the total volume of the master's educational program, which are divided between VK and CV at the discretion of the university.

Learning outcomes are defined on the basis of the Dublin Level 2 (Master's) descriptors and expressed through competencies. Learning outcomes are formulated both at the level of the entire program and at the level of a module, a separate discipline. Requirements for the key competencies of graduates of a scientific and pedagogical magistracy are aimed at understanding: the role of science and education; know the methodology of scientific knowledge; principles and structure of the organization of scientific activity; the ability to use the knowledge gained for the original development and application of ideas in the context of scientific research; skills in research activities, expanding and deepening knowledge necessary for daily professional activities and continuing education in the magistracy; competencies in the field of research methodology and scientific and scientific-pedagogical activities.

The final certification of a master's student is carried out in accordance with the State Educational Standard of Education in the form of passing a comprehensive exam and defending a master's thesis. Final certification is carried out within the timeframes provided for by the academic calendar and curricula of specialties, and in accordance with the Model Rules for the current monitoring of progress, intermediate and final certification of students in higher educational institutions, approved by order of the Minister of Education and Science of the Republic of Kazakhstan dated March 18, 2008 No. 125, registered in the Register of State Registration of Normative Legal Acts under No. 5191.

Undergraduates who have passed the final attestation and confirmed the development of the corresponding educational program of the magistracy, by the decision of the SAC, are awarded a "master" degree in the educational program and are issued a free state diploma with a

transcript, in the form approved by the order of the Minister of Education and Science of the Republic of Kazakhstan dated January 28, 2015 No. 39 " On the approval of the types and forms of education documents of the state standard and the Rules for their issuance "(registered in the Register of State Registration of Normative Legal Acts of the Republic of Kazakhstan under No. 10348).

At the university, the collection and analysis of information on the implementation of the EP is carried out on an ongoing basis, work is also carried out to identify and solve problems within the framework of the implementation of the EP. Feedback is carried out by questioning students.

### **Analytical part**

The Academy has implemented the basic principles of the Bologna Declaration: a transition to a three-level model of training specialists has been implemented, a credit training technology and a credit transfer system similar to the European Credit Transfer System (ECTS) have been introduced.

**According to standard 4 "Master's program" the following strengths are noted:**

#### **4.1 Curriculum model, teaching methods and structure**

1. An educational program based on competence-based oriented approach taking into account the trinity of science, practice and education.
2. Possibility of choosing an individual trajectory of training within the framework of the current state educational standard at the expense of elective disciplines.

#### **4.3 Stakeholder involvement**

3. The employment rate of undergraduates (100%) who graduated from the university directly testifies to the quality and effectiveness of EP in health care.

*The area for improvement is to develop an integrated model based on interdisciplinary communication, taking into account learning outcomes.*

#### **EEC recommendations:**

#### **4.3 Stakeholder involvement**

Collect and analyze proposals from representatives of practical health care, employers to evaluate the educational program and consider revising the EP, taking into account the proposals of representatives of practical health care and employers.

***EEC conclusions by criteria: (strong / satisfactory / suggests improvement / unsatisfactory)***

In general, according to this Standard, the organization's activities meet the specified criteria.

The quantitative indicators reflecting the organization's compliance with the Standard's criteria are as follows: ***strong positions - 17, satisfactory - 8, suggest improvements - 0, unsatisfactory - 0.***

## **Standard 5. "SCIENTIFIC GUIDANCE"**

### **Proof part**

To provide scientific and methodological assistance when working on a thesis, control over the implementation of work, provide, if necessary, psychological support, develop recommendations for the participation of undergraduates in the educational process, within two months after enrollment, each undergraduate is assigned to supervise a master's thesis (project) scientific supervisor from among candidates or doctors of sciences, or PhD doctors, or qualified specialists of the relevant industries with at least 5 years of work experience. The scientific advisor and the research topic of the undergraduate are approved by the decision of the academic council.

If the thesis is carried out at the intersection of various scientific areas, then scientific consultants are appointed for related branches of science.

Academic leadership is based on criteria for professional experience, research results, peer recognition and teaching experience. No more than five undergraduates are assigned to one supervisor in the magistracy at a time.

The standard provides a procedure for appointing a supervisor for a magistrant. The duties and responsibilities of the supervisor are clearly formulated. A complete package of regulatory legal acts for this standard is presented.

Scientific guidance is carried out in accordance with the Order of the Minister of Education and Science of the Republic of Kazakhstan dated June 17, 2015 No. 391 "On the approval of qualification requirements for educational activities, and the list of documents confirming compliance with them (with changes as of 06.11.2018)"

Themes of dissertations, supervisors and consultants of undergraduates of the EP during the first two months after enrollment are considered at meetings of specialized departments, the Scientific Council under the guidance of the Vice-Rector for Scientific and Clinical Work and are approved by the Academic Council of the Academy. The result of these statements is the corresponding order of the rector of the Academy. Themes of dissertations are aimed at priority areas for dissertation research, developed in accordance with the goals and objectives of the State Program for the Development of Healthcare "Densaulyk" for 2016-2020 and the scientific directions of the major departments.

In their activities, scientific advisors are guided by the current legislative acts of the Republic of Kazakhstan on science, Order of the Minister of Education and Science of the Republic of Kazakhstan dated October 31, 2018 No. 604 On approval of state compulsory education standards at all levels of education, Order of the Minister of Education and Science of the Republic of Kazakhstan dated October 30, 2018 No. 595 On approval of the Model Rules for the Activities of Educational Organizations of the appropriate types, Regulations on Master's and PhD Doctoral Studies.

The duties and rights of the scientific advisor are determined.

### **Analytical part**

Undergraduates are assisted in defining the topic and plan of dissertation research for subsequent approval by the Academic Council of the Academy. Together with the undergraduate, the Individual work plan of the undergraduate (IPR) is developed, systematic consultations on research work are carried out and systematically (at least twice a academic year) to assess the implementation of the undergraduate's research work. Timely and high-quality performance of

research work and delivery of reports on research work is ensured. Assistance is provided in the preparation and publication of research results in scientific journals, participation in international conferences for the presentation of research results.

### **Strengths according to Standard 5 "SCIENTIFIC GUIDANCE"**

**5.1 The medical education organization must appoint a scientific supervisor for each undergraduate student, and, if appropriate, a co-supervisor, to cover all aspects of the program.**

1. The Academy, within the framework of the implementation of the EP Master's program "Public Health", has a regulating process of discussion and approval of the supervisor and the research topic of the master's student, according to the State Educational Standard of Education.

2. The medical education organization must have mechanisms / procedures regulating the process of discussion and approval of the candidacy of the scientific supervisor and the research topic of the undergraduate in accordance with the standard requirements and SES.

3. The scientific supervisors of undergraduates, according to the schedule, carry out work on research and development work, research practice, scientific internship and conduct consultations with their students on a regular basis.

4. The master's student is trained according to the individual plan.

**EEC conclusions** - the criteria of the standard are fully disclosed, there are no recommendations.

**EEC conclusions by criteria:** (*strong / satisfactory / suggests improvement / unsatisfactory*)

In general, according to this Standard, the organization's activities meet the specified criteria.

Quantitative indicators reflecting the organization's compliance with the Standard's criteria are as follows: *strong positions - 6, satisfactory - 0, suggest improvements - 0, unsatisfactory - 0.*

### **Standard 6. "DISSERTATION"**

#### **Proof part**

Within two months after enrollment, each master's degree student is assigned a scientific advisor from among candidates or doctors of science, or PhD doctors to manage the master's thesis.

The scientific advisor and the research topic of the undergraduate are approved by the decision of the Academic Council of the Academy. An obligatory component of the master's program is research work, including the implementation of a master's thesis for a scientific and pedagogical master's program or experimental research work, including the implementation of a master's project for a specialized master's program.

The defense of a master's thesis and the passing of a comprehensive state exam take place publicly at a meeting of the State Attestation Commission.

The master's thesis is a scientific work with the unity of the internal structure, detailed and scientifically substantiated author's argumentation, as well as the logic of presentation, aimed at revealing the purpose and objectives of the research.

Master's theses at the university must be checked for plagiarism.

Requirements for the content and execution of a master's thesis, their preparation and defense are determined by the Rules for the organization, execution of a master's thesis, their preparation and defense. The master's thesis must be checked for plagiarism, the rules and procedure for which are determined by the Regulation on antiplagiarism.

The volume of the master's thesis must be at least 70 pages for the scientific and pedagogical direction and at least 50 pages for the profile direction. Appendices are not included in the specified volume of the master's thesis. The list of sources used should not exceed more than 20% of the total volume of the master's thesis.

The structural ratio of the theoretical, analytical and recommendation part of the master's thesis should be approximately equal (each section should be allocated from 25 to 35% of the total volume of the master's thesis). The most common omission is the overweight (number of pages) of the theoretical section.

The defense of a master's thesis includes the preparation of a master's thesis, its registration and defense procedure.

A master student who has not completed the research component is given the opportunity to re-master the credits of the research component and defend a thesis in the next academic year on a paid basis.

According to the Order of the Minister of Education and Science of the Republic of Kazakhstan dated October 31, 2018 No. 604 On the approval of state compulsory education standards for all levels of education, the main results of a master's thesis are presented in at least one publication and (or) one speech at a scientific and practical conference. Publications of undergraduates are reflected in the list of scientific papers (Form 3.3).

Abstracts of conferences, symposia, meetings, analytical reviews, information sheets with a volume of at least 0.3 pp can be equated to publications. and prepatents (patents).

### **Strengths according to Standard No. 6 "Dissertation"**

**6.3 The master's program must end with the preparation and defense of a master's thesis, which is an indicator of the formation of the master's student's competencies in accordance with the educational program.**

1. All procedures according to the standard, the processes of preparing a student's dissertation and its defense are clearly spelled out.

**EEC conclusions** - the criteria of the standard are fully disclosed, there are no comments.

**EEC conclusions by criteria: (strong / satisfactory / suggests improvement / unsatisfactory)**

In general, according to this Standard, the organization's activities meet the specified criteria.

The quantitative indicators reflecting the organization's compliance with the Standard's criteria are as follows: *strong positions* - 11, *satisfactory* - 0, *suggest improvements* - 0, *unsatisfactory* - 0.

## **Standard 7. EVALUATION OF DISSERTATIONS**

### **Proof part**

The final certification of students at the Academy is carried out within the timeframes provided for by the academic calendar and working curricula of educational programs in the form of passing a comprehensive exam and defending a master's thesis.



To receive the final attestation, the State Attestation Commission (SAC) is formed.

The SAC, as its members, includes persons with a scientific degree, or an academic title or an academic degree corresponding to the profile of graduated specialists (highly qualified specialists corresponding to the profile of graduated specialists can also be included in the SAC for a specialized magistracy).

The quantitative composition of the SJSC is determined and approved by the order of the rector no later than December 31 and is valid during the calendar year.

The minutes of the SAC meeting are kept by its secretary, approved as part of the SAC from among the educational support personnel of the graduating department.

The university clearly defines the principles and methods for assessing undergraduates, scientific and educational activities.

All forms of the minutes of the meeting of the SJSC are numbered and sealed with the seal of the Academy in separate books for each form of final certification of students before the start of the work of the SJSC.

The quantitative composition of the SJSC is determined and approved by the order of the rector no later than December 31 and is valid during the calendar year. The minutes of the SAC meeting are kept by its secretary, approved as part of the SAC from among the educational support personnel of the graduating department.

After the completion of the work of the SJSC, all the protocols are transferred to the archive of the Academy for storage in the prescribed manner. Based on the results of the thesis defense, decision to award an academic master's degree. Decisions on assessments of the defense of a master's thesis, as well as on the award of an academic degree and the issuance of a state-recognized diploma are made by the SJSC at a closed meeting by a simple majority of votes of the members of the commission participating in the meeting. In case of equality of votes, the chairman is entitled to an additional vote.

#### **Analytical part**

The university clearly defines the principles, methods and practice of evaluating undergraduates, including the criteria for evaluating scientific work.

**The conclusions of the EEC-criterion of standard 7 "Evaluation of dissertations"** are fully disclosed, there are no comments.

**EEC conclusions by criteria: (strong / satisfactory / suggests improvement / unsatisfactory)**

In general, according to this Standard, the organization's activities meet the specified criteria.

Quantitative indicators reflecting the organization's compliance with the Standard's criteria are as follows: **strong positions - 7, satisfactory - 0, suggest improvements - 0, unsatisfactory - 0.**

### **STANDARD 8: GOVERNANCE AND ADMINISTRATION**

#### **Proof part**

According to the structure, the main structural divisions involved in the direct implementation of the EP magistracy are the specialized departments and the department of postgraduate education. For the effective functioning of all structures, the relevant Regulations

have been developed that determine the interactions of various departments, including on the implementation of the EP.

The structural unit responsible for the OP is the Air Defense Department. The functions of the air defense department are spelled out in the Regulations on the unit.

The Air Defense Department also interacts with other external (Ministries and departments of the Republic of Kazakhstan) and internal divisions of the Academy (Academic Council, Scientific and Clinical Council, Methodological Council, rectorate, library council, registrar's office, educational and methodological center, library and information center (LIC), Computer test, publishing center (CTIC), scientific and clinical department, Evidence-Based Medicine department, economic planning department, accounting department, administrative and economic department, quality management system, legal support department, departments and others).

All decisions made at the level of the administration, the Scientific and Clinical Council, the Academic Council of the Academy (orders, Orders, decisions) are brought to the attention of the interested subdivisions in the form of mailings by corporate mail, the most important documents are brought to the attention of interested persons, responsible persons and executors, which recorded in the acquaintance sheets.

The Academy has introduced corporate governance based on the principles of collegiality and openness of decisions, separation of management bodies and their responsibilities, and financial transparency. The Academy is governed by the Board of Directors.

The work of the Academy departments involved in the implementation of the EP is also regularly assessed by the leadership of the Academy. The list of the main tasks of the administration of the Academy, according to the regulations on the administration <http://ukma.kz/ru/structure.html>, includes: control and coordination of work on the organization of the educational process, work is being done to improve the pedagogical process, to introduce new educational innovative technologies, organizational questions.

For a systematic assessment of the competence of teachers, the administration of the Academy conducts certification of teaching staff, in accordance with the rules of the Ministry of Education and Science of the Republic of Kazakhstan on certification of university teachers. Based on the results obtained, the Academy draws conclusions about the teacher's suitability for the position held, makes recommendations for further improving professional development.

A rating assessment of the teaching staff activity is also carried out - separately among the heads of the department, professors, associate professors, senior teachers, teachers /

The resources for the implementation of the EP correspond to the norms for calculating the cost of education for one student in higher educational institutions of the Republic of Kazakhstan on a state educational order. Appendix 8. Financing of master's programs is carried out in accordance with the regulatory documentation (Order of the Acting Minister of Education and Science of the Republic of Kazakhstan dated August 7, 2009 No. 374 On approval of financial standards for higher and postgraduate education).

Funding sources are budgetary and extrabudgetary financing (state educational order, income from the provision of paid educational services, implementation of research and development work and other works that do not contradict the legislation, international funds, organizations, grants, etc.).

The expenditure part of the Academy's budget is formed on the basis of a consolidated calculation of the need for the staff of the teaching staff, educational support, administrative and managerial and service personnel, consolidated applications of departments and structural units

for additional staff requirements, equipping classrooms with equipment and materials for the educational process. The volume of expenses is based on the indicators characterizing the actually achieved level of expenses of the previous period, taking into account the annual consumer price index and the planned increase in salaries of employees.

In order to ensure the implementation of the educational program and related activities, as well as to ensure the proper management and allocation of resources, the Academy has an appropriate administrative and academic staff. The number of employees of the Academy is regulated by the Law of the Republic of Kazakhstan "On Education", Chapter 7 Status of a teacher, article 52, by order of the Ministry of Education and Science of the Republic of Kazakhstan No. 374 dated August 7, 2009 "On the approval of financial standards for higher and postgraduate education" and the needs of the Academy for the implementation of the mission and strategic directions.

The staff of the graduating department, providing EP meets the regulatory requirements. The number of teaching staff involved in the preparation of undergraduates at the department is only 8 people, of which all 8 are staff members of the university. The degree of degree (availability of the academic degree of Doctor, Candidate of Science, PhD Doctor) of the staff is 100%. 100% of the number of teaching staff participating in the educational process of the EP have academic degrees, including 13% Doctor of Medical Sciences (Anartaeva M.U.) 62% Candidate of Medical Sciences (Bapaev Zh.B., Sarsenbaeva G.Zh., Sadibekova Zh. U., Sultanbekov K.A., Akhmadieva K.E.) 25% PhD of a doctor (Abdrakhmanova Z.B., Omarova B.A.)

The regulatory framework that ensures the compliance of the quality management system with the requirements of international standards, fundamental concepts and criteria of the Model of Excellence, are the documents of the Academy's management system (CM) developed by the quality management department and working groups. There is a clear hierarchy in the structure of the CM documentation in accordance with IS ISO 9001: 2015.

### **Analytical part**

The processes of management and administration at the university are carried out quite effectively, which contributes to the regular improvement of the educational program 6M 110200 / M140 "Public Health".

**According to Standard No. 8 "Management and Administration", the commission noted the following strengths:**

#### **8.1 Program management**

1. The structural unit responsible for the implementation of the EP has been determined.

#### **8.4 Administrative staff and management**

2. 100% degree of teaching staff teaching in the magistracy "Public health".

#### **8.5 Interaction with the health sector**

3. Close interaction with the health sector, the quality of the EP can be 100% employment of graduates.

*The area of improvement is the optimization of department management "Postgraduate education". The department supervises: undergraduates - 90 people, residents - 234 people. Since the head supervises the EP of magistracy and residency, which is labor-intensive, we recommend strengthening the staff of the department with a methodologist with clinical education.*

## **EEC recommendations:**

### **8.4 Administrative staff and management**

1. With the aim of uninterrupted access to information systems and the effectiveness of the development of EP, improve the work of IT communications.
2. Strengthen the staff of the Air Defense Department as a methodologist with clinical education.
3. To finalize the website of the university in terms of improving routing and finding the necessary information, both for students, employees, and for the public and employers.
4. Revise the system of financing scientific and practical training in the far abroad in order to expand the research work of the EP and the introduction of foreign experience.

***EEC conclusions by criteria: (strong / satisfactory / suggests improvement / unsatisfactory)***

In general, according to this Standard, the organization's activities meet the specified criteria.

The quantitative indicators reflecting the organization's compliance with the Standard's criteria are as follows: ***strong positions - 18, satisfactory - 4, suggest improvements - 0, unsatisfactory - 0.***

## **Standard 9. CONSTANT UPDATING**

### **Proof part**

The Academy plans and applies the processes of continuous monitoring, evaluation, analysis and improvement of educational services, taking into account the objectives of national legislation, the requirements and expectations of stakeholders, contributing to the development of quality education based on competencies and end results of learning.

The process of constant updating is based on the introduction of new teaching methods, information technology, the development of assessment criteria, expansion academic mobility, increasing the efficiency and transparency of the decision-making process.

The results of the analysis carried out on the quality of the EP analysis are heard at meetings of the Academic Council, the rectorate and are the basis for measuring and increasing the effectiveness of activities in the preparation of undergraduates.

The revision of the mission and the final results of the educational program is carried out in compliance with the principle of transparency, with the participation of all parties involved in the process: scientific and pedagogical personnel, undergraduates, administrative structures at the level of the department, department, Academy.

Every year, in all divisions of the Academy, internal and external audits are carried out in order to determine the degree of fulfillment of the QMS requirements; evaluations of efficiency, functionality and identification of opportunities for quality improvement are carried out, proposals are developed to improve and introduce new methods for assessing knowledge, achievements and competencies.

### **Analytical part**

The Academy regularly reviews, revises the content of learning outcomes, competencies, EP assessments, regularly allocates resources and for continuous improvement.

The area of improvement is the implementation of scientific and practical internships in the far abroad for undergraduates and teaching staff.

*EEC conclusions by criteria: (strong / satisfactory / suggests improvement / unsatisfactory)*

In general, according to this Standard, the organization's activities meet the specified criteria.

Quantitative indicators reflecting the organization's compliance with the Standard's criteria are as follows: *strong positions - 0, satisfactory - 11, suggest improvements - 0, unsatisfactory - 0.*

**Thus, based on the results of the primary specialized accreditation, the EEC believes that SKMA has:**

1. Adequate resource base for the implementation of the educational program.
2. Close interaction with 10 clinical bases of the city.
3. Prospects for strategic partnership with a foreign university - a strategic partner.
4. Motivated, purposeful, result-oriented undergraduates.
5. Adequate need for personnel of the specialty "Public health" in the region and the region.

## **VII. STRENGTHS / BEST PRACTICE OVERVIEW FOR EACH STANDARD**

*According to standard 1 "MISSION AND FINAL TEACHING OUTCOMES" strengths: 1.1 Definition of the mission of the educational program*

1. The Mission of the OP is defined.
2. Interaction with teaching staff, undergraduates, employers to define and accept the mission of the EP.

### **1.2 Institutional autonomy and academic freedom**

3. Creation of academic freedom in choosing EP for a master's student
4. Training of specialists in a demanded profession based on the needs of the region for medical personnel.
5. Compliance of the university's activities with the requirements of the quality management system.

*According to standard 2 " SCIENTIFIC-RESEARCH ENVIRONMENT AND EDUCATIONAL RESOURCES ", the commission noted the following strengths:*

### **2.1 Research environment**

1. Providing an effective research environment.
2. The growth of publications in indexed publications.
3. The implementation of the educational program is planned and carried out jointly with the supervisor and with the general responsibility of the supervisor and the master's student for the final results.

*According to standard 3 "ADMISSION POLICY AND CRITERIA"*

**3.1 The medical education organization must define and implement an admission policy, including a clearly established provision for the selection process for undergraduates.**

- admission is carried out in accordance with the regulatory legal acts of the Republic of Kazakhstan and the established regulatory documents of the SKMA.

*According to standard 4 "Master's program" the following strengths are noted:*

#### **4.1 Curriculum model, teaching methods and structure**

1. An educational program has been developed based on a competence-based approach, taking into account the trinity: science, practice and education.

2. Possibility of choosing an individual trajectory of training within the framework of the current state educational standard through elective disciplines.

#### **4.2 Stakeholder involvement**

3. The employment rate of undergraduates (100%) who graduated from the university directly testifies to the quality and effectiveness of EP in health care.

#### **Strengths according to Standard No. 5 "SCIENTIFIC GUIDANCE"**

**5.1 The medical education organization must appoint a scientific supervisor for each undergraduate student, and, if appropriate, a co-supervisor, to cover all aspects of the program.**

1. The Academy, within the framework of the implementation of the EP Master's program "Public Health", has a regulating process of discussion and approval of the supervisor and the research topic of the master's student, according to the State Educational Standard of Education.

5.2 The medical education organization must have mechanisms / procedures regulating the process of discussion and approval of the candidacy of the scientific supervisor and the research topic of the undergraduate in accordance with the standard requirements and SES.

2. The scientific supervisors of undergraduates, according to the schedule, carry out work on scientific research work, research practice, scientific internship and conduct consultations with their students on a regular basis.

3. The master's student is trained according to the individual plan.

#### **Strengths according to Standard No. 6 "Dissertation"**

**6.3 The master's program must end with the preparation and defense of a master's thesis, which is an indicator of the formation of the master's student's competencies in accordance with the educational program.**

1. All procedures according to the standard, the processes of preparing a student's dissertation and its defense are clearly spelled out.

**According to Standard No. 8 "Management and Administration", the commission noted the following strengths:**

#### **8.1 Program management**

1. The structural unit responsible for the implementation of the EP has been determined.

#### **8.4 Administrative staff and management**

2. 100% degree of teaching staff teaching in the magistracy "Public health".

#### **8.5 Interaction with the health sector**

3. Close interaction with the health sector, the quality of the EP can be 100% employment of graduates.

## **VIII. OVERVIEW OF QUALITY IMPROVEMENT RECOMMENDATIONS FOR EACH STANDARD**

### **1 "MISSION AND FINAL TEACHING OUTCOMES"**

1. Further improvement of the university's website to raise awareness of all stakeholders in the implementation of the university's mission and educational program.
2. Allocation of additional material resources to improve the university website.

### **4 "Master's program"**

1. Conduct a collection and analysis of proposals from representatives of practical healthcare, employers to evaluate the educational program and consider revising the EP, taking into account the proposals of representatives of practical healthcare and employers.

## **IX. REVIEW OF RECOMMENDATIONS FOR THE DEVELOPMENT OF JSC SKMA**

Improving the website of the university to raise awareness of all stakeholders in the implementation of the university's mission and educational program.

Collecting and analyzing proposals from representatives of practical health care, employers for evaluating the educational program and reviewing the revision of the EP, taking into account the proposals of representatives of practical health care and employers.

Проведение сбора и анализа предложений представителей практического здравоохранения, работодателей по оценке образовательной программы и рассмотрение пересмотра ОП с учетом предложений представителей практического здравоохранения и работодателей.

**Appendix 1. Evaluation table "Parameters of a specialized profile"**

№ P\P	CRITERIA FOR EVALUATION	Position of the educational organization			
		Strong	Satisfactory	Assumes improvement	Unsatisfactory
<b>1.</b>	<b>" MISSION AND FINAL TEACHING OUTCOMES "</b>				
1.1	<b>Definition of the mission of the educational program</b>				
1.1.1	The medical education organization must define its mission of the educational program and bring it to the attention of stakeholders and the <b>health sector</b> .	+			
1.1.2	The medical education organization <b>must</b> ensure that the main stakeholders are involved in the development (formulation) of the mission of the educational program.	+			
1.1.3	The mission statement of an educational program <b>must</b> contain the objectives and educational strategy of the program to prepare a competent researcher at the postgraduate medical / pharmaceutical education level.	+			
1.1.4	The medical education organization <b>must</b> ensure that the declared mission of the educational program includes public health problems, the needs of the medical and pharmaceutical care system and other aspects of social responsibility.		+		
1.1.5	The medical education organization <b>must</b> ensure that the mission of the educational program corresponds to the mission of the organization and allows them to prepare a competent researcher at the level of postgraduate medical education.	+			
1.1.6	A medical educational organization <b>must</b> have a strategic plan for the development of an educational program that corresponds to the stated mission of a medical educational organization, including issues of improving the quality of master's programs and approved by the advisory council of a medical educational organization.		+		
1.1.7	The medical education organization <b>must</b>		+		



	systematically collect, accumulate and analyze information on the quality of the implementation of Master's programs; conduct an assessment of strengths and weaknesses (SWOT-analysis), on the basis of which the administration (pro-administration) together with the advisory board should determine the policy and develop strategic and tactical plans				
1.1.8	Mission and goals of the educational program: - <b>must</b> correspond to the available resources, opportunities and market requirements; - ways to support them <b>should</b> be identified.	+			
1.1.9	The medical education organization <b>must</b> provide access to information about the mission, the goals of the medical education organization for the public (availability of information in the media, on the university website).		+		
1.1.10	The mission of the educational program, as well as the mission and goals of the medical education organization, <b>must</b> be approved by the advisory board	+			
<b>1.2</b>	<b>Institutional autonomy and academic freedom</b>				
1.2.1	An organization that implements master's degree programs <b>should</b> have institutional autonomy to develop and implement policies, for which professors are responsible. teaching staff and administration, especially with regard to: - development of an educational program; - the use of the allocated resources necessary for the implementation of the educational program.	+			
	The medical education organization <b>should</b> guarantee academic freedom to its employees and undergraduates:				
1.2.2	- in relation to the current educational program, in which it will be allowed to rely on different points of view in the description and analysis of issues in medicine and pharmacy;	+			
1.2.3	- in the possibility of using the results of new research to improve the study of specific disciplines / issues without expanding the educational program.	+			
<b>1.3</b>	<b>Learning outcomes</b>				
1.3.1	The medical education organization <b>must</b> determine the expected final learning outcomes that undergraduates must exhibit after completing the graduate program.	+			
1.3.2	Master's degree studies with an academic master's degree <b>should</b> provide master's students with the competencies that will enable them to become qualified educators and / or researchers in accordance with the principles of best research practice.		+		

1.3.3	Completion of the master's program <b>should</b> have a potential benefit for those who continue their careers outside the medical organization, and apply their competencies formed during the development of the master's program, including critical analysis, assessment and solution of complex problems, the ability to transfer new technologies and synthesis of new ideas.		+		
1.3.4	The medical education organization <b>should</b> ensure that a regular (at least once a year) process of updating and restructuring leads to the modification of the final learning outcomes of graduates in accordance with the responsibilities that are assigned to graduates after graduation from the master's program.		+		
	Total	<b>10</b>	7		
<b>2</b>	<b>Standard "RESEARCH ENVIRONMENT AND EDUCATIONAL RESOURCES"</b>				
<b>2.1</b>	<b>Research environment</b>				
2.1.1	The success of individual master's programs <b>must</b> be ensured by the organization of a strong and effective research environment.		+		
	The quality of the research environment <b>should</b> be assessed by analyzing:				
2.1.2	publications of research results (number of publications, impact factor, etc.) by profile magistracy in medical education organization;		+		
2.1.3	the level of attracting external funding for research in medical organization of education;		+		
2.1.4	the number of qualified and competent teachers, researchers in the group, at the faculty, educational institution;	+			
2.1.5	national and international cooperation with research groups of medical organizations, universities, research centers.		+		
2.1.6	Research <b>must</b> be conducted in accordance with international ethical standards and approved by appropriate and competent ethics committees.	+			
2.1.7	In order to provide access to the funds needed to write a thesis, master's programs <b>may</b> include training in other laboratories, preferably in another country, thereby ensuring internationalization		+		
2.1.8	The implementation of the master's program <b>should</b> take place in the context of joint planning of education and research and joint responsibility of the supervisor and master's student for the final results.	+			
2.1.9	The medical education organization <b>should</b> explore the possibility of providing joint master's programs with the award of degrees from both universities and joint leadership to support cooperation between higher education institutions.		+		

2.1.10	The medical education organization <b>should</b> ensure that the process of updating educational resources is carried out in accordance with changing needs, such as the recruitment of undergraduates, the number and profile of academic staff, and the graduate program.	+			
2.1.11	The medical education organization <b>should</b> : - provide sufficient autonomy in the allocation of resources, including decent remuneration of teachers in order to achieve the final learning outcomes, determined by the relevant indicators;	+			
2.1.12	- when allocating resources, take into account: a) scientific achievements in the field of medicine; b) problems of public health and its needs	+			
2.1.13	provide sufficient autonomy in the allocation of resources, including decent remuneration of teachers in order to achieve the final learning outcomes;	+			
2.1.14	when allocating resources, take into account scientific advances in medicine and public health problems and their needs.	+			
<b>2.2</b>	<b>Material and technical base</b>				
	The medical education organization <b>must</b> have the material and technical support that meets the licensing indicators, which include the criteria:				
2.2.1	classrooms, laboratories and their equipment <b>should</b> be modern and adequate to the goals and objectives of the master's program;	+			
2.2.2	undergraduates <b>must</b> be provided with conditions for the implementation of independent educational and research work;	+			
2.2.3	updating and improving the material and technical base <b>should</b> be carried out regularly.	+			
2.2.4	The medical education organization <b>must</b> have sufficient resources for the proper implementation of the master's program. The organization's resources <b>should</b> provide: - admission of undergraduates, - organization of training in the master's program, - performing dissertation work, - scientific guidance, - advising undergraduates, - consideration, reviewing and evaluation of the thesis, - awarding an academic master's degree, - operating costs, - costs of participation in training courses, in international scientific conferences, - payment for tuition in the magistracy in institutions where it is practiced. Resources also include an undergraduate scholarship, however, fees may vary	+			

2.2.5	The resource policy <b>should</b> be aimed at maintaining and ensuring the continuous professional growth of teachers in the master's program.		+		
2.2.6	The medical education organization <b>must</b> provide a safe environment for employees, undergraduates and those who ensure the implementation of the program, including providing the necessary information and protection from harmful substances, microorganisms, observing safety rules in the laboratory and when using equipment.		+		
2.2.7	The medical education organization <b>must</b> have a service and support service for future undergraduates, including a receptionist office, research centers and laboratories, a canteen, a canteen, a medical center, sports grounds and gyms.	+			
2.2.8	The medical education organization <b>has</b> approved procedures to improve the learning environment of undergraduates by regularly updating, expanding and strengthening the material and technical base, which must correspond to the development in teaching practice.	+			
<b>2.3</b>	<b>Information Technology</b>				
2.3.1	The medical education organization <b>must</b> have information support corresponding to the goals and objectives of the master's program.		+		
2.3.2	The library <b>should</b> contain materials necessary for teaching - educational, technical, scientific and reference literature, various periodicals of medical publications, etc.	+			
2.3.3	Undergraduates <b>must</b> have timely and free access to library resources.	+			
2.3.4	The library <b>should</b> have the basic technical equipment to support day-to-day operations: fax machines, photocopiers, computers, printers available for public use, and a telephone with voicemail or answering machine.	+			
2.3.5	The library <b>should</b> have an informational website. The website may contain the following elements: links, interlibrary exchange forms, full-text electronic journal articles, and a feedback form.	+			
2.3.6	The medical education organization <b>should</b> regularly monitor library resources, study and implement strategies to meet the existing and future needs of undergraduates.	+			
2.3.7	In the use of undergraduates <b>must</b> be computer classes and terminals with access to information resources (local area network, Internet).	+			
2.3.8	In a medical educational organization, control over the availability and adequate	+			
	use of information resources by undergraduates <b>should</b> be carried out.				

2.3.9	The medical education organization <b>should</b> constantly update, improve and expand the base of information resources with ensuring access for undergraduates to modern electronic databases, including foreign databases (Thomson Reuters (Web of Science, Thomson Reuters), Scopus, Pubmed, Elsevier, etc.	+			
2.3.10	The medical education organization <b>should</b> open and constantly update on its website a section dedicated to master's programs containing the following information: -structure and staff of the magistracy department, responsibilities of the head and employees of the department; - admission policy, including clear rules on the selection process for undergraduates; - list of master's programs; - structure, duration and content of master's programs; - criteria for the appointment of a supervisor outlining the characteristics, responsibilities and qualifications of the supervisor; - methods used to assess undergraduates; - criteria for the design and writing of a thesis; - a description of the procedure for defending a dissertation work; - Description of the work of the State Attestation Commission for the defense of master's theses; - program for quality assurance and regular evaluation of the master's program; - information about undergraduates taking into account the year of study; - information about the employment of graduates of the magistracy for the last 3 years, taking into account the direction of study (scientific and pedagogical, profile).	+			
	Total	<b>24</b>	8		
<b>3</b>	<b>POLICY AND RECEPTION CRITERIA Standard</b>				
3.1	The medical education organization <b>must</b> determine and implement an admission policy, including a clearly established provision on the selection process for undergraduates.	+			
3.2	Candidates for a master's program <b>must</b> have completed a professional higher education curriculum (basic medical / pharmaceutical / chemistry, higher professional (basic medical + internship) or postgraduate education (residency).	+			
3.3	In the selection of future undergraduates, the research potential of the applicant <b>should</b> be assessed, and not simply take into account his academic performance.		+		
3.4	In a medical education organization, there should be a system for studying employment, demand, career support and continuous professional development of graduates.	+			

3.5	The data obtained using this system <b>should</b> be used to further improve educational programs.		+		
3.6	The medical education organization <b>should</b> ensure that the process of updating and restructuring the master's degree program leads to an adaptation of the admission policy for master's students, taking into account changing expectations and circumstances, human resource needs, changes in the postgraduate education system and the needs of the program.		+		
	TOTAL: 6	<b>3</b>	3		
<b>4</b>	<b>Standard "MASTER'S PROGRAM"</b>				
<b>4.1</b>	<b>Study program model, teaching methods and structure</b>				
4.1.1	The medical education organization <b>must</b> determine the model of the educational program, including an integrated model based on interdisciplinary communication and a competence-based approach, using modular learning technologies, taking into account the final learning outcomes.		+		
4.1.2	The medical education organization <b>must</b> determine the goal and objectives of the master's program, which are aimed at achieving the mission of the educational organization, the mission of the educational program and the final learning outcomes.		+		
4.1.3	The medical education organization <b>must</b> ensure that the content of the educational program meets the requirements of the State Educational Standard and the standard curriculum of the relevant specialty and is developed taking into account the needs of the labor market		+		
4.1.4	The medical education organization <b>must</b> ensure the implementation of the educational program with appropriate working curricula, academic calendar, curriculum for disciplines, forms of the individual curriculum of future undergraduates and the individual work plan of the undergraduate		+		
4.1.5	The master's program <b>must</b> be based on the performance of original research, which requires analytical and critical thinking and must be carried out under scientific supervision.		+		
4.1.6	The medical education organization <b>must</b> ensure that the educational program is implemented in accordance with the principles of equality.		+		
4.1.7	The medical education organization <b>must</b> ensure that the undergraduate fulfills the obligations towards doctors, teachers, colleagues, patients and their relatives in accordance with the Code of Conduct / Code of Honor.		+		
4.1.8	The master's program <b>must</b> ensure that master's students are taught the rules of ethics and responsible research.		+		
4.1.9	The medical education organization <b>must</b> determine the teaching and learning methods used that correspond to the educational		+		

	program and the achievement of students' competencies.				
4.1.10	The master's program <b>should</b> be structured with a clear time limit equivalent to 1–2 years full-time and contain: - theoretical training, including the study of cycles of basic and major disciplines; - practical training of undergraduates - various types of practices, professional internships; - research work, including the implementation of a master's thesis for a scientific and pedagogical magistracy; - experimental research work, including the implementation of a master's thesis for a specialized master's degree; - - methodological approaches and teaching principles that correspond to the educational program and the achievement of the competencies of students	+			
4.1.11	The medical education organization <b>should</b> provide for the mechanisms for the implementation of pedagogical practice (in accordance with the type of magistracy) for the formation of practical skills and teaching methods among undergraduates.	+			
4.1.12	The medical education institution <b>should</b> provide mechanisms for the implementation of research practice for the formation of undergraduates' knowledge, skills, competencies in the field of the latest theoretical, methodological and technological achievements of domestic and foreign science, modern methods of scientific research, processing and interpretation of experimental data.	+			
4.1.13	The medical education organization <b>should</b> provide mechanisms for the implementation of industrial practice for the formation of undergraduates on the basis of theoretical knowledge of practical skills, competencies and experience of professional activity in the specialty being trained, as well as mastering advanced experience	+			
4.1.14	The medical education organization <b>must</b> ensure that future undergraduates will have the opportunity to study under the academic mobility program, have mechanisms / procedures for admitting students from other universities, recognition of loans mastered under the academic mobility program		+		
4.1.15	An appeal mechanism <b>should</b> be developed in the medical education organization, allowing undergraduates to review the decision regarding their programs and the assessment of their dissertations.	+			
<b>4.2</b>	<b>Assessment of the Master's program</b>				

4.2.1	The medical education organization <b>must</b> have a program for monitoring processes and results, including the routine collection of data on key aspects of the educational program. The purpose of monitoring is to ensure the quality of the educational process, to identify areas requiring intervention.	+			
4.2.2	The medical education organization <b>should</b> , on the basis of approved mechanisms, regularly assess the quality of the program, including feedback from scientific advisers, employers and undergraduates.		+		
4.2.3	The medical education organization <b>must</b> , on the basis of approved mechanisms, systematically collect, analyze and provide teachers and undergraduates with feedback, which includes information about the process and products of the educational program, including information about unfair practices or inappropriate behavior of teachers or undergraduates.		+		
	The medical education organization <b>should</b> ensure that the process of renewal and restructuring is carried out regularly and is aimed at:				
4.2.4	- adapting the curriculum model and teaching approaches to ensure that they are appropriate and appropriate;		+		
4.2.5	- adjusting the elements of the program and their relationship in accordance with advances in medical sciences, with changes in the demographic situation and the state of health / morbidity structure of the population and socio-economic, cultural conditions.		+		
<b>4.3</b>	<b>Engaging stakeholders</b>				
4.3.1	The medical education organization <b>should</b> involve the teaching staff and undergraduates, its administration and management in its monitoring program and activities for evaluating the educational program.	+			
4.3.2.	The medical education organization <b>should</b> involve the teaching staff and undergraduates, its administration and management in its monitoring program and activities for evaluating the educational program.	+			
4.3.3	The medical education organization <b>should</b> involve other stakeholders in the assessment process, including representatives of academic and administrative staff, representatives of the public, authorized bodies for education and health, professional organizations, as well as develop mechanisms to encourage the participation of external experts in evaluating the educational program.	+			
4.3.4	The medical education organization <b>should</b> provide access to the results of the evaluation of the educational program to all interested parties.		+		



4.3.5	The medical education organization <b>should</b> ensure that the process of updating and restructuring leads to an improvement in the monitoring and evaluation of the program in accordance with changes in the final learning outcomes and teaching and learning methods.		+		
	Total	<b>17</b>	8		
<b>5</b>	<b>SCIENTIFIC GUIDANCE standard</b>				
5.1	The medical education organization <b>must</b> appoint a scientific supervisor for each undergraduate student, and, if appropriate, a co-supervisor, in order to cover all aspects of the program.	+			
5.2	The medical education organization <b>must</b> have mechanisms / procedures regulating the process of discussion and approval of the candidacy of the scientific supervisor and the research topic of the undergraduate in accordance with the standard requirements and SES.	+			
5.3	The medical education organization <b>must</b> ensure that the candidates for scientific advisers will be selected from specialists with an academic degree and are actively involved in scientific research in the field of science in the specialty of master's degree training.	+			
5.4	The medical education organization <b>should</b> have clearly defined duties and responsibilities of the scientific advisor.	+			
5.5	Academic supervisors <b>should</b> consult regularly with their undergraduates.	+			
5.6	The undergraduate <b>must</b> study on the basis of an approved individual work plan, which is drawn up under the guidance of a scientific supervisor, which should be reflected in the approved reports heard at the meeting of the department (departments) for each half-year	+			
	Total	<b>6</b>	0		
<b>6</b>	<b>Standard "DISSERTATION"</b>				
6.1	The topic of the dissertation and the supervisor of the master's degree student <b>must</b> be approved after admission to the master's program	+			
6.2	The topic of the thesis <b>should be</b> evaluated and approved by a group of independent experts (examiners) through external evaluation of the written description or on the basis of the presentation of the research work.	+			
6.3	The master's program <b>should</b> end with the preparation and defense of a master's thesis, which is an indicator of the formation of a master's student's competencies in accordance with the educational program.	+			
6.4	Research work in the scientific and pedagogical magistracy <b>should:</b>	+			

	<ul style="list-style-type: none"> <li>- correspond to the main problems of the specialty</li> <li>-in which the master's thesis is being defended;</li> <li>- be relevant, contain scientific novelty and practical significance;</li> <li>- be based on modern theoretical, methodological and technological achievements of science and practice;</li> <li>- carried out using modern scientific research methods;</li> <li>- contain research (methodological, practical) sections on the main protected provisions;</li> <li>- be based on advanced international experience in the relevant field of knowledge.</li> </ul>				
6.5	<p>Experimental research work in a specialized master's program <b>should:</b></p> <ul style="list-style-type: none"> <li>- correspond to the main problems of the specialty in which the master's thesis is being defended;</li> <li>- be based on modern achievements of science, technology and production and contain specific practical recommendations, independent solutions to management problems;</li> <li>- to be carried out using advanced information technologies;</li> <li>- contain experimental-research (methodological, practical) sections on the main protected provisions</li> </ul>	+			
6.6	The medical education organization must determine the term for the preparation of the thesis, limited to a 1-2 year period.	+			
6.7	The dissertation <b>must</b> be written by a master student independently, contain a set of scientific results and provisions put forward by the author for public defense.	+			
6.8	The structure of the thesis <b>should</b> include a literature review related to the research topic, goals and objectives of the research work, research methodology, results, discussion, conclusion, conclusions and further research prospects.	+			
6.9	The results of the dissertation work <b>should</b> be available to interested parties (undergraduates, supervisors, employees of the organization where the dissertation was carried out, researchers carrying out scientific work in a similar direction, and other categories of interested parties), i.e. published unless copyright or other reasons prevent it.	+			
6.10	The dissertation work <b>must</b> be accompanied by at least one publication and / or one presentation at a scientific and practical conference.	+			
6.11	The medical education organization <b>must</b> provide a discussion of the master's thesis at a meeting of the department(departments) where the dissertation was carried out	+			
	Total	<b>11</b>	<b>0</b>		

<b>7</b>	<b>Standard "EVALUATION OF DISSERTED WORKS"</b>
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7.1	The medical education organization <b>must</b> determine, approve and publish the principles, methods and practices used to evaluate undergraduates, including criteria for evaluating scientific work.	+			
7.2	The final assessment and approval of the thesis <b>should</b> be carried out by the State Attestation Commission (SAC) for the defense of master's theses.	+			
7.3	The defense of the thesis <b>should be</b> carried out in the medical education organization where the master student is studying.	+			
7.4	The dissertation <b>must be</b> reviewed (external) by a person with a Ph.D. or PhD-doctor degree in the field of the thesis being defended, similar in the profile of the medical education organization.	+			
7.5	The defense of the thesis <b>should</b> include both the preparation of a written version of the report, and the subsequent oral defense.	+			
7.6	The defense of a thesis <b>should</b> be open to the public.	+			
7.7	An academic master's degree <b>must</b> be awarded by a medical education organization on the basis of the decision of the SAC, which evaluates the thesis (standard "Dissertation") and oral defense.	+			
	Total	7	0		
<b>8</b>	<b>GOVERNANCE AND ADMINISTRATION standard</b>				
<b>8.1</b>	<b>Program management</b>				
8.1.1	Management of a medical education institution <b>should</b> be effective and ensure the improvement of the educational program.			+	
8.1.2	The medical education organization <b>must</b> determine the structural unit responsible for the implementation of educational programs of postgraduate education and the achievement of the final learning outcomes.		+		
8.1.3	The structural unit responsible for the implementation of educational programs of postgraduate education <b>should</b> have the authority to plan and implement the educational program, including the allocation of allocated resources for the planning and implementation of teaching and learning methods, evaluating undergraduates, evaluating the educational program and training courses.			+	
8.1.4	The medical education organization <b>must</b> guarantee the interaction of undergraduates with the leadership on the design, management and evaluation of graduate programs.		+		
8.1.5	The medical education organization <b>should</b> encourage and facilitate the involvement of undergraduates in the development of educational programs for the preparation of undergraduates.		+		

8.1.6	The structural unit responsible for the implementation of educational programs of postgraduate education <b>must</b> ensure the transparency of the management system and decisions made that are published in bulletins, posted on the website of the university, included in the protocols for review and execution.			+	
8.1.7	The medical education organization follows through the structural unit responsible for the implementation of educational programs of postgraduate education, to plan and implement innovations in the educational program.			+	
8.1.8	The medical education organization <b>should</b> include representatives from other relevant stakeholders in the advisory body responsible for the implementation of educational programs of postgraduate education, including other participants in the educational process, representatives from clinical and industrial bases, graduates of medical educational institutions, healthcare / pharmacy specialists involved in the learning process or other teachers of the faculties of the university.			+	
8.1.9	The medical education organization <b>should</b> ensure that the structural unit responsible for the implementation of educational programs of postgraduate education: - takes into account the peculiarities of the conditions in which graduates have to work and accordingly modify the educational program; - considers the modification of the educational program based on feedback from the public and society as a whole.			+	
8.1.10	The medical education organization <b>must</b> periodically assess the academic leadership regarding the achievement of its mission and the final learning outcomes.			+	
8.1.11	The medical education organization <b>should</b> ensure that the process of renewal and restructuring leads to an improvement in the organizational structure and principles of program management master's degrees to ensure effective performance and (in the long term) to meet the interests of various stakeholder groups in the face of changing circumstances and needs.			+	
<b>8.2</b>	<b>Academic leadership</b>				
8.2.1	The medical education organization should periodically assess the academic leadership regarding the achievement of its mission and learning outcomes.			+	
<b>8.3</b>	<b>Training budget and resource allocation</b>				
8.3.1	A medical education organization <b>must</b> : - have a clear range of responsibilities and authorities to provide the educational program with resources, including the target budget for training; - to allocate the resources necessary for the implementation of the educational program and to distribute educational resources			+	

	in accordance with their needs.				
8.3.2	The system of financing a medical education institution <b>should</b> be based on the principles of efficiency, effectiveness, priority, transparency, responsibility, delineation and independence of all levels of budgets.			+	
8.3.3	Financial and administrative policies <b>should</b> be aimed at improving the quality of the educational program.		+		
<b>8.4</b>	<b>Administrative staff and management</b>				
8.4.1	The medical education organization <b>must</b> have an appropriate administrative and academic staff, including their number and composition in accordance with qualifications, in order to: - to ensure the implementation of the educational program and related activities; - ensure proper management and allocation of resources.		+		
8.4.2	The medical education organization <b>should</b> develop and implement an internal program for quality assurance of management, including consideration of needs for improvement, and conduct a regular review and analysis of management.		+		
8.4.3	The medical education organization <b>must</b> ensure the implementation of the master's program in accordance with the quality management system certified by independent organizations.		+		
<b>8.5</b>	<b>Interaction with the health sector</b>				
8.5.1	The medical education organization <b>must</b> have constructive interaction with the health sector, with related health sectors, society and government, including the exchange of information, cooperation and initiatives of the organization, which contributes to the provision of qualified specialists in accordance with the needs of society.		+		
8.5.2	The medical education organization <b>should</b> provide an operational link between the educational program and the subsequent stages of professional training.		+		
8.5.3	The medical education organization <b>should</b> be given a formal status of cooperation with partners in the health sector, which includes the conclusion of formal agreements defining the content and forms of cooperation and / or the conclusion of a joint contract and the creation of a coordinating committee, and holding joint events.		+		
	Итого	<b>18</b>	4		
<b>9</b>	<b>"CONTINUOUS IMPROVEMENT" standard</b>				
	A medical education organization <b>should</b> , as a dynamic and socially responsible institution:				
9.1	initiate procedures for regular review and revision of content, results / competencies, assessment and learning environment, structure and function, document and correct deficiencies;		+		

9.2	allocate resources for continuous improvement.		+		
	The medical education organization <b>should</b> :				
9.3	base the renewal process on forward-looking research and analysis and on the results of one's own study, assessment and literature on postgraduate medical education;		+		
9.4	ensure that the renewal and restructuring process results in a revision of its policies and practices in line with past experience, current activities and perspectives.		+		
	Medical education organization in the process of renewal / continuous improvement <b>should</b> pay attention to:				
9.5	adaptation of the mission and end results of postgraduate medical education to the scientific, socio-economic and cultural development of society for the future;		+		
9.6	modification of the intended outcomes of postgraduate education in the selected health care field in accordance with the documented needs of the environment. Changes may include adjusting the structure and content of the educational program, principles of active learning. The adjustment will ensure, along with the elimination of obsolete ones, the assimilation of new relevant knowledge, concepts, methods and concepts based on new advances in the basic biomedical, clinical, behavioral and social sciences, taking into account changes in demographic situation and population structure on public health issues, as well as changes socio-economic and cultural conditions;		+		
9.7	development of assessment principles, methods of conduct and number of examinations in accordance with changes in learning outcomes and teaching and learning methods;		+		
9.8	adaptation of the recruitment and selection policy for graduate students, taking into account changing expectations and circumstances, human resource needs, changes in the postgraduate education system and the needs of the educational program;		+		
9.9	adaptation of the recruitment and formation policy of the academic staff in accordance with changing needs;		+		
9.10	improving the process of monitoring and evaluating the educational program.		+		
9.11	Improving the organizational structure and management principles to ensure effective operation in the face of changing circumstances and needs, and, in the long term, to meet the interests of various groups of stakeholders.		+		
	<b>TOTAL:</b>	<b>0</b>	<b>11</b>	<b>0</b>	
	TOTAL:	<b>96</b>	<b>41</b>	<b>0</b>	