



«АККРЕДИТТЕУ 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 an external expert commission for the evaluation of an educational program in a specialty  
7M10116 "Pharmacy" (1 year - profile direction)  
7M10117 "Pharmacy" (2 years - scientific and pedagogical direction)  
for compliance with the requirements of specialized  
accreditation standards

Non-profit joint stock company  
"Kazakh National University named after Al-Farabi"  
from 15 to 17 May 2023

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

*Addressed to the IAAR  
Accreditation Council*



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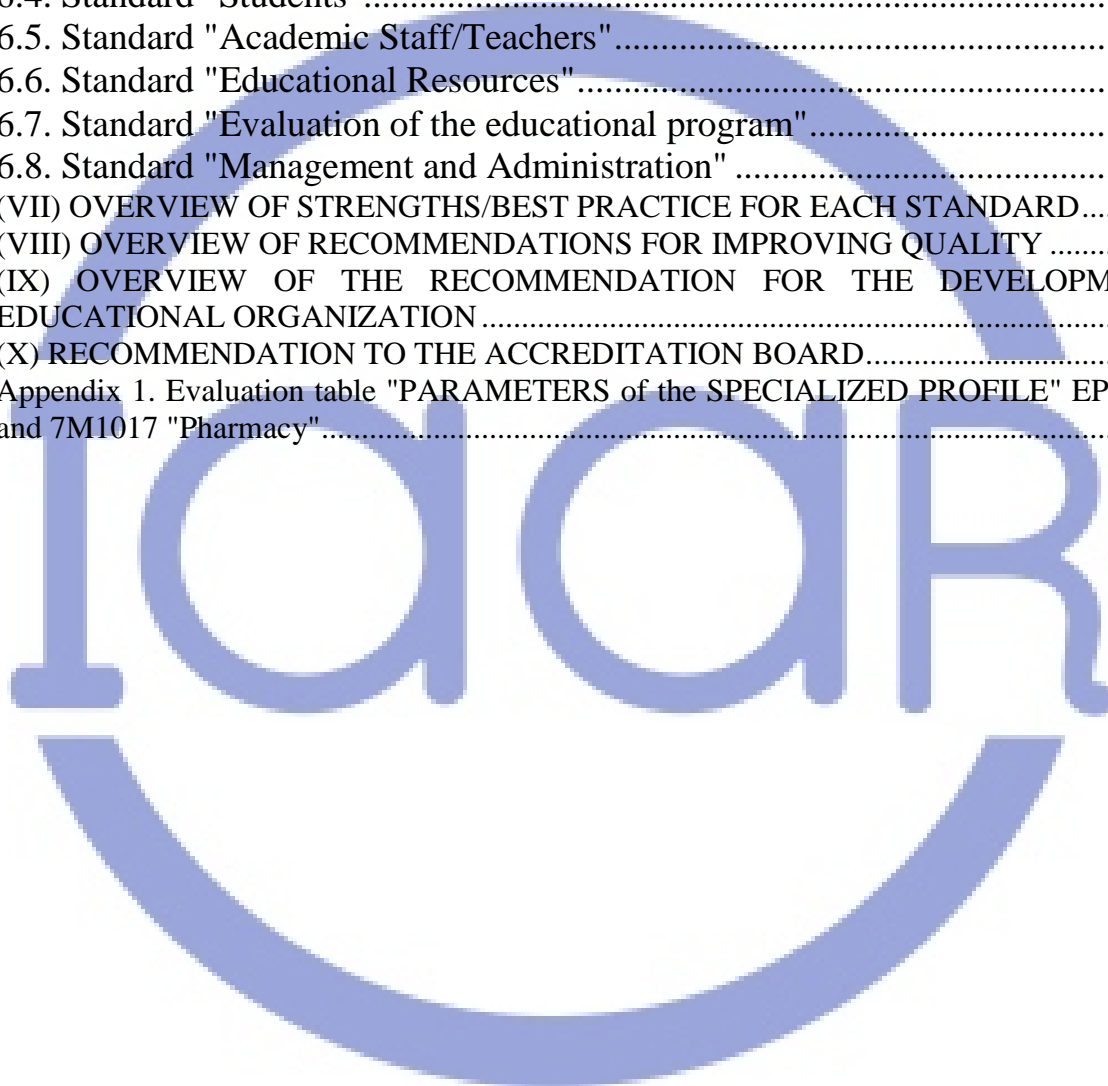
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**Almaty**

**17 May 2023**

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**(I) LIST OF SYMBOLS AND ABBREVIATIONS**

CBL	Challenge Based Learning
ECTS	<a href="#">European Credits Transfer System</a>
GPA	Grade Point Average
PBL	Problem-Based Learning
SWOT analysis	Strengths (strengths), Weaknesses (weaknesses), Opportunities (opportunities) and Threats (threats)
TBL	Team-Based Learning
HSM	Higher School of Medicine
HEI	Higher education institution
HSPH	Higher School of Public Health
SAC	State Attestation Commission
SCSE	State Compulsory Standard of Education
DPE	Department of Postgraduate Education
DPE	Department of Economics and Finance
IWP	Individual work plan
ISP	Individual study plan
c.m.s.	Candidate of Medical Sciences
CMM	Control and measuring means - tools for measuring educational achievements
CQAES MES RK	Committee for Quality Assurance in Education and Science of the Ministry of Education and Science of the Republic of Kazakhstan
CT	Comprehensive testing
CE	Comprehensive exam
CED	Catalog of elective disciplines
LEC	Local Ethics Commission
MH RK	Ministry of Health of the Republic of Kazakhstan
MSHE RK	Ministry of Science and Higher Education of the Republic of Kazakhstan
NCJSC Al-Farabi KazNU	Non-commercial joint stock company "Al-Farabi Kazakh National University"
SRI	Scientific Research Institute
SC	Science Center
OHPE	Organization of higher and postgraduate education
PH	Public healthcare
RDMTh	Registration and defense of a master's thesis
RC	Required Component
EP	Educational program
GC	General Curriculum
IP	Industrial practice
TS	Teaching staff
RK	Republic of Kazakhstan
LO	Learning Outcomes
RCHD	Republican Center for Health Development
QMS	Quality Management System
IWUUGT	Independent work of undergraduates under the guidance of a teacher
MC	Model Curriculums
EMCD	Educational-methodical complex of the discipline
EMC	Educational and Methodological Council
AC	Academic Council

FMH  
EDS

Faculty of Medicine and Health  
Electronic digital signature



## (II) INTRODUCTION

In accordance with order No. 74-23-OD dated March 10, 2023. Independent agency for accreditation and rating (hereinafter - IAAR) from May 15 to May 17, 2023. an external expert commission (EEC) assessed educational programs 6B10102 Pharmacy, 8D10104 Pharmacy, 7M10121 Nursing (Quality Management) for compliance with the standards of international primary accreditation of basic medical and pharmaceutical education programs IAAR based on WFME / AMSE / ESG standards (Republic of Kazakhstan) from 21 December 2022 No. 150-22-OD, implemented by NJSC Al-Farabi Kazakh National University.

The report of the external expert commission contains an assessment of the compliance of activities within the framework of specialized accreditation with the IAAR criteria, recommendations of the EEC for further improvement of the parameters of the specialized profile of educational programs 7M10116 "Pharmacy" (1 year - profile direction) and 7M10117 "Pharmacy" (2 years - scientific and pedagogical direction).

### **The composition of the EEC:**

**Chairman of IAAR** – Tulupova Elena Sergeevna, Ph.D, Institute of Public Health and Medical Law, 1st Faculty of Medicine, Charles University (Czech Republic, Prague), Off-line participation;

**Foreign expert of IAAR** - Vasilevskaya Ekaterina Sergeevna, Candidate of Pharmaceutical Sciences, Associate Professor, Omsk State Medical University (Russian Federation, Omsk), Off-line participation;

**Foreign expert of IAAR** - Zhalilov Fazliddin Sodikovich, doctor of medical sciences, Tashkent Pharmaceutical Institute, (Republic of Uzbekistan, Tashkent), Off-line participation;

**Foreign expert of IAAR** – Ganagina Irina Gennadiyevna, Candidate of Technical Sciences, Siberian State University of Geosystems and Technologies (Russian Federation, Novosibirsk), On-line participation;

**Foreign expert of IAAR** - Meir Sapargalievich Erdauletov, Joint Institute for Nuclear Research (Russian Federation, Dubna), Off-line participation;

**Expert of IAAR** - Shukirbekova Alma Boranbekovna, Doctor of Pharmacy, Professor, JSC "Astana Medical University" (Republic of Kazakhstan, Astana), On-line participation;

**Expert of IAAR**– Seidakhmetova Aizat Ashimkhanovna, candidate of medical sciences, South Kazakhstan Medical Academy JSC (Republic of Kazakhstan, Shymkent), Off-line participation;

**Expert of IAAR** – Maukenova Altynai Amanbaevna, candidate of economics sciences, S.D. Asfendiyarov Kazakh National Medical University (Republic of Kazakhstan, Almaty), Off-line participation;

**Expert of IAAR** – Dmitry Pavlovich Muchkin, candidate of pedagogy sciences, Associate Professor, NCJSC Pavlodar Pedagogical University (Republic of Kazakhstan, Pavlodar), Off-line participation;

**Expert of IAAR** - Sultanova Gulnar Dostanovna, candidate of economics sciences, NCJSC "West Kazakhstan Medical University" (Republic of Kazakhstan, Aktobe), Off-line participation);

**Expert of IAAR** – Imasheva Bagdat Sakenovna, Doctor of Biological Sciences, Professor, Advisor to the Chairman of the Board, National Public Health Center of the Ministry of Health of the Republic of Kazakhstan (Republic of Kazakhstan, Astana), Off-line participation;

**Expert of IAAR** – Kabyshev Asset Maratovich, PhD, NCJSC “ L.N. Gumilev Eurasian University ” (Republic of Kazakhstan, Astana), Off-line participation;

**Expert of IAAR** – Kasymov Askar Bagdatovich, PhD, NJSC “Shakarim University of Semey” (Republic of Kazak Expert IAAR Kulzhumiyeva Aiman Amangeldiyevna, PhD., West Kazakhstan University M. Utemisova (Republic of Kazakhstan, Uralsk), On-line participation;

**Expert of IAAR, employer of the EEC** - Yeseneev Olzhas Brimzhanovich, Master of Business Administration in Healthcare, State Institution Hospital with a Polyclinic of the Police

Department of the North Kazakhstan Region (Republic of Kazakhstan, Petropavlovsk), On-line participation;

**Employer - Expert IAAR** - Pilipenko Yury Alexandrovich, International Association of Producers of Goods and Services "Expobest" (Republic of Kazakhstan, Almaty), Off-line participation;

**Expert of IAAR student of the Higher Economic Commission** - Kaybagarova Indira Boranbaevna, doctoral student, NCJSC "West Kazakhstan Medical University" (Republic of Kazakhstan, Aktobe), On-line participation;

**Expert of IAAR, student of the EEC** - Zhelubaeva Kainesh Turgunovna, master student, NCJSC "Astana Medical University" (Republic of Kazakhstan, Astana), On-line participation;

**Expert of IAAR, student of the EEC** - Orazayeva Bayan Bolatkalikyzy, master student of NCJSC "Semey Medical University" (Republic of Kazakhstan, Semey), On-line participation;

**Expert of IAAR, student of the EEC** - Tungyshov Sherkhan Zhasulanbekuly, student, Y. Altynsarin Arkalyk Pedagogical Institute (Republic of Kazakhstan, Arkalyk), On-line participation;

**Expert of IAAR, student of the EEC** - Shirinbek Beklan Saparalyuly, student, JSC "South Kazakhstan Medical Academy" (Republic of Kazakhstan, Shymkent), On-line participation;

**Expert of IAAR, student of the EEC** - Dildabek Turar Kanatuly, student, S.D. Asfendiyarova Kazakh National Medical University, (Republic of Kazakhstan, Almaty), Off-line participation;

**Expert of IAAR, student of the EEC** - Tirzhanova Sabina Erkinovna, doctoral student, NCJSC " K.I. Satpayev Kazakh National Research Technical University" (Republic of Kazakhstan, Almaty), Off-line participation;

**Expert of IAAR, student of the EEC** - Bagramova Asel Aidosovna, doctoral student, NCJSC " L.N. Gumilev Eurasian University " (Republic of Kazakhstan, Astana), On-line participation;

**Expert of IAAR, student of the EEC** - Kuzyakova Valentina Alekseevna, student of NCJSC "Medical University of Karaganda", (Republic of Kazakhstan, Karaganda), On-line participation;

**Expert of IAAR, student of the EEC** - Mustafina Mergul Oralbekovna, doctoral student of the S. Amanzholov East Kazakhstan University (Republic of Kazakhstan, Ust-Kamenogorsk), On-line participation;

**IAAR coordinator** – Dzhakenova Alisa Satbekovna, candidate of economics sciences, Head of Medical Projects of the Agency (Republic of Kazakhstan, Astana), Off-line participation.

### (III) REPRESENTATION OF EDUCATIONAL ORGANIZATION

The Kazakh State University (KazGU) was established in 1934 on the basis of the Pedagogical Institute, as a result of the decision of the Council of People's Commissars of the Soviet Socialist Republic and the Kazakh Regional Committee of the All-Union Communist Party of Bolsheviks. In 1993, according to a special Decree of the President of the Republic of Kazakhstan, the university received a special status of an autonomous state university and was renamed the al-Farabi Kazakh National University (al-Farabi KazNU).

Today Al-Farabi Kazakh National University is a leading scientific, educational and innovation center where new knowledge, advanced ideas and technologies are created. The University strives to achieve the goals set forth in the Address of the First President of the country. One of these goals is to be included in the ranking of the best universities in the world, which implies a high quality of education and active participation in international research projects.

Al-Farabi Kazakh National University continues to demonstrate its high position in university rankings. In the QS World University Rankings for Eastern Europe and Central Asia (QS World University Rankings EECA 2022), the university takes an honorable 16th place. This confirms its excellence in the region and its contribution to scientific and educational achievements.

According to the study "Academic Ranking of World Universities-European Standard" (ARES), an authoritative European ranking, Al-Farabi Kazakh National University is the leader among all higher educational institutions in Kazakhstan. The university has been rated "AA" for its performance, which places it among the top European universities and far outperforms other Kazakh universities rated "A+" and below.

According to a study by the British agency "Times Higher Education", Al-Farabi Kazakh National University occupies the position 1001-1200. It is ranked 401-500 in Asia University Rankings and 351-400 in THE Emerging Economies Rankings. This confirms the international recognition of the university and its active participation in research projects that contribute to the development of the region and the country as a whole.

A particularly important achievement for al-Farabi Kazakh National University is its position in the QS Graduate Employability Rankings, where it became the first university in Central Asia to rank 201-250 out of 550 universities. This testifies to the high preparation of students and their successful integration in the labor market.

In 2020, Al-Farabi Kazakh National University was awarded three nominations for the prestigious "Leader of Science" award provided by the authoritative Web of Science database. Five scientific journals of KazNU are included in international databases, including those on Medicine (Interdisciplinary Approaches to Medicine), which confirms their importance and reputation in the international scientific community.

The total h-index, which reflects the scientific productivity and citations of scientists associated with the university, is more than 2,700. This testifies to the high level of scientific achievements and vigorous scientific activity carried out by the scientists of Al-Farabi KazNU.

These results confirm that al-Farabi Kazakh National University occupies a leading position among higher educational institutions in Kazakhstan and is one of the leading universities in Europe.

In 2015, the Al-Farabi Kazakh National University decided to establish the Faculty of Medicine with the aim of actively contributing to the development of the healthcare and medicine system in Kazakhstan, as well as striving to achieve a high international level in the field of life sciences.

The Faculty of Medicine of KazNU offers the training of healthcare professionals at various levels of educational programs, striving to meet international standards and take into account the latest scientific achievements.

The faculty offers bachelor's, master's and doctoral programs, and also provides an opportunity for additional professional education for business representatives and specialists from



various fields and sectors involved in the development, promotion and implementation of programs aimed at improving and maintaining health.

In 2018, the Graduate School of Medicine was opened as part of the Faculty of Medicine and Healthcare, which began the development and implementation of EPs in the master's program - "Pharmacy" (7M10116 profile direction, 1 year) and "Pharmacy" (7M10117 scientific and pedagogical direction, 2 years).

Thus, the Faculty of Medicine of Al-Farabi KazNU plays an important role in the development of healthcare, medicine and pharmaceuticals in Kazakhstan, offering quality education and up-to-date knowledge in this area, taking into account modern requirements and international standards.

Table 1 - Information about EP 7M10116 and 7M10117 "Pharmacy"

EP	«Pharmacy» (7M10116) «Pharmacy» (7M10117)
EP Level/period of study	Master's degree /1 year Master's degree /2 year
Structural unit (head)	Faculty of Medicine and Health (Kalmataeva Zhanna Amantaevna, Doctor of Medical Sciences, Professor)
The main departments (heads of departments)	Department of Fundamental Medicine (Sarsenova Lyazzat Kadirgalievna, Candidate of Biological Sciences)
Dates of external visit	15.05.2023-17.05.2023
Person responsible for accreditation (tel./fax/e-mail)	Sarsenova Lyazzat Kadyrgalievna +7 7053084466 <a href="mailto:Lazzat.Sarsenova@kaznu.edu.kz">Lazzat.Sarsenova@kaznu.edu.kz</a>
<b>Part II</b>	
Number of ECTS credits	60 120
Duration of study (number of semesters), form of study	2 semesters / full-time 4 semesters / full-time
Date of introduction of the educational program	06/02/2020 06/01/2020, update date 08/18/2022
Previous accreditation (date, validity period, accreditation agency)	Primary

Entry Requirements	<p>The applicant must have completed higher education according to the table of correspondence of specialties of the previous level of education organization of higher and postgraduate education.</p> <p>It is also necessary to confirm the knowledge of a foreign language in accordance with the common European competences (standards) of foreign language proficiency or the results of a CT in a foreign language and must have a threshold score.</p> <p>For studying in English - the level of English proficiency is at least B1  <a href="https://welcome.kaznu.kz/ru/welcome/magistr">https://welcome.kaznu.kz/ru/welcome/magistr</a>  <a href="https://welcome.kaznu.kz/ru/welcome/foreign">https://welcome.kaznu.kz/ru/welcome/foreign</a></p>
Opportunities for further education (upon completion of the program)	PhD Doctor of Philosophy in Pharmacy and 8D07201 Pharmaceutical Manufacturing Technology.
EP goals	Provide training of competitive specialists with systematic knowledge and skills in the field of pharmacy, able to generate innovations, implement best practices in the development and circulation of medicines and medical devices
Learning Outcomes	<p>On completion of this program students will be able to:</p> <ol style="list-style-type: none"> <li>1. Integrate knowledge of fundamental sciences and advanced technologies to solve problems in the development, production and circulation of medicines and medical devices, including modern approaches to the use of nanotechnology;</li> <li>2. Identify falsified, substandard and counterfeit medicines;</li> <li>3. Conduct independent research based on the analysis of scientific data, industry development trends and critical reflection on their prospects in terms of improving pharmaceutical practice;</li> <li>4. To carry out documentation support provided for in the field of development, production and circulation of medicines, in accordance with the legislation of the Republic of Kazakhstan and Good Pharmaceutical Practices;</li> <li>5. Critically apply knowledge in the field of marketing research of subjects and objects of the pharmaceutical market;</li> <li>6. Critically apply modern concepts and management tools in order to achieve the success of the organization and their own professional activities;</li> <li>7. Monitor, analyze and evaluate the quality, efficiency and safety in the development, production and circulation of medicines and medical devices, including developments using nanotechnology;</li> <li>8. Demonstrate the skills of management, planning, financial accounting and reporting in the subjects of the sphere of circulation of medicines and medical devices;</li> <li>9. Provide information and advisory assistance and control on ensuring the rational use and use of medicines and medical devices;</li> <li>10. Demonstrate leadership qualities, innovativeness and independence in labor, educational and scientific activities in new contexts that require solving problems associated with many interrelated factors;</li> <li>11. Organize a student-oriented educational process with appropriate methodological support within its competence, subject area and educational standards of the Republic of Kazakhstan;</li> <li>12. Communicate effectively in various contexts of professional and interpersonal communication, appropriately using professional terminology and various communication channels</li> </ol>

Specialization	Pharmacist
Additional characteristics	<p><u>Degree Awarded: Master of Public Health</u>  <u>Qualification: Master of Health in the educational program 7M10116 "Pharmacy" (1 year)</u>  <u>Degree Awarded: Master of Medical Sciences</u>  <u>Qualification: Master of Medical Sciences in the educational program 7M10117 "Pharmacy" (2 years)</u>  <u>languages of instruction: Kazakh, Russian, English</u></p>
Number of admitted students	16
Cost of education	<p><u>850 000 tenge</u>  <u>For foreign citizens 2 347 000 tenge</u></p> <p>Persons of Kazakh nationality who are not citizens of the <a href="#">Republic of Kazakhstan</a> are accepted at Kazakhstani prices</p>
Employment opportunities, career paths	<p>Personnel training under the educational program "Pharmacy" is carried out for the following areas of professional activity:</p> <ul style="list-style-type: none"> <li>- Pharmacist (pharmacist);</li> <li>- Technological engineer for the production of <u>medicines</u>, medical devices;</li> <li>- Pharmacy quality manager;</li> <li>- Clinical pharmacist;</li> <li>- Radio Pharmacist;</li> <li>- Inspector.</li> </ul> <p>A graduate of this program can continue their studies: for PhD doctoral programs (if research direction and / or educational activity) pedagogical, research, expert advisory.</p> <p>Types of professional activities for which a graduate of the educational program 7M10116 "Pharmacy" and 7M10117 "Pharmacy" are preparing:</p> <ul style="list-style-type: none"> <li>- implementation of wholesale and retail sales of medicines and medical devices;</li> <li>- production of medicines and medical products;</li> <li>- work in other organizations of the healthcare system (clinical pharmacist, inspector)</li> <li>- medical education institutions (universities and colleges)</li> <li>- research centers.</li> </ul>

#### (IV) DESCRIPTION OF THE EEC

The work of the EEC was carried out on the basis of the Program of the visit of the IAAR / IAAR expert commission as part of the specialized accreditation of educational programs from 15 May to 17 May 2023.

In order to coordinate the work of the EEC on 05/12/2023, an introductory meeting was held, during which powers were distributed among the members of the commission, the schedule of the visit was specified, and agreement was reached on the choice of examination methods.

In order to obtain objective information on evaluating the activities of the university, the members of the EEC used such methods as visual inspection, observation, interviewing employees of various structural units, teachers, students, graduates and employers, questioning the teaching staff, students.

Meetings of the EEC with the target groups were held in accordance with the revised program of the visit, in compliance with the established time period. The staff of the University ensured the presence of all the persons indicated in the program of the visit.

In accordance with the requirements of the standards in order to obtain objective information about the quality of educational programs and the entire infrastructure of the university, to clarify the content of self-assessment reports, interviews were conducted in a hybrid format with vice-rectors, heads of structural divisions, deans, heads of departments, teachers of departments, students, employers, a survey of teachers was conducted and students. In total, 76 people took part in the meetings on EP Pharmacy (Table 4).

Table 2 - Information about employees, students, employers, graduates who took part in meetings with the EEC IAAR / IAAR

Category of participants / number							
University management vice-rector	Heads of structural departments	Deans	Teaching staff	Heads of the EP, heads of departments	Students	Employers	Graduates
4	34	4	15	3	7	6	3

According to the program of the EEC visit, an on-line and off-line tour of the university was also held, during which the experts visited: the Library; Student Service Center "Keremet"; Center for situational management; Research Center for Medicinal Plants.

In accordance with the accreditation procedure, an on-line survey of teachers and students was conducted. According to the results of a survey of teachers, in which 85 people took part, it was revealed that 100% of respondents noted that they were satisfied with the content of the educational program, the opportunities for continuous development of potential, advanced training, the opportunity to actively apply their own teaching methods in the educational process. All the respondents answered that the library had the necessary scientific and educational literature. 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 respondents answered positively to all questions of the questionnaire and believe that this is an actively developing university with great growth opportunities and conditions for both teachers and staff, and for students.

A survey of 19 undergraduate and doctoral students was conducted. According to the results of the survey, 91.2% of respondents are satisfied with the attitude and responsiveness of the management, 92.3% of respondents are satisfied with the availability of academic counseling, educational materials (93.4%), the availability of library resources and the quality of services (100%), classrooms (97.8 %), clarity of disciplinary procedures (94.5%), overall quality of

curricula (93.4%), teaching methods (94.5%), quality of teaching (95.6%), objectivity and fairness of teachers (97.7%), available scientific laboratories (86.8%), quick response to feedback from teachers on the educational process (94.5%).

As part of the planned program, recommendations for improving the activities of the university, developed by the EEC based on the results of the examination, were presented at a meeting with the leadership and heads of structural divisions of KazNU on 17.05.2023.

## (V) DESCRIPTION OF THE PREVIOUS ACCREDITATION PROCEDURE

Previously, the international accreditation of the IAAR according to the EP was not carried out.

## (VI) COMPLIANCE WITH SPECIALIZED ACCREDITATION STANDARDS

### 6.1 Standard "Mission and Deliverables"

#### ***Evidential part***

The University carries out its activities on the basis of the Charter, local regulations, strategic development plan, developed in accordance with the regulatory and strategic documents adopted in the Republic of Kazakhstan.

The missions of the Master's educational programs "Pharmacy" (7M10116) and "Pharmacy" (7M10117) developed and adopted at the University correspond to the mission of KazNU.

The development of the mission, goals and objectives of development was carried out taking into account the opinions of all participants in the educational process of the university (professional staff, students, employees of structural divisions and university management), as well as specialists and experts from state, commercial and non-governmental organizations, in order to ensure maximum versatility of the stages of development and implementation of the EP.

The University's strategic development plan defines long-term priorities in line with available resources. The entire staff of the University is involved in the process of implementing the development strategy of the University, and the assessment of activities in all areas is carried out. The strategic development plan defines the main areas of the University's work and contains benchmarks.

On the basis of the strategic plan for the development of the university, annual work plans for the departments are drawn up. They determine the goals, means and achievable results for the current year. They reflect the types and volumes of work in all areas of the University's activities that must be completed during the planned period: the development of educational and methodological material, the implementation of research work, the development of the material and technical base, and the acquisition of the library fund.

#### ***Analytical part***

Analyzing the compliance of the EP with the standards for international accreditation in accordance with the IAAR standards, it should be noted the compliance with the parameters of the Mission and Results standard.

The mission of the university, strategic goals, reports are published on the website <https://www.kaznu.kz/ru/20518/page/>.

Experts note that on the basis of the materials submitted by the staff of the departments, information posted on the official website of the KazNU, meetings with focus groups allow us to conclude that the current strategy includes priority areas for the development of university science, mechanisms for improving the management of research, development of the scientific potential of teachers and improvement of scientific activities

The experts were convinced that at the current stage of activity, the university management system is focused on the development of strategic planning, the use of modern management methods, a multilateral internal quality assessment and continuous improvement.

When determining the [Mission, goals and final results](#) of the EP, the management of EP 7M10116 Pharmacy and 7M10117 Pharmacy is guided by the Mission of the University, and also takes into account the priorities for the development of healthcare and pharmacy in the Republic of Kazakhstan, the unique capabilities of KazNU as a multidisciplinary research university with a special status and high international reputation. Taking into account the requirements of the NQF, ORK, the professional standard of [pharmaceutical activities](#) of the Republic of Kazakhstan, the State Educational Standard of the Republic of Kazakhstan of this (master's) level of training in pharmacy makes it possible to ensure that the learning outcomes of the EP meet the qualification requirements for graduates to successfully pass certification and employment or continue their education in doctoral studies.

EEC members note that the Mission of EP 7M10116 Pharmacy and 7M10117 Pharmacy is brought to the attention of interested parties through notification and publication on the official website.

The final results of EP 7M10116 Pharmacy" and 7M10117 Pharmacy are formulated in such a way as to ensure the implementation of the Mission of the EP and the Mission of the University - "training competitive specialists in demand on the national and international labor markets" by mandatory consideration of all aspects of pharmaceutical science and practice, taking into account national and international standards and the latest achievements of science; "achieving a qualitatively new effect in the formation of citizens of the country and the world" - through the development of "commitment to the highest standards of professional responsibility and honesty; adherence to ethical principles in all professional interactions, communication skills and continuous personal and professional development and "in promoting the sustainable development of society through the transfer and enhancement of knowledge" - by developing the skills of scientific thinking in students and teaching others.

EP 7M10116 Pharmacy" and 7M10117 Pharmacy some of the competencies listed in the paragraph "Learning Outcomes" are private and can be acquired by undergraduates who have not received education in the relevant field. For this reason, it would be appropriate if competencies and positions were specified based on the characteristics of each educational trajectory.

#### ***Strengths / best practice***

There are no strengths in this standard.

#### ***EEC recommendations***

The leadership of the Academic Committee and the EP by the 2023-2024 academic year to review the results of the EP in 3 educational trajectories.

The conclusions of the EEC according to the criteria: strong positions - 0, satisfactory - 11, suggest improvements - 1, unsatisfactory - 0.

## 6.2. Standard "Educational program»

#### ***Evidential part***

KazNU provides an opportunity to exercise institutional autonomy to departments that have the right to independently develop their own training programs.

The procedures for the development, approval and revision of the EP are regulated in the [Academic Policy](#) of KazNU, the [Regulation](#) on the procedure for the development and approval of educational programs of higher and postgraduate education of KazNU. The program is managed at several levels. General methodological guidance and control over the development of the EP is

carried out by the [Academic Committee](#) in the direction of "Health", which includes teaching staff, employers and students. To [develop the EP](#), by order of the dean, author teams are created from among the teaching staff, employers, graduates and students. The Master's program 7M1016 and 7M10117 "Pharmacy" is structured in such a way as to create a pool of pharmacists for practical healthcare. Program 7M1016 "Pharmacy" provides training in three areas: Clinical pharmacist; Pharmacist - manager; Pharmacist - chemist. Program 7M1017 "Pharmacy" provides training in four areas: Clinical pharmacist; Pharmacist - manager; Quality Management Pharmacist; Nanotechnology in pharmacy.

For each EP, an EP coordinator is appointed from among the leading teaching staff of the graduating department. The team of authors determines the structure and content of the EP in accordance with the mission, goals and learning outcomes of the EP, develops the Curriculum, the Passport of the EP and the Catalog of disciplines, guided by the NLA in the field of higher and postgraduate education, national priorities and global trends in the development of the industry. The content of modules/disciplines, methods of teaching and assessment in accordance with the Catalog of Disciplines are determined by the teams of authors involved in teaching this discipline. The educational and methodological complex of the discipline is checked by the person responsible for the methodological work of the department, considered at a meeting of the department, a meeting of the Academic Committee and approved by the dean of the faculty. When implementing the EP, the department is guided by the principle of compliance of teaching/assessment methods, content and learning environment with the planned learning outcomes of each discipline and the EP as a whole. This is achieved by attracting specialists in the taught area to teaching (including practitioners, as well as specialists from other faculties), using the resource base of the entire university (laboratories of other faculties, scientific centers and research institutes), the scientific and industrial base of branches and clinical/industrial bases, the use of a variety of methods of active, team learning in the classroom, the widespread use of ICT capabilities (MOOC, Moodle, Google classroom, 3d4anatomy, etc.), the use of various assessment methods, including methods for assessing skills and attitudes. In addition, to ensure the formation of general cultural and general scientific competencies, sufficient attention is paid to creating an environment that stimulates scientific activity.

Communication with medical / pharmaceutical practice and the healthcare system is ensured by the direct participation of practitioners both in the development / revision of programs and in the teaching of disciplines at the bases / branches of the department.

The main criterion for the completion of the educational process for the preparation of masters of medical sciences is the mastery of at least 60 and / or 120 credits, of which at least 84 credits of theoretical training, as well as at least 13 credits of practice. The normative duration of mastering the professional curriculum of the master's program is 1 and 2 years.

The EP of the master's program contains educational and scientific / research components, including the implementation of a master's thesis / project, which is planned in the field of topical, modern scientific problems that require analytical and critical thinking.

The educational program is designed to provide the proper level of qualification, measured by the achieved learning outcomes and competencies required in a dynamically changing labor market, and the content of the program is to ensure the achievement of results as a system of qualification requirements based on internationally recognized knowledge. The scientific component of the educational program is formed from the research work of a master student, scientific publications and writing a master's project / dissertation. The effectiveness of research work during training in the magistracy is ensured by careful planning, control over the progress of the work by the supervisor, the department and the Attestation Commission.

The EP of postgraduate education is provided with the following auxiliary "tools": standard curricula for the master's specialty, academic calendar, individual work plan for a master's student, working curricula, curricula for disciplines. The working curriculum and the academic calendar are developed for the academic year based on the Model Curriculum. Accounting for the labor intensity of all types of work is carried out according to the volume of mastered material and is

measured in credits, which are units of measurement for the labor costs of undergraduates and teachers, necessary to achieve specific learning outcomes. The cycle of basic disciplines (DB) consists of disciplines of a mandatory component and an optional component. The volume of disciplines of the database cycle is 50% of the total volume of disciplines of the standard curriculum, of which 33% is allocated to the disciplines of the compulsory component and 67% - to the disciplines of the elective component. The volume of the cycle of major disciplines (PD) is 50% of the total volume of disciplines of the standard curriculum. A significant part of the training program includes training undergraduates in special skills: Oral communication; research ethics; Theory and practice of scientific writing; Partnership: Research and Society; Reading and critical analysis of scientific publications; Scientific information management; Methodology of qualitative types of research.

Various types of practices (educational, industrial) make up 13 credits, are included in the modules of the relevant disciplines and are evenly distributed over the years of study. Future pharmacists undergo educational and industrial practice in various medical institutions, pharmacies, pharmaceutical companies, and scientific organizations.

The educational process at the university proceeds with the support of the developed at KazNU. Al-Farabi of the Univer 2.0 information and software complex, which provides automated workstations for all categories of users involved in the educational process, from the admission committee to the graduation of the student. The system ensures the synchronous work of all participants in the educational process. Thanks to the cloud system for automating the educational process, all educational (attendance, academic performance, grading in classes and exams, etc.) and auxiliary processes (procedures for distributing vacant educational grants and places in hostels, etc.) are extremely open and transparent.

#### **Analytical part**

During the visit, the experts carried out a detailed analysis of the accredited EP for compliance with the requirements of the modern education market, the principles and methods of organizing educational, research and educational processes focused on meeting the interests of students and all participants in the educational process of the EP. The content and form of the EP, decisions made by the management of the EP, are consistent with the strategic documents of the university and the legal documents of the Republic of Kazakhstan. The university has at its disposal budgetary funding and is able to raise funds from the commercial activities of the university for the implementation, improvement and training of teaching staff within the framework of the EP.

EP 7M1016 and 7M10117 Pharmacy was developed with the active participation of leading experts in the pharmaceutical industry, taking into account the most priority training areas for employers, current international trends in this area and similar programs implemented by European universities.

The newly developed competencies of undergraduates coincide with ongoing reforms in the pharmaceutical field. Modernization of educational programs involves high-quality training of competitive specialists by integrating the best world practice in education, science and clinics.

#### ***Strengths / best practice***

There are no strengths in this standard.

#### ***EEC recommendations***

not according to this standard.

#### ***Conclusions of the EEC according to the criteria:***

EP 7M1016 and 7M10117 Pharmacy: strong positions - 0, satisfactory - 18, suggest improvements - 0, unsatisfactory - 0.



### 6.3. Standard "Assessment of students"

#### ***Evidential part***

The undergraduate assessment system is regulated by several internal regulatory and educational and methodological documents that are available to students and teaching staff in the Univer System.

The educational program provides for a systematic and systematic assessment of the educational achievements of undergraduates, based on the final learning outcomes of each discipline and each course of study. Coordination of teaching and assessment methods is carried out in the matrix of formation of learning outcomes of the EP, in the syllabus of disciplines, in which, for each discipline, teaching and assessment methods are prescribed that are relevant to the final results of each discipline and the place of each discipline in the formation of learning outcomes throughout the EP. The choice of assessment methods for the current, midterm and final control is carried out by the teacher in accordance with the LO.

The process of updating the assessment system is carried out on the basis of an analysis of the results of the examination and is aimed at better matching the final learning outcomes and changes in the teaching and learning strategy of the format and content of all stages of summative assessment, the format and content of exams.

To assess the educational achievements of students and the formation of expected learning outcomes, the following types of control are provided: current control; - frontier control; - final control (final exam).

The evaluation of learning outcomes is carried out in accordance with the University's Learning Outcomes Evaluation Policy. The assessment of the current control is 60% of the final assessment of knowledge in the discipline, the assessment of the final examination is 40% of the final assessment of the discipline. Admission to the exam session is issued by order of the dean of the faculty.

The final control of the discipline is carried out, as a rule, by the teacher of the discipline. The form/platform of the final exam for each academic discipline is determined by the teacher, included in the syllabus of the discipline, brought to the attention of students no later than one month after the start of the academic period, and is submitted by the Univer IS. The results of the final exam are entered into a separate examination sheet in the Univer IS. The assessments of the final control are entered into the Univer IS by the examiner teacher in this discipline within 48 hours after the end of the exam.

#### ***Analytical part***

After analyzing the work of the EP according to this standard, the commission notes that the university has an EP assessment system based on the use of various methods for collecting, processing and analyzing information in the context of the EP and the University as a whole. Data are given that testify to the involvement in the process of teaching staff, students and administrative and managerial personnel of the university. All procedures according to the standard, evaluation processes and the dissertation defense algorithm are prescribed and observed. Based on the results of the defense of the master's thesis, an assessment is made according to the point-rating letter system.

External quality control of the assessment system is carried out by the Faculty Quality Committees, which, in addition to the teaching staff, include representatives of employers and students.

A survey of students, employers and graduates is being conducted, both using information and communication technologies, and in traditional formats (questionnaires on paper, oral conversation), which was confirmed by the participants in the focus groups. The results containing the evaluation of educational programs are heard at extended meetings of the Council of the

faculty, EMA, the administration, the Academic Council with the participation of heads of organizations of practical healthcare.

At meetings with focus groups of teaching staff, students, to the question of what active teaching methods are used, both groups gave convincing answers and gave examples of the forms of teaching used (CBL, PBL, TBL and others) in specific disciplines. The students noted that these forms of education are more motivating to attend classes and contribute to better assimilation of the material.

In general, KazNU monitors educational and other processes, for which relevant procedures and regulations have been developed. The monitoring results are used to improve the educational program and are aimed at the progress of students. Feedback is maintained between teachers and students, including a system of questioning satisfaction with the educational and other activities of the university, aimed at improving the educational program.

***Strengths / best practice in the standard "Evaluation of the educational program"***

There are no strengths in this standard.

***EEC recommendations***

not according to this standard.

**Conclusions of the EEC according to the criteria:**

strong positions - 0, satisfactory - 10, imply improvement - 0, unsatisfactory - 0.

**6.4. Standard "Students"**

**Evidential part**

The method of admission and selection of students for EP 7M10116 and 7M1017 "Pharmacy" is regulated by the legal documents of the Republic of Kazakhstan: Law of the Republic of Kazakhstan "On Education" dated July 27, 2007 No. 319-III; Rules for awarding an educational grant to pay for higher or postgraduate education with a bachelor's or master's degree, Decree of the Government of the Republic of Kazakhstan dated January 23, 2008 No. 58; Model rules for admission to study in educational organizations that implement educational programs of higher and postgraduate education, Order of the Minister of the Ministry of Education and Science of the Republic of Kazakhstan dated October 31, 2018 No. 600; and Order of the Minister of Science and Higher Education of the Republic of Kazakhstan dated December 15, 2022 No. 189.

The policy of admission and selection of students with disabilities is carried out in accordance with the Model Rules of the Ministry of Education and Science of the Republic of Kazakhstan dated October 31, 2018 No. 600 "On Approval of the Model Rules for Admission to Study in Educational Organizations Implementing Educational Programs of Higher and Postgraduate Education".

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

For admission to the master's program 7M10116 and 7M1017 "Pharmacy", the candidate must master the professional training programs of higher education in the specialties listed in Appendix 4.1.

Admission to the magistracy is carried out in accordance with the Model rules for admission to educational organizations that implement professional training programs for postgraduate education.

Admission to study is carried out according to educational programs of postgraduate education - master's program, included in the Register of educational programs of the Center for

the Bologna Process and Academic Mobility of the Ministry of Science and Higher Education of the Republic of Kazakhstan.

In the 2021-2022 academic year, 22 undergraduates were admitted to the master's program 7M10116 and 7M1017 "Pharmacy". In the 2022-2023 academic year, 6 undergraduates entered.

The University has a multi-level system of academic consulting and individual support for students, which includes the institution of curatorship-advising, special student support services and student self-government bodies.

### **Analytical part**

In KazNU, the requirements set forth in the IAAR standard "Students" are fully implemented.

KazNU has developed and operates regulatory legal documents to support and protect the rights of students. On an ongoing basis, there are student organizations that take part in the discussion and evaluation of the EP, as well as the cultural and social life of the university, which was confirmed by students at meetings with members of the EEC.

During meetings with the heads of departments, deans and structural divisions of the university, members of the EEC found that students have the opportunity to express their opinions and wishes regarding their participation in the decision-making process, ensuring the quality of the educational process, educational activities and other professional and social issues. All issues raised and discussed at such meetings are resolved in a timely and appropriate manner.

The results of the survey of students showed high levels of satisfaction in terms of the attitude and level of accessibility of the dean's office, the accessibility and responsiveness of the university management, the support of educational materials in the learning process, the availability of counseling on personal problems, the financial and administrative services of the educational institution, the level of accessibility of library resources, the quality of services provided in libraries and reading rooms, the existing teaching resources of the university, the usefulness of the website of educational organizations in general and departments in particular, the clarity of the procedure for taking incentives and disciplinary actions, the overall quality of curricula, teaching methods in general, the quality of teaching.

Admission to the magistracy according to 7M10116 and 7M1017 "Pharmacy" is carried out in accordance with the established regulatory documents of the university and orders of the MES RK. The University conducts career guidance in order to attract undergraduates to the EP. Undergraduates 7M10116 and 7M1017 "Pharmacy" can continue the trajectory of education in doctoral studies, the University has opened a doctoral program Pharmacy "and 8D07201" Technology of Pharmaceutical Production" to continue the preparation of graduates of the master's program, thus, undergraduates have the prospect of educational growth.

A graduate of the master's program, having fundamental scientific and professional training, owning modern information technologies, including methods for obtaining, processing and storing scientific information, after completing the training, is able to formulate and solve modern scientific and practical problems, plan and conduct experimental research / research activities on chosen scientific specialty, teach at universities, successfully carry out research and management activities.

Together with the undergraduate, an Individual Work Plan for the undergraduate (IWP) is developed, consultations are systematically conducted on research work and systematically assessed on the implementation of the undergraduate's research work. Timely and high-quality performance of research work and submission of reports on R&D by undergraduates is ensured. Assistance is provided in the preparation and publication of research results in scientific journals.

### ***Strengths / best practice***

Availability of a comprehensive student support program at the Keremet Student Service Center.

### ***EEC recommendations.***

not according to this standard.

**Conclusions of the EEC according to the criteria:**

strong positions – 1, satisfactory – 16, suggest improvements – 0, unsatisfactory – 0.

## 6.5. Standard "Academic Staff/Teachers"

**Evidential part**

When selecting applicants for positions of the teaching staff, the level of qualification, the range of professional experience, the results of research activities, the ability to provide training of highly qualified specialists in accordance with the needs of the modern labor market are taken into account. Priority is given to persons with higher qualifications without limitation based on gender, race, language, nationality and religion.

Employment and holding a competition for filling vacant positions is based on the current regulatory documents:

- "Qualification requirements for educational activities, and a list of documents confirming compliance with them" (Order of the Ministry of Education and Science of the Republic of Kazakhstan dated 05.06.2020 No. 231);

- "Model Rules for the Activities of Educational Organizations of the Relevant Types" (Order of the Ministry of Education and Science of the Republic of Kazakhstan dated October 30, 2018 No. 595);

- "Rules for the competitive replacement of teaching staff positions of the NCJSC Al-Farabi KazNU.

- "Code of corporate culture of a teacher and employee at the al-Farabi Kazakh National University. ";

- Academic Policy and University Development Strategy;

- [Regulations of the departments and job descriptions of the teaching staff at the Al-Farabi KazNU.](#)

For the full-fledged and high-quality work of the teaching staff, the norm of time for pedagogical work, the load on the teacher / associate professor / professor is 46 credits (460 academic hours) per year. The standards for calculating the labor intensity of work and the teaching load of the teaching staff of KazNU reflect the policy of the university in regulating the types of activities and the norms of the load of teaching staff and scientists.

Such a policy of relatively low teaching load is aimed at enabling the teaching staff to use more time for the development / processing of high-quality teaching and methodological material, to engage in self-development, but most importantly, to devote more time to research activities. In order to stimulate scientific activity, the positions of professor-researcher and associate professor-researcher have been introduced, in which the annual load has been reduced to 12 credits per year, subject to the fulfillment of the relevant requirements for scientific activity. For teachers of English-speaking groups, a load calculation coefficient of 1.5 is set, in addition, for clinical departments (including the Department of Fundamental Medicine), an additional coefficient of 1.5 is used.

The staff of the Department of Fundamental Medicine this year is 96 units, the staffing is 67% (78 people), the degree is 47% (37 people), including: 6 Doctors of Science, 31 Candidates of Science and PhD. The personnel policy is aimed at supporting and developing its own scientific and pedagogical staff - 17 PhD students work at the department; attraction of specialists with foreign diplomas (13 people). Foreign teachers -1 (part-time). 30 employees are involved in the implementation of the EP Pharmacy, of which 85% are degreed. Encourages activities in practical healthcare - there are practicing doctors and pharmacists in the state, as well as representatives of practice and business

The policy of selection of personnel, stimulation and encouragement contributed to the formation of a strong teaching staff. The university has a system of monitoring and encouragement

in the form of indicative planning of teaching staff activities. The indicative plan includes about 48 indicator indicators.

A system of incentives and measures to stimulate professional growth and advanced training of teaching staff is provided not only at the university level, but also at the level of the Higher School of Medicine. One of the incentives to motivate teachers is the competition "The best educational and methodological complex of the discipline", "The best lesson in a distance format" (it was introduced during the period of online learning during the pandemic), the purpose of which is to identify, support and encourage advanced teachers.

Every year, each teacher forms a plan of education in pedagogy and in the specialty in accordance with the plans of the GSOM. Training in pedagogical technologies within the framework of GSOM is carried out formally and informally on a regular basis.

Training is conducted by experienced teachers with advanced training certificates (ESMEA, NBME, National Center for Independent Examination). The department regularly conducts methodological seminars.

In addition, teachers regularly take long-term and short-term foreign advanced training courses. In the departments there is a system of mentoring of young or new teachers by more experienced teachers. To do this, all teaching staff are formed into working groups - responsible for each discipline, in which there is a course leader, members of the working group and a supervisor-mentor.

The advanced training system of KazNU also provides for the presence of special structural units: Institute for Advanced Studies, Center for Innovative Health Care, MOOC Center of the Institute of New Educational Technologies. Specialists of the Department of Information Technologies also conduct regular training (a supervising specialist is attached to each faculty).

al-Farabi [KazNU became](#) an official partner of the fifth stream of the educational movement "Cyberpedagogue" from the Belgian Education Council. The goal of the movement is to learn how to teach quality in an online environment and enjoy this learning format. Within the framework of cooperation, teachers and university staff can take part in master classes for free. al-Farabi KazNU is a participant of the Coursera project for the campus.

Teachers have been trained at Finnish universities in nursing (JAMK, LAMK). They have experience in developing a program and teaching in a joint Kazakh-Finnish master's program from 2015-2020. 12 teachers trained in Kazakh and Russian have TOEFL and IELTS certificates.

### ***Analytical part***

KazNU has developed and implemented a personnel policy that defines the required experience, criteria for scientific, educational, pedagogical achievements, including the balance between teaching, scientific activities, specialist qualifications, their responsibilities and duties of employees. The personnel policy pursued by the university guarantees the recognition of all types of activities of the teaching staff.

When selecting and hiring teaching staff, GSOM is guided by the principles laid down in the GSOM Strategic Plan "Creating a new model of a medical school in the system of higher medical education that meets the requirements of the international educational environment and the needs of the national healthcare system." Search, selection and development of talented teachers in theoretical, basic, pharmaceutical disciplines, able to combine pedagogical activity with practice and scientific research; with knowledge of English, able to focus on personal growth and lifelong learning, having a need for continuous professional training and improving their knowledge and skills both in medicine and pharmacy, and in pedagogy, demonstrating a constant desire for new knowledge and the transfer of knowledge others.

According to the Charter of [Al-Farabi KazNU](#), the faculty has mechanisms for promoting employees with equal access to promotion in terms of qualification growth from assistant to [professor and head of the department](#). The university guarantees the right to elect colleagues and be elected to all governing bodies, in accordance with the current criteria and procedures. Promotion mechanisms, both in the scientific and educational and in the managerial sphere,

provide that each employee has the necessary conditions for work and performance of official duties.

KazNU has a system of monitoring and encouragement in the form of indicative planning of teaching staff activities. Based on the ranking, the teaching staff, departments and faculties are given rating bonuses according to their rating points. Rating allowances teachers receive throughout the next semester after summing up the results of the previous one. The largest share of these allowances is accounted for by indicators of research work. Such a reward system has led to a significant increase in publications, involvement in the research process of students.

At a meeting with the focus group of the teaching staff, it was confirmed that in order to stimulate the scientific activity of the teaching staff, stimulating rating bonuses were established for scientific publications in international peer-reviewed journals, the preparation and publication of textbooks, monographs, teaching aids, for supervising and defending a dissertation for a supervisor.

KazNU ensures that undergraduates acquire the necessary knowledge and competencies based on the study of basic and specialized disciplines, the formation of skills and abilities in the course of professional (pedagogical, research) practice and in the performance of research. Training sessions in the magistracy are carried out by persons who have the academic degree of doctor or candidate of sciences.

***Strengths / best practice***

There are no strengths in this standard.

***EEC recommendations***

not according to this standard.

***Conclusions of the EEC according to the criteria:***

strong positions - 0, satisfactory - 9, imply improvement - 0, unsatisfactory - 0.

6.6. Standard "Educational Resources"

**Evidential part**

KazNU them. al-Farabi owns 14 educational buildings on the territory of 100 hectares. In addition to the buildings of the faculties, the infrastructure of the university includes: the Palace of Students. U.A. Zholdasbekov, Al-Farabi Library, Youth Internet Center, Ai-Tumar Public Catering Plant, Keremet Student Service Center, Sports and Fitness Complex, 14 student houses, swimming pool named after. D. Balandina, Technopark. In the academic building, which houses the Faculty of Medicine, there is also a simulation center.

The Department of Fundamental Medicine occupies a building with a total area of over 5000 sq.m. (St. Tole bi 96), where there are 33 auditoriums for general and special purposes, an assembly hall for 85 seats, 3 lecture rooms, an educational (simulation) pharmacy, a general-purpose chemical-toxicological laboratory, 15 office rooms, a buffet.

Classrooms meet the requirements of sanitary norms and rules for educational organizations. The operation of the premises complies with the requirements of fire safety, labor protection and safety. The department actively uses educational resources in English, all in electronic form and in the form of e-books, and electronic resources on pharmacy in English.

The university has a pass system using individual cards with a unique personal identifier (ID), it is a pass to all university buildings, it serves as a kind of student card when receiving any kind of services on campus, primarily for using the library.

KazNU is constantly developing its scientific base, pays great attention to the development of science and material and technical equipment of the faculties. So, on March 14, 2023, as part of the Erasmus + LMQS project, the Erasmus Center of Excellence was opened in the GSOM building at tole bi 96.

Al-Farabi KazNU, the Higher School of Medicine has a large number of clinical bases and branches of departments for the training of specialists. The teaching staff and students of GSOM carry out clinical and/or practical activities at clinical bases in Almaty and Almaty region. Al-Farabi KazNU signed 53 agreements on joint activities with various clinics. Of these, 6 are Republican institutions (research institutes and scientific centers), 20 are hospitals, as well as 12 industrial and scientific bases of a pharmaceutical profile.

The fund of educational literature in medical specialties is 17,824 textbooks in three languages, scientific literature is 9,700, the total fund (together with periodicals) is 34,200. Thanks to unlimited access to electronic books of the world's largest publishers, students can use thousands of textbooks in e-book format. The presence of wi-fi coverage throughout the campus, dormitories (student's home) allows students to have round-the-clock access to all electronic information resources. The university library system, access to electronic information resources are integrated into the Univer 2.0 system (for example, Oxford UPSO <https://academic.oup.com/journals>).

In addition to the opportunities provided by the al-Farabi library, GSOM students have access to educational information resources: Up-To-Date, Complete Anatomy, Lectorio, Geeky Medics, AMBOSS, USMLEcom, Medscape, Medicalstudyzone, Medicine live.

On the basis of the Faculty of Medicine, an educational pharmacy was organized to master practical skills in the following major disciplines: the organization of pharmaceutical activities, medical and pharmaceutical commodity science, the basics of social pharmacy, the basics of entrepreneurial activity in pharmacy, management and marketing in pharmacy. Educational pharmacy serves to provide students with practical experience and skills in a stimulated environment necessary for the implementation of pharmacy activities. It can also be used to assess the level of practical skills of students.

The University has a sufficient amount of resources that provide conditions for the development of research activities of students and teaching staff.

### ***Analytical part***

EEC experts state that within the framework of the "Educational Resources" standard, during the work of the expert commission of the EEC, visits to departments, practice bases, analysis of the submitted documentation, it was revealed that the material and technical base used to organize the learning process in EP 7M10116 "Pharmacy" and 7M10117 "Pharmacy" is sufficient, meets the requirements.

At the same time, the commission notes that the classroom fund involved in the implementation of EP 7M10116 "Pharmacy" and 7M10117 "Pharmacy" is not sufficiently equipped with modern high-tech pharmaceutical equipment.

Classrooms and scientific laboratories and other premises used in the implementation of the EP comply with the established safety standards and rules. Safety briefings are regularly conducted with students and faculty. The implementation of educational programs at the university is ensured by the free access of each student to information resources and the library fund.

The process of practice-oriented training in accordance with 7M10116 and 7M1017 "Pharmacy" is ensured through its implementation in pharmacy organizations, pharmaceutical enterprises, according to the discipline or practice being studied, on the basis of concluded agreements with practice bases.

EEC confirms the existence of student support systems, including support through the university website, through personal appeals to the dean, vice-rector, rector, curator, mentor, advisor. During the interview, the students expressed their complete satisfaction with the training, scientific work, food and medical care, living in hostels.

Members of the EEC believe that the existing material and technical base of the university contributes to the expansion of forms and methods of attracting undergraduates to participate in scientific research in the field of pharmacy, publication activity.

At the same time, bachelors, undergraduates and teaching staff are not involved in academic mobility programs both in Kazakhstan and abroad.

***Strengths / best practice***

There are no strengths in this standard.

***EEC recommendations***

1. The management of the University and 7M10116 and 7M1017 "Pharmacy" during the 2023-2024 academic year, equip the educational process with modern high-tech pharmaceutical equipment.
2. The management of the University and 7M10116 and 7M1017 "Pharmacy" during the 2023-2024 academic year to increase the number of specialized laboratory classrooms for the formation of practical skills.
3. The leadership of the University and 7M10116 and 7M1017 "Pharmacy" from the new academic year to promote the participation of faculty and students in academic mobility programs in the Republic and abroad and allocate appropriate resources for these purposes.

***Conclusions of the EEC according to the criteria:***

strong positions - 0, satisfactory - 11, suggest improvements - 3, unsatisfactory - 0.

## 6.7. Standard "Evaluation of the educational program"

**Evidential part**

Al-Farabi KazNU has a system for monitoring the educational process and analyzing the results, including systems for collecting data and automatically generating reports. Routine collection and analysis of data is carried out by the information system for automating the educational process "Univer 2.0".

At the level of the department (available to the head of the department and deputy head of the department for water resources management) - 34 forms of reports on current progress and examination results; 4 forms for monitoring teaching materials, in addition to the fact that the quantity and quality of teaching materials can be tracked for each teacher and each group separately; reports on the contingent of students (6 main forms), reports on admission (admission committee); reports on teaching load; assessment and GPA reports, as well as student and teaching staff survey reports.

The university has created and successfully operates the System of Quality Assurance in Education at al-Farabi KazNU. It is based on the European standards and guidelines of the European Association for Quality Assurance in Higher Education (ENQA). The University has an education quality assurance policy and documented procedures for a quality management system that determine the required level of quality of educational services provided and ensure its achievement. <https://www.kaznu.kz/ru/20588/page/>

To ensure the quality of the educational process at the Faculty of Medicine, the EP Quality Committee was established, whose competence includes monitoring the quality of the development and implementation of educational programs and presenting methodological recommendations to the graduating departments and the Academic Council of the faculty (<https://www.kaznu.kz/ru/20561/page/>).

Monitoring and evaluation of the quality of educational services at the University are carried out by the Center for Accreditation and Quality of Educational Programs. The University develops and implements a strategy to improve the quality of education within the framework of the Development Strategy of al-Farabi KazNU.

As part of the Center for Accreditation and Quality of Educational Programs of KazNU. Al-Farabi has a quality control service for educational programs. The purpose of the service is to control the quality of educational programs and the development of test forms of knowledge



control of students at the University, the analysis of the quality of control tools in the disciplines and their standardization.

The results of the session are discussed at the HSM methodological bureau and work is systematically carried out on the processing of syllabuses, methodological materials, the control and measurement system and the assessment system itself.

Students and other stakeholders make a key contribution to the formation of the policy and mechanisms of the university in the field of quality and standards. University teaching staff, both individually and in groups, take responsibility for improving the quality of teaching, while bachelors and masters, as adult students, take responsibility for their own learning.

Monitoring of the training sessions is carried out by the Center for Situational Management of the University.

All educational programs of the university, in the prescribed manner, undergo an external examination and are included in the national Register of educational programs.

Educational programs are focused on learning outcomes. All stakeholders, including students and employers, are involved in the process of developing educational programs and monitoring educational activities within the framework of the EP.

In order to control the quality of the development of the EP, the program undergoes an evaluation procedure within the university and is sent for external examination to representatives of employers, the public and the academic environment.

Also at the university there is a position of the EP coordinator (usually this is the EP developer), whose task is the operational management of the EP.

To monitor educational activities and provide a feedback system with students at Al-Farabi KazNU uses the results of several research projects conducted on a regular basis by the Center for Sociological Research and Social Engineering (CSR&SE al-Farabi KazNU) since 2010. Every year the monitoring results are discussed at the Academic Council of the University.

### ***Analytical part***

EEC experts note that within the framework of the standard "Evaluation of the educational program" for accredited educational programs, during the work of the expert commission and the analysis of the submitted documentation, compliance with the requirements of the standard was revealed. Students, teaching staff and employees of the University have the right at any time to send their comments, complaints and suggestions on any issues related to the organization and quality of the scientific and educational process at the University through oral or written appeals addressed to responsible persons.

Having analyzed the work of the EP according to this standard, the commission notes that the university has an EP assessment system based on the use of various methods for collecting, processing and analyzing information in the context of the EP and the University as a whole. Data are given that testify to the involvement of the teaching staff, students and staff of the university in the process.

A survey of students and employers is being conducted, which was confirmed by the focus group participants. The results containing the evaluation of educational programs are heard at extended meetings with the participation of heads of organizations of practical healthcare.

### **Strengths / best practice**

There are no strengths in this standard.

### **EEC recommendations:**

not according to this standard.

### **Conclusions of the EEC according to the criteria:**

strong positions - 0, satisfactory - 9, imply improvement - 0, unsatisfactory - 0.

## 6.8. Standard "Management and Administration"

### ***Evidential part***

Management of KazNU is carried out in accordance with the legislation of the Republic of Kazakhstan and the Charter of the University on the principles of unity of command and collegiality.

The responsibility of the academic leadership regarding the development and management of the educational program is studied and evaluated on the basis of an analysis of the fulfillment of the goals and objectives of the strategic plan, internal audit reports, and the results of the work of internal and external commissions.

The results of academic activity, the effectiveness of modern forms of management of the educational process are considered and discussed in the final reports of the rector, vice-rectors and heads of key structural units at annual traditional conferences.

Al-Farabi KazNU has clear terms of reference and authority to provide the educational program with resources, including a targeted budget for education. KazNU, by its legal status, is a non-profit joint stock company that operates in the mode of financial and economic self-government.

All financial resources of KazNU are aimed at supporting educational, research activities and improving the infrastructure of an educational organization. The University has the opportunity, in accordance with regulatory documents, to independently direct financial resources to achieve the final learning outcomes.

### ***Analytical part***

The implementation of educational programs takes place at the departments that directly implement the cycle of basic and profile disciplines. The Academic Committee No. 13, the Quality Committee, the Academic Council are responsible for improving the quality of the educational program of the magistracy 7M10116 and 7M1017 "Pharmacy".

The results of academic activities, the effectiveness of modern forms of management of the educational process, the prospects for further improvement of management and improving the quality of education are considered and discussed at meetings and conferences.

The members of the EEC, based on the results of a survey of teaching staff and students, found that the vast majority of respondents highly appreciate the activities of the top management of the university and the administration of the medical faculty.

As a result of interviews with employers, the commission noted the constructive interaction of the pharmaceutical healthcare sector with KazNU through joint participation in the development, implementation and updating of educational programs, providing data to students and teaching staff for scientific research.

At the same time, there is no complete and reliable information about educational programs and their achievements on the official website of the university and in the media.

### ***Strengths / best practice***

### ***EEC recommendations***

The leadership of the University and EP 7M10116 and 7M1017 "Pharmacy" from the 2023-2024 academic year publish on the official website and in the media complete and reliable information about the educational program, its achievements.

### ***Conclusions of the EEC according to the criteria:***

strong positions - 0, satisfactory - 13, imply improvement - 1, unsatisfactory - 0.

## **(VII) OVERVIEW OF STRENGTHS/BEST PRACTICE FOR EACH STANDARD**

### **7.1.1 Mission and results standard**

There are no strengths in this standard.

### **7.1.2 Standard "Educational program"**

There are no strengths in this standard.

### **7.1.3 Student assessment standard**

There are no strengths in this standard.

### **7.1.4 Standard "Learners"**

Availability of a comprehensive student support program at the Keremet Student Service Center.

### **7.1.5 Standard "Academic Staff/Teachers"**

There are no strengths in this standard.

### **7.1.6. Standard "Educational Resources"**

There are no strengths in this standard.

### **7.1.6. Standard "Educational Resources"**

There are no strengths in this standard.

### **7.1.8 Management and administration standard**

There are no strengths in this standard.

## **(VIII) OVERVIEW OF RECOMMENDATIONS FOR IMPROVING QUALITY**

### **8.1.1 Mission and results standard**

The leadership of the Academic Committee and the EP by the 2023-2024 academic year to review the results of the EP in 3 educational trajectories.

### **8.1.2 Standard "Educational program"**

There are no recommendations for this standard.

### **8.1.3 Student assessment standard**

There are no recommendations for this standard.

### **8.1.4. Standard "Students"**

There are no recommendations for this standard.

### **8.1.5 Standard "Academic Staff/Teachers"**

There are no recommendations for this standard.

### **8.1.6 Standard "Educational Resources"**

1. The management of the University and 7M10116 and 7M1017 "Pharmacy" during the 2023-2024 academic year, equip the educational process with modern high-tech pharmaceutical equipment.
2. The management of the University and 7M10116 and 7M1017 "Pharmacy" during the 2023-2024 academic year to increase the number of specialized laboratory classrooms for the formation of practical skills.
3. The leadership of the University and 7M10116 and 7M1017 "Pharmacy" from the new academic year to promote the participation of faculty and students in academic mobility programs in the Republic and abroad and allocate appropriate resources for these purposes.

#### **8.1.7 Standard "Evaluation of the educational program"**

There are no recommendations for this standard.

#### **8.1.8 Management and administration standard**

The leadership of the University and EP 7M10116 and 7M1017 "Pharmacy" from the 2023-2024 academic year publish on the official website and in the media complete and reliable information about the educational program, its achievements.

### **(IX) OVERVIEW OF THE RECOMMENDATION FOR THE DEVELOPMENT OF EDUCATIONAL ORGANIZATION**

During the work of the EEC, which took place in a hybrid format, interviews were conducted with all participants in the educational process and structural divisions of the university.

Based on the results of face-to-face and online communication with the university administration, heads of structural divisions, teaching staff, students, employers, convincing data was obtained indicating the systematic nature of work to improve the quality of the educational process, conditions for personal and professional growth, maintaining health, ensuring the safety of students, teaching staff and other structures of the educational organization.

EEC especially focuses on active work to develop the system of academic mobility, improve the material and technical support of the educational process and the information openness of educational programs.

### **(X) RECOMMENDATION TO THE ACCREDITATION BOARD**

The members of the external expert commission came to the unanimous opinion that the educational programs 7M10116 and 7M1017 "Pharmacy" implemented by the Non-Profit Joint Stock Company "Al-Farabi Kazakh National University" can be accredited for a period of 5 years.

Appendix 1. Evaluation table "PARAMETERS of the SPECIALIZED PROFILE" EP 7M10116  
and 7M1017 "Pharmacy"

№	№	EVALUATION CRITERIA	The position of organization of education			
			Strong	Satisfactory	Improvement	Unsatisfactory
Standard 1 "MISSION AND RESULTS"						
Mission definition						
The organization of education should:						
1	1.1.1.	Define the mission of the postgraduate level of EP and bring it to the attention of stakeholders and the health sector.		+		
2	1.1.2.	Define a training program that allows you to prepare a specialist at the level of postgraduate education in the field of healthcare: competent in any field of medicine, including all types of medical practice, management and organization of healthcare; able to work independently at work at a high professional level and in a team, if necessary; with a commitment to lifelong learning, including professional responsibility to support the level of knowledge and skills through performance assessment, audit, study of one's own practice and recognized activities in Continuing Medical Education and Continuing Professional Development (CME/CPD).		+		
3	1.1.3	ensure that the mission covers the consideration of the health needs of the community or society, the needs of the health system and other aspects of social responsibility, if necessary.		+		
4	1.1.4.	encourage the organization and conduct of scientific research of postgraduate students, as well as innovations in the educational process, allowing the development of broader competencies than the minimum required		+		
1.2 Institutional autonomy and academic freedom						
The organization of education should:						
5	1.2.1.	have a training process that is based on recognized basic medical and pharmaceutical education and contributes to strengthening the professionalism of the student		+		
6	1.2.2.	ensure that the training process promotes professional autonomy to enable the graduate to act in the best interests of the patient and society		+		
1.3. Learning outcomes						
The organization of education should:						
7	1.3.1.	to determine the expected learning outcomes that students should achieve upon completion of their postgraduate level achievements in terms of knowledge, skills, professional behavior and thinking; the appropriate basis for a future career in the chosen branch of medicine; their future roles in the health sector; commitment and skills in the implementation of continuing education; the health needs of society, the needs of the health system and other aspects of social responsibility		+		
8	1.3.2.	identify the general and specialty-specific (discipline) components of learning outcomes that students need to achieve			+	
9	1.3.3.	ensure proper professional behavior of students in relation to classmates, teachers, medical staff, patients and their relatives		+		
10	1.3.4.	determine the expected learning outcomes based on the previous level of education.		+		
1.4. Participation in the formulation of mission and learning outcomes						
The organization of education should:						

11	1.4.1.	ensure the participation of key stakeholders in the formulation of the mission and expected learning outcomes		+		
12	1.4.2.	ensure the participation of key stakeholders in the formulation of the mission and expected learning outcomes		+		
Total			0	11	1	
Standard 2 "EDUCATIONAL PROGRAM"						
2.1 Learning approach						
The organization of education should:						
13	2.1.1.	to determine the approach to training based on the expected learning outcomes and official certificates of qualification provided as a basis for official recognition of a specialist in the chosen field of medicine at the national and international level.		+		
14	2.1.2.	to define an approach to teaching based on the results of basic medical education, systematically and transparently including and supporting the student in responsibility for their own learning process		+		
15	2.1.3.	describe the general and discipline-specific learning components, use teaching and learning methods that are suitable for both practice and theory, identify the teaching and learning methods used that stimulate, prepare and support students to take responsibility for their learning process		+		
16	2.1.4.	ensure that the educational program is implemented in accordance with the principles of equality		+		
17	2.1.5.	guide the learner through mentoring and regular evaluation and feedback, increase the degree of independent responsibility of the learner as skills, knowledge and experience improve.		+		
2.2 Scientific method						
The organization of education should:						
18	2.2.1.	instill in students the principles of scientific methodology according to the level of postgraduate education and provide evidence that the student achieves knowledge and understanding of the scientific base and methods of the chosen field of medicine		+		
19	2.2.2.	provide evidence that the student is getting acquainted with evidence-based medicine as a result of broad access to relevant clinical/practical experience in the chosen field of medicine		+		
20	2.2.3.	to include in the EP official teachings on the critical evaluation of literature and scientific data, the results of modern scientific research; to provide students with access to research activities; in the EP to correct and change the content of scientific developments		+		
2.3 Training content						
The organization of education should:						
21	2.3.1.	to include in the learning process the practice and theory of biomedical, clinical, behavioral and social sciences, clinical solutions, communication skills, medical ethics, public health, medical jurisprudence, management disciplines		+		
22	2.3.2.	organize an educational program with appropriate attention to patient safety		+		
23	2.3.3.	to make changes to the EP to ensure the development of knowledge, skills and thinking of the various roles of the graduate and the correspondence of the content of the EP to the changing conditions and needs of society and the health system		+		
2.4 Structure of the educational program, composition and duration						
The organization of education should:						
24	2.4.1.	to describe the content, scope and sequence of courses and other elements of the educational program, to identify mandatory and selective components, to combine practice and theory in the learning process, to ensure compliance with national legislation		+		
25	2.4.2.	to take into account the results of basic medical and pharmaceutical education in relation to the choice of the field of medicine, the requirements for the performance of various roles in the healthcare system for the future graduate		+		

2.5 The relationship between education and health practice							
The organization of education should:							
26	.5.1.	2	describe and observe the integration between theoretical training and professional development, guarantee the integration of training and professional internship, including through on-the-job training		+		
27	.5.2.	2	to effectively organize the use of the capabilities of the healthcare system for training purposes, including in terms of providing practice at the workplace, to ensure that such training is additional and does not comply with the requirements for the provision of health services		+		
2.6 Training Management							
The organization of education should:							
28	2.6.1.		define responsibilities and authorities for the organization, coordination, management and evaluation of the individual learning environment and learning process		+		
29	2.6.2.		include in the planning and development of the educational program due representation from teaching staff, students and other key and relevant stakeholders.		+		
30	2.6.3.		guarantee a variety of training places, coordinate numerous training places to obtain appropriate access to various aspects of the chosen field of medicine access to the resources necessary for planning and implementing teaching methods and evaluating students and introducing innovations in the training program		+		
Total				-	18	-	
Standard 3 "Student Assessment"							
3.1 Assessment methods							
The organization of education should:							
31	3.1.1.		define and approve the principles, methods and practices used to evaluate students, including the number of exams, criteria for establishing passing scores, grades and the number of allowed retakes;		+		
32	3.1.2.		ensure that assessment procedures cover knowledge, skills, attitudes and professional behavior		+		
33	3.1.3.		use a wide range of assessment methods and formats depending on their "utility assessment", including a combination of validity, reliability, impact on learning, acceptability and effectiveness of assessment methods and format		+		
34	3.1.4.		ensure that the evaluation process and methods are open (accessible) for examination by external experts;		+		
35	3.1.5.		ensure that assessment methods and results avoid conflicts of interest and uses a system of appealing student assessment results.		+		
36	3.1.6.		to ensure the openness of the evaluation procedure and its results, to inform students about the criteria and evaluation procedures used		+		
37	3.1.7.		document and evaluate the reliability and validity of assessment methods, as well as involve external examiners, introduce new assessment methods in accordance with the need; encourage the examination process by external experts; if necessary, organize a "different opinion", a change of teaching staff or additional training		+		
3.2 The relationship between assessment and learning							
The organization of education should:							
38	3.2.1.		to use the principles, methods and practices of assessment that are comparable with the planned LO and methods of teaching and learning, guarantee the achievement of the planned learning outcomes, facilitate the training of students, provide an appropriate balance of formative and final assessment for the direction of learning and decision-making on academic performance		+		
39	3.2.2.		adjust the number and nature of exams to encourage both knowledge acquisition and integrated learning		+		
40	3.2.3.		provide timely, specific, constructive and fair feedback to students based on the assessment results		+		

Total			0	10	0	
Standard 4 "STUDENTS"						
4.1 Admission and selection Policy						
The organization of education should:						
41	4.1.1.	to define and implement an admission policy based on the principles of objectivity and including a clear statement about the selection process of students		+		
42	4.1.2.	to ensure a balance between learning opportunities and the admission of students, formulate and implement policies/ rules for the selection of students according to established criteria		+		
43	4.1.3.	to have a policy and implement the practice of admission of students with disabilities in accordance with applicable laws and regulatory documents of the country		+		
44	4.1.4.	have a policy and implement the practice of transferring students from other educational institutions, including foreign ones		+		
45	4.1.5.	establish a link between the selection and the mission of the educational organization, the EP and the desired quality of graduates, provide a mechanism for appealing admission decisions		+		
46	4.1.6.	use a system for appealing admissions decisions, guarantee transparency of the selection procedure, periodically review the admission policy based on relevant social and professional data to meet the needs of healthcare and society		+		
4.2 Recruitment of students						
The organization of education should:						
47	4.2.1.	to determine the number of accepted students in accordance with the capabilities of the educational organization at all stages of the educational program		+		
48	4.2.2.	periodically regulate the number and contingent of accepted students, taking into account the opinion of stakeholders responsible for planning and developing human resources in the health sector in order to meet the medical needs of the population and society as a whole		+		
49	4.2.3.	periodically review the number and nature of accepted students in consultation with other stakeholders and regulate in order to meet the health needs of the population and society as a whole		+		
4.3 Advising and supporting students						
The organization of education should:						
50	4.3.1.	to have a system of academic counseling of students		+		
51	4.3.2.	to offer students a support program aimed at social, financial and personal needs, allocating appropriate resources and ensuring confidentiality of counseling and support	+			
52	4.3.3.	to have a feedback system with students to assess the conditions and organization of the educational process to provide students with documents confirming their		+		
53	4.3.4.	to provide students with documents confirming their qualifications (diploma) and diploma supplement (transcript)		+		
54	4.3.5.	to take into account the needs of different groups of students and to provide an opportunity for the formation of an individual educational trajectory		+		
55	4.3.6.	to provide academic counseling, which is based on monitoring the student's progress and includes career planning issues; offers a support program for students aimed at social, financial and personal needs; to ensure confidentiality regarding counseling and support, support in the event of a professional crisis		+		
4.4 Representation of students						
The organization of education should:						
56	4.4.1.	to develop and implement a policy of student representation and their proper participation in defining the mission, developing, managing and evaluating the educational program, planning conditions for students		+		
57	4.4.2.	to encourage students to participate in decision-making about the processes, conditions and rules of training.		+		



Total			1	16	0	
Standard 5 "ACADEMIC STAFF/TEACHERS"						
Personnel Selection Policy						
The educational organization should develop and implement a staff selection and recruitment policy, which:						
58	5.1.1.	contains criteria for the scientific, pedagogical and clinical/professional merits of applicants, including the proper ratio between pedagogical, scientific and professional qualifications		+		
59	5.1.2.	defines the duties of teachers, including the balance between teaching, scientific and other functions, considering the mission of the EP, the needs of the education system and the needs of the health system.		+		
60	5.1.3.	takes into account the necessary work experience		+		
61	5.1.4.	determine the responsibility of the academic staff in terms of its participation in postgraduate education; determine the level of remuneration for participation in postgraduate education;		+		
62	5.1.5.	ensure that teachers have practical experience in the relevant field, that teachers of narrow specialties, if necessary, are approved for the appropriate training periods, depending on their qualifications.		+		
5.2 Employee commitment and development						
The educational organization should develop and implement a policy of activity and staff development, which is aimed at:						
63	5.2.1.	ensuring that teachers have enough time for training, counseling and independent development		+		
64	5.2.2.	the presence of a structure responsible for the development of academic staff, ensuring periodic evaluation of academic staff		+		
65	5.2.3.	develop and implement a policy to support the academic staff on pedagogy and advanced training for further professional development; evaluate and recognize the scientific and academic achievements of teachers		+		
66	5.2.4.	take into account the ratio of "teacher-student" depending on the various components of the EP, taking into account the features that ensure close personal interaction and monitoring of students.		+		
Total			0	9	0	
Standard 6 "EDUCATIONAL ENVIRONMENT AND RESOURCES"						
6.1 Logistics and equipment						
The organization of education should:						
67	6.1.1.	to ensure the availability of sufficient, accessible and relevant educational resources			+	
68	6.1.2.	to improve the learning environment through regular updating, expansion and strengthening of the material and technical base and equipment to maintain the appropriate quality of education at the postgraduate level				
6.2 Educational environment						
The organization of education should:						
69	6.2.1.	provide the necessary resources to provide students with appropriate clinical/practical experience, including: quality and categories of patients/consumers of services, quantity and categories of clinical/production bases; monitoring the practice of students		+		
70	6.2.2.	in choosing the learning environment to ensure appropriate experience in all aspects of the chosen specialty, including training in organization and management in the field of health and disease prevention		+		
6.3 Information technology						
The organization of education should:						
71	6.3.1.	develop and implement a policy aimed at the effective and ethical use and evaluation of relevant information and communication technologies		+		
72	6.3.2.	provide access to websites or other electronic media		+		

73	6.3.3.	optimize access for teachers and students to relevant patient data and health information systems using existing and relevant new information and communication technologies for self-study, access to information, patient databases and work with healthcare information systems		+		
6.4. Research in the field of medicine/pharmacy and scientific achievements						
The organization of education should:						
74	6.4.1.	use research activities and scientific achievements in the field of medicine, pharmacy as the basis for an educational program		+		
75	6.4.2.	formulate and implement policies that strengthen the relationship between scientific research and education; provide information about the research base and priority areas in the field of scientific research of the organization of education		+		
76	6.4.3.	ensure that the relationship between scientific research and education is taken into account in teaching, encourages and prepares students to participate in scientific research in the field of health		+		
6.5 Expertise in the field of education						
The organization of education should:						
77	6.5.1.	have access to educational expertise of processes, practices and problems of medical and pharmaceutical education with the involvement of specialists, educational psychologists, sociologists at the university, interuniversity and international levels; develop and implement an expertise policy in the development, implementation and evaluation of educational programs, development of teaching methods and evaluation		+		
78	6.5.2.	demonstrate evidence of the use of internal or external educational expertise in staff development, taking into account current experience in medical/pharmaceutical education and promoting the interests of staff in conducting research in education		+		
6.6 Exchange in the field of education						
The organization of education should:						
79	6.6.1.	formulate and implement a policy on national and international cooperation with other educational organizations, including the mobility of staff and students, as well as the transfer of educational credits and learning outcomes		+		
80	6.6.2.	promote the participation of teachers and students in academic mobility programs at home and abroad and allocate appropriate resources for these goals				
Total			0	11	3	
Standard 7 "EVALUATION OF THE EDUCATIONAL PROGRAM"						
7.1. Monitoring, control and evaluation mechanisms of the program						
The organization of education should:						
81	7.1.1.	have regulated procedures for monitoring, periodic evaluation of the educational program and learning outcomes, progress and academic performance of students		+		
82	7.1.2.	develop and apply an educational program evaluation mechanism that reviews the program, its main components, students' academic performance, identifies and solves problems, ensures that the relevant evaluation results affect the EP		+		
83	7.1.3.	periodically evaluate the program, comprehensively considering the educational process, components of the educational program, expected learning outcomes and social responsibility		+		
7.2. Feedback from the teacher and the student						
The organization of education should:						
84	7.2.1.	systematically conduct, analyze and respond to feedback from teachers and students		+		
85	7.2.2.	use the feedback results to improve the educational program		+		
7.3. Educational achievements of students						
The organization of education should:						

86	7.3.1.	analyze the academic performance of students and graduates in accordance with the mission and expected learning outcomes, the training program and the availability of resources		+		
87	7.3.2.	to analyze the academic performance of students and graduates, taking into account the conditions of their previous training, the level of preparation for admission; use the results of the analysis to interact with the structural unit responsible for the selection of students, the development of an educational program, advising students		+		
7.4. Approval and control of the educational environment						
88	7.4.1.	provide evidence that the EP has been approved by the competent authority on the basis of: clearly defined criteria; evaluation of the program; compliance with qualification requirements		+		
89	7.4.2.	develop and implement a system for monitoring the educational environment and other educational facilities, including visits to facilities and other relevant resources		+		
Total				9		
Standard 8. MANAGEMENT AND ADMINISTRATION						
8.1. Management						
The organization of education should:						
90	8.1.1.	ensure that the EP is implemented in accordance with the rules regarding the admission of students; structure and content, assessment process		+		
91	8.1.2.	document the completion of training by issuing degrees, diplomas, certificates or other official certificates of qualification provided as the basis for official recognition of a specialist in the chosen field of healthcare.		+		
92	8.1.3.	to be responsible for quality assurance processes, to guarantee the continuous evaluation of EP		+		
93	8.1.4.	to ensure compliance of the EP with the needs of society in the level of health and the health system, to ensure transparency of the work of management structures and their decisions		+		
8.2. Academic Leadership						
The organization of education should:						
94	8.2.1.	determine the responsibility of the academic leadership in relation to the development and management of the educational program.		+		
95	8.2.2.	periodically evaluate academic leadership in relation to the achievement of the mission of the EP and the expected learning outcomes		+		
8.3. Financing and allocation of resources						
The organization of education should:						
96	8.3.1.	have a clear distribution of responsibility and authority to provide resources for the educational program, including budget management of EP		+		
97	8.3.2.	manage the budget in such a way as to comply with the mission and results of the EP, ensuring the functional responsibilities of the academic staff and students.		+		
8.4. Administrative staff and management						
The organization of education should:						
98	8.4.1.	have administrative and professional staff to implement the educational program and related activities, ensure proper management and allocation of resources		+		
99	8.4.2.	to ensure the participation of all departments of the educational organization in the processes and procedures of the internal quality assurance system		+		
8.5. Requirements and regulations						
The organization of education should:						
100	8.5.1.	comply with national legislation regarding the number and type of recognized specialties in the field of health care, for which		+		

		approved programs of postgraduate medical education are being developed, in cooperation with all interested parties				
101	8.5.2.	approve postgraduate medical education programs in cooperation with all interested parties		+		
8.6. Informing the public						
The organization of education should:						
102	8.6.1.	to publish on the official website of the educational organization and in the media complete and reliable information about the educational program, its achievements			+	
103	8.6.2.	to publish on the official website objective information about the employment and demand for graduates		+		
Total			0	13	1	
Standard 9 "CONSTANT UPDATING"						
The organization of education should be a dynamic and socially responsible institution:						
104	9.1.1.	initiate procedures for regular review and updating of the process, structure, content, learning outcomes/competencies, assessment of knowledge and skills, learning environment of the EP; document and eliminate deficiencies; allocate resources for continuous improvement		+		
105	9.1.2.	<p>provide for the possibility to solve the following issues during the update process:</p> <ul style="list-style-type: none"> <li>to base the renewal process on prospective research in the field of healthcare and on the results of their own study, evaluation and literature on medical/pharmaceutical education;</li> <li>ensure that the process of renewal and restructuring leads to a review of policies and practices in accordance with previous experience, current activities and prospects for the future;</li> <li>to solve the following issues in the updating process: <ul style="list-style-type: none"> <li>to base the updating process on prospective studies and analyses and on the results of their own study, evaluation and literature on medical education;</li> <li>to ensure that the process of renewal and restructuring leads to a revision of the policy and practice of postgraduate education in accordance with previous experience, current activities and prospects for the future;</li> </ul> </li> <li>direct the renewal process to adapt the mission statement and expected results to the scientific, socio-economic and cultural development of society;</li> <li>direct the updating process to modify the expected learning outcomes of graduates in accordance with the documented needs of the environment and the labor market, including clinical skills, training in public health issues and participation in the process of providing medical care to patients in accordance with the responsibilities that are assigned to graduates after graduation;</li> <li>direct the updating process to adapt learning approaches and teaching methods to ensure their compliance and relevance;</li> <li>direct the updating process to adjust the structure, content and duration of EP and their relationship in accordance with advances in biomedical, behavioral, social and clinical sciences, with changes in the demographic situation and health status/morbidity structure of the population and socio-economic and cultural conditions, and the adjustment process will ensure the inclusion of new relevant knowledge, concepts and methods, and the exclusion of obsolete;</li> <li>to direct the updating process to the development of evaluation principles and methods, and methods of conducting and the number of exams in accordance with changes in learning outcomes and teaching and learning methods;</li> <li>direct the renewal process to adapt the student recruitment policy and selection methods, taking into account changing expectations and circumstances, human resource needs, changes in the postgraduate education system and the needs of the EP;</li> </ul>		+		

	<p>direct the renewal process to adapt the recruitment policy and the formation of academic staff in accordance with changing needs</p> <p>direct the renewal process to update educational resources in accordance with changing needs, such as, for example, the recruitment of students, the number and profile of academic staff, EP and modern teaching methods.</p> <p>direct the update process to improve the process of monitoring, control and evaluation of EP;</p> <p>to direct the renewal process to improve the organizational structure and management principles to ensure effective performance in the changing circumstances and needs of postgraduate education, and, in the future, to meet the interests of various groups of stakeholders.</p>				
Total		0	2	0	
Tota		1	99	5	

