



«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 the external expert commission for the evaluation of educational programs of the CIME Bachelor's degree 6BM 10116 «Medicine», 6BM 10114 «Pediatric», 6BM 10115 «Dentistry» and 6BM 10113 «Medical and preventive care», implemented by the non-profit joint stock company «Asfendiyarov Kazakh National University» for compliance with the requirements of the Standards of international program accreditation of basic medical and pharmaceutical education (based on WFME/ESG/AMSE standards) from April 16 to 18, 2024

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

*Addressed to  
the IAAR Accreditation Council*



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Almaty

«24 » april, 2024

## (I) DESIGNATIONS AND ABBREVIATIONS

AC - Academic Council  
 AIS - Automated Information System  
 AS - Administrative staff  
 BD - Basic disciplines  
 IRD - Internal regulatory documents  
 IC - Intradepartmental control  
 HEI - Higher education institution  
 SCSE - The State compulsory standard of education  
 SAC - State Attestation Commission  
 GVFMС - Guaranteed volume of free medical care  
 DAW - Department of Academic Work  
 DSHR - Department of Science and Human Resources  
 DDHR - Department of Development and Human Resources  
 DOW - Department of Operational Works  
 DEF - Department of Economics and Finance  
 DLT - Distance learning technologies  
 ECTS - European Credit Transfer System  
 UNT - Unified National Testing  
 IAPE- Institute of Additional Professional Education  
 FSC - Final state certification  
 IC - Individual curriculum  
 FLO- Final learning outcomes  
 TMI - Testing and measuring instruments  
 IMIS - Integrated medical information system  
 CEP - Committee of Educational Programs  
 QAC - Quality Assurance Commission  
 CED - Catalog of elective disciplines  
 LEC - Local ethics committee  
 MH RK - Ministry of Health of the Republic of Kazakhstan  
 MSHE RK - Ministry of Science and Higher Education  
 MD - Multifunctional device  
 NJSC KazNMU - Non-profit Joint-stock Company “Asfendiyarov Kazakh National Medical University”  
 CIME - Continuous integrated medical education  
 SRW - Scientific research work  
 S’sRW - Student’s research work  
 STP - Scientific and technical project  
 SRI - Scientific Research Institute  
 SRI FAM - B.Atchabarov Scientific Research Institute of Fundamental and Applied Medicine  
 SPA - Scientific-production association  
 NTC - National Testing Center of DP and CEP- Department of Planning and Control of the Educational Process  
 GED - General education disciplines  
 EP - Educational program  
 OSPE - Objective structured practical examination  
 OSCE- Objective structured clinical examination  
 SD - Specialized disciplines  
 TS - Teaching staff

PHC- Primary health care  
LO - Learning Outcomes  
WCP - Working curriculum plan  
IQAS - Internal Quality Assurance System  
SOP - Standard operating Procedures  
QMS - Quality Management System  
IWS - Independent work of the student  
IWST - Individual work of the student with the teacher  
SC - Simulation center  
SCP - Standard curriculum plan  
CP - Curriculum plan  
AC - Academic Council  
EMD - Educational and Methodological Department  
HM - Healthcare management  
PhD - Doctor of Philosophy  
SPH- School of Public Health  
SGM – School of General Medicine  
PBL - Problem-based learning  
RBL - Research based learning  
TBL - Team-based learning



## (II) INTRODUCTION

In accordance with Order №48-24-ОД dated 02.02.2024 of the Independent Agency for Accreditation and Rating (hereinafter – IAAR) from April 16 to 18, 2024 the external expert Commission (EEC) evaluated the educational programs of continuous integrated medical education (CIME) 6B10116 "Medicine", 6B10117 "Pediatrics", 6B10118 "Dentistry", 6B10119 "Medical preventive care" for compliance with the standards of the international primary accreditation of basic medical and pharmaceutical education programs IAAR based on the standards of WFME/AMSE/ESG (Republic of Kazakhstan) dated December 21, 2022 №150-22-ОД, implemented by the NJSC “Asfendiyarov Kazakh National Medical University” (hereinafter - KazNMU or University).

The report of the external Expert commission (EEC) contains an assessment of the submitted educational programs according to the IAAR criteria, recommendations of the EEC for further improvement of educational programs and parameters of the profile of educational programs.

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

**IAAR expert, Chairman of the EEC** - Bogomolova Elena Sergeevna, MD, Volga Research Medical University of the Ministry of Health of the Russian Federation (Russian Federation, Nizhny Novgorod) *offline participation;*

**IAAR expert** – Uzbekova Saltanat Esengaliyevna, candidate of medical sciences, NJSC "Semey Medical University" (Republic of Kazakhstan, Semey) *offline participation;*

**IAAR expert** – Nugmanova Aigul Maratovna, MD, NEO "Kazakh-Russian Medical University" (Republic of Kazakhstan, Almaty) *offline participation;*

**IAAR expert** – Ismailova Aigul Amanzholovna, MD, Professor, Academician of the Academy of Sciences, NJSC "Astana Medical University" (Republic of Kazakhstan, Astana), *offline participation;*

**IAAR expert** – Sultanova Gulnar Dostanovna, candidate of medical sciences, NJSC "West Kazakhstan Medical University" (Republic of Kazakhstan, Aktobe) *offline participation;*

**IAAR expert** – Seidakhmetova Aizat Ashimkhanovna, candidate of medical sciences, JSC South Kazakhstan Medical Academy (Republic of Kazakhstan, Shymkent), *offline participation;*

**IAAR expert** – Buribayeva Zhanara Kuanyshbekovna, MD, Associate Professor, Kazakhstan Medical University "Higher School of Public Health" (Republic of Kazakhstan, Almaty), *offline participation;*

**IAAR expert** – Zharylkasyn Zhenisbek Zharylkasynuly, candidate of medical sciences, Associate Professor, NJSC "Medical University of Karaganda", (Republic of Kazakhstan, Karaganda), *offline participation;*

**IAAR expert, EEC employer** - Asen Aigul Asenkyzy, PhD, Director of the SCE under REM the City Polyclinic №7 (Republic of Kazakhstan, Almaty), *offline participation;*

**IAAR expert, EEC employer** - Koishyman Ernar Yerkinbekuly, Deputy Chief Physician of LLP “Neurorehabilitation Center “Luch” (Republic of Kazakhstan, Karaganda), *online participation;*

**IAAR expert, EEC student** – Karbaeva Radana Olegovna, 4th year student of EP "General Medicine", Kazakh National University (Republic of Kazakhstan, Almaty), *offline participation;*

**IAAR expert, EEC student** – Baituganova Aizhan Nurzhanovna, Master of Medical Sciences, second-year doctoral student in the field of EP "Nursing Science" NJSC "Astana Medical University" (Republic of Kazakhstan, Astana), *online participation;*

**IAAR expert, EEC student** – Nurakhimov Nurzhan Nurtasuly, second-year master's student of the EP "Management in Healthcare" NJSC "Semey Medical University" (Republic of Kazakhstan, Semey), *online participation;*

**IAAR expert, EEC student** – Makulbek Aigerim Serikpaikyzy, first-year master's student of the EP "Public Health", NJSC "Medical University of Karaganda" (Republic of Kazakhstan, Karaganda), *online participation;*

**The coordinator from the Agency** - Dzhakenova Alisa Satbekovna, candidate of medical sciences, Head of Medical projects of the Agency for Institutional and Specialized Accreditation of Medical Educational Organizations (Astana), *offline participation*.

### **(III) GENERAL INFORMATION ABOUT THE ORGANIZATION OF EDUCATION**

Non-profit Joint Stock Company “Asfendiyarov Kazakh National Medical University” (hereinafter - KazNMU or University) is the largest medical university in the country, that provides high-quality training of specialists at all levels of higher and postgraduate education in all areas in the field of healthcare.

Asfendiyarov KazNMU was opened by the Decree of the Council of People's Commissars of the RSFSR "Network, structure and contingent of admission to higher educational institutions of bodies under the jurisdiction of the RSFSR for 1930/1931" dated December 2, 1930.

The University's development strategy is aimed at implementing state policy in the field of healthcare and medical education, providing the industry with highly qualified medical personnel, improving the quality and accessibility of medical care for all segments of the population.

Educational activities at KazNMU are carried out in accordance with the Constitution of the Republic of Kazakhstan, with the Law of the Republic of Kazakhstan dated July 27, 2007 № 319 "On Education", the State Program for the Development of Education of the Republic of Kazakhstan for 2011-2020 and the National Project "High-quality and affordable healthcare for every citizen Healthy Nation" (Resolution of the Government of the Republic of Kazakhstan dated October 12, 2021 No. 725). The university implements 10 bachelor's degree programs, 24 master's degree programs, 46 residency programs, 5 PhD doctoral programs.

The University is one of the members of the League of Academic Integrity, a member of a number of international associations, an innovation-oriented and socially responsible university, a leader in Central Asia in multi-level training of competitive healthcare and pharmacy specialists.

The University conducts training on the basis of 155 clinics, polyclinics, research institutes, NC, 1 University Clinic, which includes: “Aksai” Clinic, Clinic of internal diseases of KazNMU, professorial clinic of KazNMU, dental clinic.

Well-known scientists and teachers of Kazakhstan, academicians of the National Academy of Sciences of the Republic of Kazakhstan, the Russian Academy of Medical Sciences, the Academy of Preventive Medicine of the Republic of Kazakhstan, International Academies, Honored scientists and educators, Honored doctors and pharmacists work at Asfendiyarov KazNMU.

The status of a research university creates conditions for the integration of scientific activities, the educational process and clinical activities.

Asfendiyarov KazNMU has cooperation agreements with universities from far and near abroad, including: Nagasaki University (Nagasaki, Japan), Asia-Pacific University (Beppo, Japan), Parkway College (Singapore); University of Perugia (Perugia, Italy), University of the Danube (Krems, Austria); Kyrgyz State Medical Academy (Bishkek, Kyrgyz Republic), Bogomolets National Medical University (Kiev, Ukraine), National Pharmaceutical University (Kharkiv, Ukraine), I. Sechenov Moscow Medical Academy (Moscow, Russia) and others. The university staff is actively involved in carrying out research work on international programs and grants.

The teaching staff of the university is 1,552, including 7 academicians, 121 doctors of sciences, 388 candidates of sciences, 91 PhD doctors. The proportion of doctors of science, candidates of science, and doctors of PhD in the total number of faculty members in the 2023-2024 academic year was 38%. Of all teaching staff: 17% of them have scientific and pedagogical experience of up to 10 years, 42% of them - from 10 to 20 years, 41% – over 20 years. Of the total number of teaching staff, 18% have an academic degree up to 45 years old, 57% - from 45 to 60 years old, 25% - over 60 years old. The average age of the teaching staff is 53-57 years old.

#### **(IV) INFORMATION ABOUT EDUCATIONAL PROGRAMS UNDERGOING INTERNATIONAL PRIMARY ACCREDITATION**

The current EP CIME 6B10116 "Medicine", 6B10117 "Pediatrics", 6B10118 "Dentistry", 6B10119 "Medical and preventive care" were first introduced in 2023 and according to the phased implementation of EP CIME based on the order of Vice Minister Dudnik V.Yu. №661 dated 08.08.2022 and a letter from the Director of the Department of Science and Human Resources MH RK Aldyngurova D.K. incoming №1011-K dated 15.08.2023.

The structure and content of the EP CIME were developed in accordance with the requirements of the State Mandatory standards for levels of education in the field of healthcare (Order of the Ministry of Health of the Republic of Kazakhstan dated July 4, 2022 № КР ДСМ-63) and standard curricula for medical and pharmaceutical specialties (Order of the Ministry of Health of the Republic of Kazakhstan dated January 9, 2023 № 4).

The educational programs of CIME 6B10116 "Medicine", 6B10117 "Pediatrics", 6B10118 "Dentistry", 6B10119 "Preventive medicine" are accredited **in the IAAR for the first time.**

#### **(V) DESCRIPTION OF THE EEC VISIT**

The work of the EEC was carried out on the basis of the approved Program of the hybrid visit of the expert commission on International accreditation of basic medical and Pharmaceutical education programs of NJSC Asfendiyarov Kazakh National Medical University (Almaty) in the period from April 16 to 18, 2024.

In order to coordinate the work in the EEC, an introductory meeting was held on April 16, 2024, during which powers were distributed among the members of the commission, the schedule of the visit was clarified, and agreement was reached on the choice of examination methods.

The meetings were held with the rector, vice-rectors of the university in areas of activity, heads of structural divisions, heads of departments, teachers, students, graduates, employers 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. 293 representatives took part in the meetings (table 1).

**Table 1 – Information about employees and students who took part in meetings with EEC IAAR:**

<b>Category of participants</b>	<b>numbers</b>
Rector	1
The Vice-Rector's building	3
Heads of structural units	27
Acting Deans	6
Heads of departments	51
Teachers	103
Students, undergraduates, doctoral students	95
Graduates	5
Employers	2
<b>Total</b>	<b>293</b>

At the meetings of the EEC IAAR the mechanisms for implementing the university's policy were clarified and the individual data presented in the university's self-assessment report with the university's target groups.

The members of the EEC visited the practice bases of accredited educational programs and, during a visual inspection, got acquainted with the state of the material and technical practical bases of clinical and theoretical departments:

1. Technological Park, 94 Tole bi str.
2. Simulation center of Asfendiyarov KazNMU, 100 Shevchenko str.,
3. Scientific Genomic Laboratory, 94 Tole bi str.
4. SCE № 4, 220 Papanina str.
5. SCE № 5, 220 Dostyk Avenue
6. SP № 10, 5B Zhuldyz mkr.,
7. Children's City Infectious Diseases Hospital, 229 Baizakov str.
8. Children's Emergency Medical Care Center, 40 Manas str.
9. SEC Department, 3 Zhibek Zholy Avenue
10. National Center of Expertise, 3 Zhibek Zholy Avenue
11. National Center of Expertise, 3 Zhibek Zholy Avenue
12. Academy of Nutrition, 66 Klochkova Str.
13. Keruen "Medicus", 45/1 Bukhar zhyrau Boulevard

Clinical bases are represented by multidisciplinary, well-equipped, highly specialized medical equipment for the provision of highly qualified specialized inpatient and consultative medical care to the population.

Practical bases are represented by accredited laboratories in the National Center of Expertise of the CSEC of the Ministry of Health of the Republic of Kazakhstan for conducting comprehensive sanitary-bacteriological, parasitological, radiological, hygienic, epidemiological examinations in the field of sanitary-epidemiological welfare of the population.

The members of the EEC visited the scientific library, the testing center, the Hall of Academics and the congress hall.

In order to confirm the information provided in the self-assessment report, external experts requested and analyzed the working documentation of the university. Along with this, the experts studied the Internet positioning of the university through the official website of the university.

During the visual inspection of the departments, the members of the EEC attended practical classes at the departments of the University and got acquainted with the work programs of individual disciplines and security maps.

During the visit, EEC studied normative and educational and methodological documents on accredited educational programs of the university, educational and methodological materials of disciplines, methodological documents, visited the structural units and departments stated in the program that ensure the implementation of the educational process, and also checked the operation of information systems used by KazNMU for conducting classes.

All materials requested by the commission were provided by representatives of the university in a timely manner. In order to obtain objective information on the assessment of KazNMU's activities, visual inspection of classrooms, laboratories, libraries, clinical bases and their own clinics and other premises providing training sessions; observation, interviewing employees of various structural divisions, teachers, employers, questionnaires of the teaching staff (TS) and students were carried out by the members of EEC.

KazNMU ensured the presence of all employees and persons specified in the Visit Program. The three-day Program for conducting the EEC program accreditation is fully implemented in accordance with the distribution of activities by day.

On the first day, in April 16, 2024, the goals, program, and responsibilities of EEC members were announced at preliminary meeting of the Chairman and members of the EEC.

EEC members discussed key issues, identified additional information that should be requested from the structural divisions of KazNMU for validation and confirmation of the reliability of information/data during accreditation.

The meeting with the rector of KazNMU M.E.Sharonov took place according to the



program, an oral presentation on the current activities of KazNMU was presented. A meeting was held with vice-rectors of KazNMU (Kalmataeva Zh.A. – Vice-rector for Academic Work; Datkhaev U.M. – Vice-rector for Social Work and Digitalization; Sultangazieva S.E. - Vice-rector for clinical Work; Fakhradiev I.R. - Vice-rector for Scientific Work and head of the Scientific and Technological Park of KazNMU).

A meeting was held with the deans of KazNMU Izmailova S.H. – Acting Dean of the School of General Medicine-1; Shopaeva G.A. – Acting Dean of the School of General Medicine-2; Dzhardemaliev N.J. – Acting Dean of the International Faculty; Altynbekov K.D. – Acting Dean of the School of Dentistry; Aipov R.R. – Dean of the school Pediatrics; Karibaev K.B. – Dean of the School of Public Health; Ivanchenko N.N. – Head of the Department of Master's and Doctoral Studies.

A meeting was held with the heads of the structural divisions of KazNMU (Tashetova A.B. – Head of the Department of Academic Work (DAW); Codekova G.S. – Deputy head of DAW; Stepkina E.L. – Head of the Department of Strategic Development and International Cooperation; Zhakupova M.B. – Acting head of the Simulation Center; Zhumadilov M.J. – Managing Director; Utebalieva A.H. – Acting head of the scientific library; Alchimbayev A.B. – Head of the Digitalization Department; Iskakova S.S. – Head of the Department for Student Admission; Abdrakhmanova Z.B. – Head of the Department for Social and Educational Work; Turgynbayev M.B. - Head of the Administrative Department; Beisenova S.A. – Head of the Public Procurement Department; Akhmet A. – Acting Head of the Legal Department; Kubeeva Zh.U. – Chief Accountant; Shamsutdinova A.G. – Head of the Department of Science; Nagasbekova A.G. – Head of the Department of Human Resources Development; Kosaliev A.E. – Head of the Career and Graduate Center; Zhangirbaev M.T. – Head of the Quality Management System Department; Kutysheva A.T. – head of the Educational and Methodological Department; Tumanbaeva A.E. – Head Department of the organization of the educational and methodological process; Iskakova Zh. – Acting head of the Testing Center; Sagatbekova M.S. – Acting head of the Registry office; Abdresheva A.A. – Head of the Student Office; Abylgazina A.E. – Head of the Academic Quality Department; Dzhaylobaev K.K. – Head of the Department of Operational Works; Abydkerova M.T. – Acting Head of the Department of Clinical Work; Ibraeva A.Sh. – Deputy. Head of the Science and Technology Park; Tyan M.A. - Head of the Press Service).

A meeting was held with the heads of departments of the university, during which they highlighted the main areas of activity in terms of organizing the educational process, developing, implementing and managing educational programs, working with students and teaching staff, interacting with the rector's office and other structures of KazNMU. During the interview, information about the implementation of the educational process at the departments, the conditions that the university provides for their activities was obtained, answers to questions about the motivation and stimulation of teaching staff, admission and career growth, financial support for teaching staff and other aspects were received.

At the meeting with the teaching staff of the departments of KazNMU, EEC experts asked questions about the implementation of educational, scientific and clinical processes at KazNMU, career opportunities, stimulation of teaching staff, provision of the educational process with the necessary resources (logistical, information, etc.), about interaction with administrative and management structures. Then the teaching staff took part in the survey.

During the visual inspection of the material and technical equipment of KazNMU, the EEC experts visited lecture halls and classrooms of KazNMU, as well as a Simulation Center, a Scientific Genomic Laboratory, a scientific library, a testing Center, Concordia (Congress Hall), the Hall of Academicians, the KazNMU Technopark and the KazNMU Museum. The members of the EEC also got acquainted with the state of the material and technical base of the basic departments.

On 17.04.2024, the experts of the EEC met with students of KazNMU. The issues related to student support at the university, the functioning of the student representation, the

participation of students in the activities of the university, in the development of educational programs and other issues were discussed in the form of an interview. The students expressed their positive opinion about the activities of the departments, administration and support units of the University, as well as the educational process.

A meeting with employers was held, during which information was obtained about the close cooperation of the university with scientific-practical and clinical bases, about the implementation of personnel training at the organizations related to the employers, and about the graduates of the university who are working in these organizations. Employers told about such events as the job fair, how the selection and invitation of young professionals to work takes place, and about the participation of employers in the formation of educational programs.

In accordance with the accreditation procedure, on-line survey of teachers and students was conducted. According to the results of a survey of teachers, which was attended by 99 people, it was revealed that 100% of respondents noted that they were satisfied with the content of the educational program, opportunities for continuous potential development, professional development, and the opportunity to actively apply their own teaching methods in the educational process. All respondents replied that the library has the necessary scientific and educational literature. Many respondents are satisfied with the management's support for both the development of new educational programs and motivational approaches. In general, the vast majority of respondents answered positively to all the questions in the questionnaire and believe that this is an actively developing university with great growth opportunities and conditions for both teachers and staff, as well as for students.

A survey of 115 students was conducted, among whom 43 students were interviewed in the field of Medicine, 20 in Pediatrics, 28 in Dentistry, and 19 in Preventive Medicine. According to the results of the survey, 100% of respondents indicated high satisfaction with the relationships and responsiveness of management, and the availability of academic counseling. Satisfied with educational materials - 96.5%, the availability of library resources and the quality of services - 99.1%, with classrooms - 97.4%, the clarity of disciplinary procedures - 100%, the overall quality of curricula - 100%, teaching methods - 98.2%, the quality of teaching - 99.1%, the objectivity and fairness of teachers - 99.3%, scientific laboratories - 96.6%, responsiveness to feedback from teachers on the educational process - 99.1%.

As part of the planned program, recommendations developed by the EEC on the results of the examination to improve the university's activities were presented at a meeting with the management and heads of structural divisions of KazNMU on 18.04.2024.

## **(VI) COMPLIANCE WITH THE STANDARDS OF SPECIALIZED ACCREDITATION**

### ***6.1. Standard 1. «Mission and results»***

#### ***Evidence part***

NJSC KazNMU carries out its activities on the basis of the University Charter in accordance with the Constitution of the Republic of Kazakhstan, the Civil Code of the Republic of Kazakhstan, the Laws of the Republic of Kazakhstan “On Non-Profit Organizations”, “On Education” and other regulatory legal acts of the Republic of Kazakhstan regulating the activities of the education system and the healthcare system of the Republic of Kazakhstan.

The University's mission is to serve society through the training of competitive healthcare professionals based on the integration of advanced educational, scientific and medical technologies. An innovative university, continuously developing on the principles of the academic system of health and science, in which professionals, inspired by a single mission, sharing the same values, unite their efforts to generate, transfer and use knowledge about health and for the sake of human health.

The mission and vision of S.D. Asfendiyarov KazNMU reflect social responsibility, understanding of the purpose and importance of the university in training competent healthcare

professionals both for Almaty, the Almaty region, and for the country as a whole, and are consistent with the main directions of program documents in the field of education, science and healthcare.

The mission and goals are widely accepted and supported by the administration, university staff, teaching staff, and students. Information about the mission and goals is available on the university's website for all interested parties.

The mission of the University and EP CIME reflect the educational strategy in accordance with the State Program for the Development of Healthcare of the Republic of Kazakhstan for 2020-2025, the Strategic Development Plan of Kazakhstan until 2025 within the framework of the strategy "Kazakhstan 2050".

The official website of NJSC KazNMU contains all the necessary information about missions within the framework of EP CIME for maximum awareness of all interested parties. The mission is formulated in accordance with the requirements of state education standards, the needs of the state and the market, the strategy of the university, the requests of employers and the wishes of students, based on the study of problematic issues of theoretical and practical medicine.

As part of the policy, KazNMU is given freedom in drawing up educational programs. Freedom in the preparation of educational programs is achieved through the university component (elective disciplines).

The mission of the EP CIME is aimed at the professional orientation of a bachelor's degree graduate (including an internship), followed by a residency, as a highly professional master's specialist in demand in the healthcare system of the Republic of Kazakhstan, by ensuring high quality education, science and industrial practice through the training of a new generation of medical personnel, modern science and the concept of national health.

The educational programs are based on the possibility of implementing individual educational trajectories, strengthening interdisciplinary training within the framework of the tasks of implementing relevant priority areas of development with the possibility of transforming individual blocks in accordance with the structure of employers' requests for the formation of specific professional competencies.

### ***The analytical part***

Analyzing the compliance of educational programs with international accreditation standards in accordance with IAAR standards, it is important to note the alignment with the parameters of the "Mission and Outcomes" standard.

KazNMU can develop educational programs: main (Major) and additional (Minor); joint educational programs (Joint Program), double degree programs (Double/Multiple Deg Program), joint degree programs (Joint Degree Program). Educational programs are located in the virtual office of KazNMU, and their current versions are published.

The University monitors the degree of implementation of educational programs, conducts self-assessment in all its areas, surveys students, and takes into account the needs of society. A "Job fair" and a round table with employers are held annually. Interested employers and University staff are involved in the formation of educational programs. In the development of the WCP, determination of the list and content of the elective component, organization of internships, a certain role is assigned to corporate partners, employers for quality assurance review of the educational programs.

The responsibility of the administration and teaching staff in the preparation of educational programs is ensured through the procedure of consideration and approval of these programs at the department meetings, the CEP, the Academic Council, the Academic Council of NJSC KazNMU, and is confirmed by the minutes of meetings at the appropriate levels. Departments are also given the freedom to change and supplement the EP, which also allows the University to make appropriate adjustments to it.

At the University, self-assessment is conducted in all its areas: student questionnaires, an annual meeting of students with the rector, a survey among students "Clean session", "Teacher

through the eyes of a student" is conducted every semester, in addition, students are members of the Educational Programs Committee, the needs of employers and society are taken into account. A job fair and a round table with employers are held annually.

***Strengths/best practices.***

According to this standard, no strengths have been identified.

***Recommendation EEC: no***

***The conclusions of EEC according to the criteria:***

- ***Strong – 0***
- ***Satisfactory – 13***
- ***Suggest improvements – 0***
- ***Unsatisfactory – 0***

***6.2. Standart 2. «Educational program»***

***Evidence part***

KazNMU has institutional autonomy in relation to the development of educational programs, the use of allocated resources necessary for their implementation. Academic freedom is achieved through the university component (elective disciplines), where the requirements of employers and the interests of students takes into account.

The educational programs of CIME 6B10116 "Medicine", 6B10117 "Pediatrics", 6B10118 "Dentistry" and 6B10119 "Medical and preventive care" were developed by the Committees of educational programs of Schools of the NJSC "Asfendiyarov KazNMU", in accordance with the Orders of the Minister of Health of the Republic of Kazakhstan "On approval of State mandatory standards for levels of education in the field of healthcare" and "Standard curricula of higher education in medical and pharmaceutical specialties". EP CIME were approved by the Academic Council of the National Academy of Sciences of KazNMU, they passed an external independent examination and included in the register of educational programs on the website of the Unified Platform for Higher Education (UPHE).

The learning process at the University is organized using ECTS, developed on the basis of the European Credit Accumulation and Transfer System. The educational programs of CIME 6B10116 "Medicine", 6B10117 "Pediatrics", 6B10118 "Dentistry" and 6B10119 "Preventive medicine" belong to the programs of continuous integrated medical education, which includes bachelor's degree, internship and specialized master's degree. The development of the EP takes into account the principles of spiral learning, vertical and horizontal integration, as well as a student-centered approach to learning. The disciplines are grouped by academic category into general education, basic and profiling, include a mandatory component and an elective component, in which the university component (compulsory for all students) and elective (elective) disciplines are distinguished.

Information about the structure, duration (hours/weeks, semester/academic year), the content of the educational program, indicating the mandatory elements, components of choice and their duration is contained in the reports for each academic year. KazNMU has established a system for planning, ensuring, implementing and monitoring all rotations included in the training program.

WCP contains fundamental, general, socio-humanitarian and specialized clinical disciplines. According to the standard curriculum, the disciplines are presented in a logical sequence to ensure that the student acquires professional and related competencies. WCP serves as the basis for the preparation of working curricula (syllabuses) and schedules, as well as for calculating the teaching load for teachers. Learning outcomes are formed both at the level of the

EP and at the level of individual modules or academic discipline. The EP reflects the expected final learning outcomes.

The main criterion for the completion of training in the EP CIME is the development of at least 360 academic credits (6 years) by the student for the entire period of study. Persons who have completed training in the programs of continuous integrated medical education and successfully passed the final certification are awarded the degree of "Master of Medicine" and the qualification of "Doctor".

Syllabuses are being developed for the implementation of educational programs of the CIME in all disciplines, which are considered at meetings of the departments, discussed and approved at the CEP meeting.

The university ensures the updating and makes changes to the EP according to the algorithm regulated in the Regulations on Educational Programs of the University to ensure the development of knowledge, skills and thinking of various graduate roles and the correspondence of the content of the EP to the changing conditions and needs of society and the health system.

The University has developed a KazNMU website containing general information about the University and strategic directions of development, posted internal regulatory documents on the procedure for conducting ongoing monitoring of academic performance, intermediate certification, academic calendar, the procedure for calculating the academic rating of a student, the procedure for assigning and paying a state scholarship requirements for final state certification, class schedule, exam schedule, regulatory and legal documents, etc. This ensures equal access for all students to the necessary information, without regard to nationality, religion, state of residence, socio-economic status.

Modern achievements of scientific, technological and clinical developments are reflected in the annually updated catalog of elective disciplines and didactic materials. Also, through the acts of introducing active teaching methods and the results of scientific work into the educational process, the list of recommended literature, medical periodicals, the use of monographs and national manuals, and Internet resources is being revised and supplemented.

The University trains students on the basis of 155 clinics, polyclinics, research institutes, research centers, including 6 affiliated with the university - 5 research institutes and research centers (SCP and PS (Scientific Center of Pediatrics and Pediatric Surgery), A.N.Syzganov NSC (A.N. Syzganov National Scientific Center of Surgery), SCOCP (Scientific Center of Obstetrics, Gynecology and Perinatology), Kaz SRIS and IM (Scientific Research Institute of Cardiology and Internal Medicine), KazSRIO and R (Kazakh Scientific Research Institute of Oncology and Radiology), as well as 1 UC (University Clinic)). The united University Clinic includes: Aksai Clinic, KazNMU Internal Medicine Clinic, KazNMU Professorial Clinic. The university draws up work contracts with all clinical bases, on the basis of which employees provide consulting and specialized medical care. According to the needs of the population served, the University Clinic has signed memorandums of cooperation with Busan University (South Korea), where it is possible to share experiences with the Busan National University Hospital in all major areas. An agreement on mutual understanding was signed between the RCE under REM "Republican Center for the Coordination of Transplantation and High-tech medical services" of the Ministry of Health of the Republic of Kazakhstan, NJSC "Asfendiyarov KazNMU" and the Public Foundation "Kazakhstan Khalkyna" to provide medical care to patients with diseases of the organs of the eye, namely the cornea of the eye and corneal transplantation. A unique Competence Center for Orphan Neurological Diseases has opened in the Aksai Children's Center. This is the first project implemented by the KAZNMU ENDOWMENT Foundation. Funds for its implementation were allocated by private companies, including the "Vera" Foundation, ALSECO, RIO wall art, "Omirge Sen" Foundation, "Valdi" Company, Farm ZS.

Students acquire sufficient knowledge, clinical and professional skills in clinical practice during practical training in order to take on appropriate responsibility, including activities related to health promotion, disease prevention and patient care. Students participate and carry out activities in medical organizations for the prevention and promotion of public health. Also,

university students master practical skills in all theoretical and clinical disciplines during independent classes under the guidance of teachers (IWST).

The EP CIME implementation is based on the principle of practice orientation, an integrated approach, and assessment of student achievements with an emphasis on skills.

The University has a Sirius Service Center, created for all categories of students, teachers and University staff in order to optimize and automate processes in the provision of services on the principle of “one window”, minimize corruption risks, and transfer paper services to electronic

Traditional teaching methods lay the foundations of scientific knowledge in a generalized form. Practical classes are aimed at expanding and detailing this knowledge, at developing and consolidating professional skills. Seminars and other practical exercises serve as a form of verification of the achievement of goals through the ongoing monitoring of the results of students' independent work.

University teachers at all levels of education are doing a lot of work to introduce new forms and methods of teaching into the educational process, means of activating cognitive activity: multimedia lectures; problem lectures (PBL); case-based learning (CBL), including analysis of specific situations (ASS or case study); team-oriented training (TBL), including work in small groups; role-playing, business games; creative tasks (videos, crosswords, quizzes, etc.); the use of problematic and situational tasks in practical classes. The use of innovative technologies in the educational process of the university is based on a powerful material and technical base, which is constantly being improved in accordance with the requirements of the time. The logistical capabilities of the clinical bases are constantly expanding.

### ***The analytical part***

During the visit, experts conducted a detailed analysis of the accredited educational programs of CIME for compliance with the requirements of the modern education market, principles and methods of organizing educational, research and educational processes aimed at satisfying the interests of students and all participants in the educational process of educational programs. The content and form of the EP CIME, the decisions taken by the management of the EP, are coordinated with the strategic documents of the university and the regulatory documents of the Republic of Kazakhstan. The University has budgetary funding at its disposal and is able to attract funds from the university's commercial activities for the implementation, improvement and training of teaching staff in all educational programs.

The educational programs of CIME 6B10116 "Medicine", 6B10117 "Pediatrics", 6B10118 "Dentistry", 6B10119 "Medical and preventive care" were developed with the active participation of employers, leading specialists in the field of healthcare. A team of developers is being created to develop the EP formed on the initiative of schools.

The first level of presentation of the educational program is the Concept of EP. Next, the EP is discussed at a meeting of the CEP. It undergoes technical expertise at DAW and approval with employers. The Quality Assurance Committee conducts an examination of the content of the EP. After a positive examination, the EP is reviewed and discussed at the Academic Council, then approved by the Academic Council. DAW is included in the list of implemented EP, which is approved by the Board of Directors. Then DAR submits an online application for the inclusion of the EP in the registry of EP of the National Qualifications Framework of the Republic of Kazakhstan.

The research work of students is related to the development of innovative activities of the university. KazNMU students have the opportunity to actively use their theoretical knowledge of the fundamentals of scientific research in their own research projects within the framework of research and development, including on the basis of the laboratory of collective use and vivarium (Atchabarov Research Institute of the Institute of Scientific and Technological Development).

During the learning process, the University focuses on mastering, developing, and improving the clinical skills of students. The acquisition of clinical knowledge and skills is

carried out in the simulation center, further consolidation is carried out at the clinical bases of the University under the guidance of experienced mentors and clinical mentors according to the SOP “Organization and implementation of practices”. Having their own clinical base gives students, the opportunity to work with real patients.

The principle of interdisciplinarity and transdisciplinarity is ensured by the implementation of integration horizontally and vertically. An example of horizontal integration is the integration of the subjects of fundamental sciences: for example, in the module “Organ systems (norm)”, “Organ systems (pathology)”. The integration of disciplines vertically is determined by the structure of the EP. In the first years of study, mainly general and fundamental disciplines as the module "Organ systems (norm)", progressively revealing the structure and normal processes of the human body are taught. Then it is taught pathological processes in the module "Organ systems (pathology)", where integrated knowledge of the basics of general pathophysiology and pathomorphology, pharmacokinetics and pharmacodynamics of medicines based on an understanding of scientific evidence-based approaches, modern information technologies is formed. The knowledge and skills acquired by students in the study of fundamental disciplines create the basis for the acquisition of professional competencies and their development in clinical disciplines.

Reviewing syllabuses of disciplines 1 and 2 courses, experts found the absence of an integrated interdisciplinary module of the EMCD in accordance with the WCP EP, which would form communication skills, clinical thinking, research and teamwork skills among students according to <https://adilet.zan.kz/rus/docs/V2200028916>. The members of the EEC noted that employers and practitioners are actively involved in updating the EP based on the development of the healthcare system of the Republic of Kazakhstan and the region. However, their review of the 1st year finals of the educational programs "Medicine", "Pediatrics" and "Dentistry" revealed that the discipline “Physical Culture” from the GES cycle amounts to 4 credits. 4 credits were given to the discipline “Fundamentals of Nutrition” <https://drive.google.com/drive/folders/1-spuPaX4JkD9aLbKGFRTriUr55sDuql0> when, according to SCSE 2022, this discipline enters the GES cycle, amounting to 8 credits <https://adilet.zan.kz/rus/docs/V2200028916>. In a conversation with the heads of the EP, it was recommended to start work on the formation of a bank of topics for master's projects, since the work of advisors on the choice of elective disciplines is already underway, and students could already think about their learning trajectory. It is also necessary for the work of both teachers and students to develop a unified regulation on the experimental research work of students (ERWS), since the implementation of the master's project is mandatory for the EP <https://adilet.zan.kz/rus/docs/V2200028716>.

The formation of modules allows for closer interaction between departments in relation to the volume and nature of the material considered within the framework of individual disciplines. Intermediate control within the module can be carried out for each discipline separately or in an integrated manner.

The operational connection between the EP and the subsequent stages of professional training is ensured by the integrity of the EP, the continuity of basic and specialized disciplines, integration of both horizontal and vertical, and the use of innovative teaching methods with a clinical focus. The EP is regularly reviewed taking into account local, national, regional and global developments, based on the results of feedback from representatives of the health sector, teachers, students and other stakeholders, through questionnaires, opinions during joint meetings with stakeholders.

In addition, the catalog of elective subjects is updated annually, which is approved by the academic council after preliminary discussion with employers. The students' work practice contributes to the students' adaptation to future practice.

The university has organized “postgraduate support” for graduates in order to improve the quality of training of students and interaction with employers, which is carried out in the form of regular “job fairs”, “round tables”, etc. Interaction with graduates and employers is also carried out directly in the course of their work at departments, structural divisions of KazNMU, where

graduates will continue their development.

KazNMU evaluates the degree of satisfaction of employers with graduates of the university regularly to identify compliance with the real requirements of the labor market, opportunities for its improvement, as well as the degree of compliance of the competencies of students and graduates with positions in the workplace. The University takes into account the recommendations received from the medical community when making changes to educational programs.

The feedback results are analyzed, discussed at meetings of the rector's Office, the department, the CEP, the QAC, the AC, the Academic Council and taken into account when planning work for continuous improvement.

The EP assessment system includes internal and external monitoring.

Students are involved in internal monitoring through membership in all collegial and advisory bodies in specialties and areas, group interviews, focus groups, annual student questionnaires, questionnaires and interviews of students at the end of each academic period, expressing their wishes on the blog of the rector of KazNMU, using hotline phones. The involvement of teaching staff occurs through the analysis of student academic performance, questionnaires, and suggestions for improving the university's activities.

External monitoring is carried out through the development of social partnership between the university and public organizations (such as: conclusion of a memorandum of cooperation with the Branch in Almaty of the RSE “National Center of Expertise” SECC of the Ministry of Health of the Republic of Kazakhstan), membership of CEP employers and other advisory bodies.

***Strengths/best practices.***

According to this standard, no strengths have been identified.

***Recommendations of EEC:***

1. The heads of educational programs should ensure that the developed EP "Medicine", "Pediatrics" and "Dentistry" comply with the established requirements of the SES 2022 in terms of the distribution of loans to GES and BD before the beginning of the 2024-2025 academic year.

2. The heads of educational programs are to start working on building a database of topics for master's projects, taking into account the latest scientific achievements from the 2024-2025 academic year.

3. The heads of educational programs are to align the educational-methodical complex of disciplines (EMCD) with the integration of modules of the basic and professional training cycles before the start of the 2024-2025 academic year (integrated syllabus, CMD, exams).

4. The heads of educational programs should develop a regulation on the procedure for conducting experimental research work (ERWS) of students in the CIME in the 2024-2025 academic year.

***The conclusions of EEC according to the criteria:***

- ***Strong – 0***
- ***Satisfactory – 24***
- ***Suggest improvements – 4***
- ***Unsatisfactory – 0***

***6.3. Standard 3. «Student assessment policy»***

***Evidence part***

The assessment policy is regulated by the “Academic Policy”, the “Regulation on the conduct of current monitoring of academic performance, intermediate and final assessment of students”, which describes the general assessment policy of students, criteria for passing points,



allowed retakes, organization of current and intermediate controls, the procedure for conducting final control and appeals.

Summative assessment is carried out through current, midterm and final controls, during the intermediate and final state certification, and reveals the level of formation of the final learning outcomes of the competencies studied over a certain period of time. The forms and methods of summative assessment are determined by the department / module, taking into account the specifics of the discipline, and are prescribed in syllabuses of disciplines.

The final learning outcomes are measured through the use of evaluation rubrics. In more detail, the rules for conducting current, midterms, intermediate and final control of students' academic performance are set out in the relevant Regulations approved by the Vice-rector of the academic block and posted on the University's website.

The syllabuses of disciplines for students include the policy of the department/module, thematic plan, assessment policy, learning outcomes and practical skills, manipulations, procedures for the discipline/module.

Since 2017, the teaching staff the University has been filling out electronic journals on the Sirius platform, in connection with the university's transition to the digital "Hero Study Space" platform from January 2024. The grades are put in the electronic journal of this platform, where all types of control are recorded in a timely manner, the admission rating and final exam score are automatically calculated.

The instruction on the educational achievement assessment system can be found on the University's website, SOP: Development and approval of the educational achievement assessment system.

The academic calendar for the current academic year is posted on the University's website, which reflects the dates of the intermediate and final certification. The number of exams in each course is regulated by the WCP.

The final control of the disciplines is carried out in accordance with the form approved by the educational achievement assessment system (EAAS). Standard Operating Procedures (SOP) are posted on the University's website and are available to all students.

When conducting exams in writing, it is mandatory to follow the procedure for encrypting and decrypting students' work according to the rules specified in the SOP "Organization and conduct of a written exam, including remote mode". The list of examination questions and assessment sheets is developed by the teaching staff of the relevant departments, approved by the CEP.

The University, being a member of the League of Academic Integrity of the Republic of Kazakhstan, conducts exams in electronic and written format to minimize corruption risks in the assessment of students. When evaluating academic achievements, a 100-point assessment system is used for students during the intermediate and final certification.

The final certification is aimed at verifying the knowledge, skills, abilities and competencies acquired by students in the process of mastering the relevant specialty, the methodology of which is prescribed in the Program of final certification of graduates and is carried out in the form provided for by the State Mandatory Standard of Education.

Monitoring of the quality of classes is carried out in the process of intra-departmental control (IDC), as well as by Committee of Educational Program (CEP) during the academic year in accordance with the SOP "Monitoring the quality of the educational process, the use of active teaching methods and multilingualism". The monitoring results are reviewed at meetings of the department, the CEP and the Academic Council and brought to the attention of all interested parties.

Standardized assessment methods, assessment sheets/checklists containing clear and specific assessment criteria that guide and stimulate students in the learning process have been introduced and used.

### ***The analytical part.***

The University conducts assessment procedures covering knowledge, skills, attitudes and professional behavior in the systematic monitoring of the quality of students' knowledge, the results of which are used to improve the educational process, educational technologies, teaching methods, the content of educational programs and assessment tools.

The criteria for evaluating educational activities are based on the principles of consistency, validity, reliability, and receiving feedback. Evaluation tools and methods are used that meet the specifics of the discipline and practice. When evaluating students, the level of assimilation of theoretical knowledge, acquired skills and abilities according to the curriculum of the discipline or practice program, as well as the level of development of specific indicators of achievement of competencies according to the results of training is taken into account. The effectiveness and efficiency of the applied assessment system is discussed at meetings of departments, CEP, after which adjustments are made if necessary.

The university continuously trains teaching staff on the methodology for developing student assessment and conducting expertise in order to carry out high-quality work on the development of additional methods and formats for evaluating and analyzing the effectiveness, reliability and validity of CMD. There is a system of teaching staff using the cascade-fan method.

All the works of students are encoded to ensure greater objectivity and reliability of the assessment of the level of knowledge of students at the university. Thus, the principle of "blind" verification of exam papers is observed. Students' exam papers are checked for plagiarism using "the Anti-Plagiarism program". Since 2020, the Strike Plagiarism program has been applied.

The examination of students in the form of testing is conducted in the computer center at AIS Sirius with mandatory proctoring. The tests that have passed internal examination and approved at the department, in the Committee of Educational Programs, are submitted for the exam. The examination materials for the final certification and the format of its conduct are approved by the Academic and the Scientific Council.

Conducting a mixed examination format involves combining different forms: oral, written examination, testing and certification of practical / clinical skills (OSCE / OSPE), conducted in stages.

The experts studied the documents on the organization of the assessment of knowledge and practical skills. When reviewing syllabuses, experts noted that the assessment of students is provided using the most valid methods according to the final results of each discipline and each course of study. But, despite the modular integrated construction of the EP, the final exams in the disciplines are taken independently, which contradicts the model of the EP <https://adilet.zan.kz/rus/docs/V1100006976>. Also, some of the disciplines are evaluated summatively with a differentiated credit <https://drive.google.com/drive/folders/1-spuPaX4JkD9aLbKGFRTriUr55sDuql0> whereas each discipline should end with a final control according to the "Rules of the organization of the educational process on credit technology of education in organizations of higher and (or) postgraduate education <https://adilet.zan.kz/rus/docs/V1100006976>.

In order to ensure transparency of the exam procedure, to resolve controversial issues in order to avoid conflicts of interest, an appeals commission is created for the exam period from among teachers whose qualifications correspond to the profile of the disciplines being appealed, approved by the order of the vice-rector of the academic block. An appeal procedure is provided for all types of knowledge assessment. According to the "Regulations on the conduct of current control, intermediate and final certification of a student", students who disagree with the result of the exam have the right to apply for an appeal.

When evaluating the achievements of students, both qualitative and quantitative indicators of their work are taken into account. Quantitative indicators are recorded mainly in scores and qualitative ones - in value judgments of the type, which is reflected in the comments of the teacher.

Formative assessment is used in everyday educational practice by providing timely constructive feedback. The frequency of formative assessment is determined by the discipline

policy. EAAS provides for a set of the most important principles for monitoring students' academic performance: objectivity, systematicity, visibility.

The midterm and final control of students' achievements of the final learning outcomes is implemented in the form of control questions, test tasks, mastering practical skills, solving situational tasks, which is prescribed in the syllabuses of disciplines.

The reliability and validity of knowledge assessment methods is ensured by systematic monitoring of the quality of assessment tools for compliance with the level and program of the discipline, their diversity, level of complexity, and compliance of academic performance indicators during the semester with the results of final exams.

The teaching methods and the final results of the students are comparable. The assessment is objective and means the same attitude towards all students and informing them about what is expected of them during the assessment activities, in what form they will be conducted.

In general, KazNMU monitors educational processes, which are described in the relevant procedures and regulations. The monitoring results are used to improve educational programs, aimed at improving the student assessment policy. Feedback is maintained between teachers and students, including a questionnaire system for satisfaction with educational and other types of university activities aimed at improving the educational program.

***Strengths/best practices.***

According to this standard, no strengths have been identified.

***Recommendations of EEC:***

1. The heads of all EP CIME should align the procedure for final discipline assessment with the established requirements of the Rules for organizing the educational process using the credit teaching technology in higher and postgraduate education institutions by the beginning of the 2024-2025 academic year.

2. The heads of all EP CIME should provide the opportunity for all forms of discipline assessment to be conducted on a modular basis in an integrated format starting from the 2024-2025 academic year.

***The conclusions of EEC according to the criteria:***

- ***Strong – 0***
- ***Satisfactory – 8***
- ***Suggest improvements – 2***
- ***Unsatisfactory – 0***

***6.4. Standard 4. «Students»***

***Evidence part***

The admission policy of students to Asfendiyarov KazNMU is carried out in accordance with the Law of the Republic of Kazakhstan “On Education”, Order of the Minister of Education and Science of the Republic of Kazakhstan № 600 dated October 31, 2018 “On approval of Standard Rules for admission to education organizations implementing educational programs of higher and postgraduate education”, based on the principles of openness and transparency, according to the mission and goals of the university, is reflected in the Academic Policy of the university and the rules of admission to the University.

The admissions committee of KazNMU is responsible for transparency and compliance with the admission procedure, the composition of which is approved annually.

The result of the Unified National Testing (UNT) conducted by the National Testing Center of the Ministry of Education and Science of the Republic of Kazakhstan is the main

requirement for admission to higher education programs. Applicants must score at least 70 points to be awarded an educational grant and/or enrolled in paid tuition at national organizations of higher and postgraduate education in the field of "Healthcare".

Starting from 2019, applicants to educational programs in the field of healthcare, in addition to UNT, are required to take a special exam (psychometric testing) at the University. This test aims to assess the suitability and ability of applicants for practical work in various areas of medicine. The psychometric testing is assessed as either "admission" or "non-admission".

Admission of foreign citizens is carried out on a competitive basis based on the results of an interview conducted by the University during a calendar year, in accordance with the Rules for Admission of Foreign citizens to study on a fee basis.

The admission policy to KazNMU is fully consistent with paragraph 6 of Article 8 of the Law of the Republic of Kazakhstan "On Education", which guarantees the creation of conditions for persons (children) with special educational needs for their self-improvement, lifelong learning at all levels of education, the free development of their abilities, and is reflected in the "Regulations on the organization of inclusive education in Kazakhstan Asfendiyarov KazNMU".

The state has established a 1% quota from the state order at the expense of the republican budget for persons with disabilities of the first and second groups. In case of equality of UNT scores, this category of persons has a preferential right. In addition, funding for education for socially vulnerable segments of the population, including people with disabilities, is also provided from other sources (the local budget, "the Kazakhstan Khalkyna" Foundation, etc.). Information about the rights and opportunities of grant-based education from various sources is posted on the KazNMU website, and is also communicated individually to each applicant or his representative.

The practice of transferring students from other universities is regulated by the Resolution of the Government of the Republic of Kazakhstan dated 30.10.2018 № 595, which notes that the transfer of students from other universities to a national university is carried out while retaining the state educational grant, provided that the difference in grant costs is paid. At the same time, the student must have excellent and good academic performance, as well as a certificate of unified national testing or comprehensive testing of at least 70 points. The transfer is carried out to the same course if the academic difference in curricula is no more than 12 ECTS for a bachelor's degree, and no more than 18 ECTS from a foreign educational organization (including no more than 12 ECTS in prerequisite disciplines).

The transfer of students studying on a grant from other universities to the university is carried out provided that the students pay the difference in the cost of the educational grant. The transfer of a first-year student is allowed upon completion of the first semester in a related specialty. The rules for transferring students from other national and international programs and medical organizations are described in detail in the Academic Policy of KazNMU.

In order to ensure compliance with uniform criteria and resolve controversial issues when evaluating UNT test assignments, the appeal is conducted by the Republican Appeal Commission in accordance with the order of the Minister of Education and Science of the Republic of Kazakhstan dated May 2, 2017 №204. The work of the appeal commissions and the appeal procedure are regulated by the rules of admission of the University, posted on the official website of the University in the "Admission" tab.

In order to integrate first-year students into the new educational environment and help them assimilate the basic rules established at the University, an orientation week is held in the last week of August. During this week, students meet with curators/advisors, representatives of student organizations at the university, familiarize themselves with the structural units (library, schools/departments, simulation center, laboratories, etc.), get acquainted with the information resources of KazNMU, and receive login credentials for accessing the educational resources of KazNMU.

In accordance with the Regulations on Providing Social Assistance to Students, approved by Decision №1 of the Board on February 1, 2022, the following types of social assistance are

provided: provision of free meals, discounts on tuition fees, meals are provided to students who are orphans, have lost one parent, come from large families, students with disabilities, and children of KazNMU employees. In total, 7 students in the "Pediatrics" EP program receive discounts under these categories.

Every year, the 1st year is provided with 50% discount "Onai" cards, which last until graduation from the University. In total, 183 students were provided with them in the 2022-2023 academic year, and 164 students in the 2023-2024 academic year.

Medical care for students is provided at "PHC and Diagnostics Center", where 8841 students receive medical care.

There is Physical Health Center, a sports complex, including a football field and a gym with a total area of 1361.0 sq.m. at the University. Students have the opportunity to engage in sports sections in 10 different sports. The sports complex is equipped with all necessary sports equipment such as a volleyball stand, an arm wrestling table, parallel gymnastic bars, a table tennis table, a hinged metal crossbar, Swedish walls, a tennis rack, a basketball shield, a running simulator, a bicycle simulator, a bench for the press and back muscles, a bench for a barbell, a rack for discs and fingerboards, a rack for weights, a rack for dumbbells, etc.

The KazNMU student support program includes scholarships by holders of an educational grant, nominal scholarships (academician Lokshin's nominal scholarship, Sharmanov's nominal scholarship, Rector's nominal scholarship, M. Mametova scholarship, S.D. Asfendiyarov scholarship). Social support for various categories of students, personal growth programs are funded from KazNMU funds.

To provide students with beds, KazNMU has 8 dormitories with 3269 beds.

KazNMU has 4 committees and more than 25 student organizations that are part of the student government of the university: the Committee on Academic Affairs, the Committee on Youth Policy, the Committee of Student Dormitories, the Committee of the Information Department, Alma mater, Clinical Anatomy and Operative Surgery – "CAOS" Almaty, Intellectual Club "Corvin", "Kazakhstan Medical Students' Association (KazMSA)", KazNMU students, Sirius med group", "Zhastar rukhy", "Meirimdi Zhurek" CF, Student Dean's Office of the School of Pediatrics, Student Dean of Faculty of International School, "SDF GM" Student Dean's Office Schools of Pharmacy, Volunteer League, Medical Youth, Student Scientific Society, etc. More than 1000 students are involved in active student life. The executive body of the student Government is the Student Government of the University, created by the right of election.

The Theater "Concordia" (964.2 m<sup>2</sup>), Sharmanov Hall of Fame (223.6 m<sup>2</sup>), the auditorium "Ruhan Zhanguiru," and other classrooms are provided to support student initiatives and assist student organizations in organizing events.

### ***The analytical part.***

The requirements set out in IAAR "Students" standard are fully fulfilled at S.D. Asfendiyarov KazNMU.

The admission policy to KazNMU is fully consistent with paragraph 6 of Article 8 of the Law of the Republic of Kazakhstan "On Education", which guarantees the creation of conditions for persons (children) with special educational needs for their self-improvement, lifelong learning at all levels of education, the free development of their abilities, and is reflected in the Regulations on the organization of inclusive education in KazNMU.

Admission of applicants is conducted on a competitive basis based on the results of UNT conducted by NTC, while respecting the principles of academic honesty and transparency. At the same time, in case of equal scores, priority is given to individuals awarded "Altyn Belgi" badge, the badge of distinction for demonstrated patriotism and active civic position, individuals with technical and professional post-secondary education, as well as at least one year of work experience in the specialty, winners of international and republican olympiads and competitions for scientific projects.

Applicants with the highest UNT scores, who have previous achievements in studies and work, as well as taking into account the "admission" on the psychometric exam, are enrolled in the educational programs of CIME.

Every year, Schools form a draft admission plan for the new academic year, taking into account the available material and technical base and staffing. The admission plan (2022-2023, 2023-2024) is discussed at a meeting of the Academic Council and approved by the decision of the Board of KazNMU (2022, 2023).

The order of the Ministry of Health of the Republic of Kazakhstan establishes the volume of the state order for the training of medical personnel in the context of medical universities, taking into account the results of the competition among OHPE for the placement of the state order. The competition among OHPE, in which KazNMU participates annually, is held in accordance with the order of the Minister of Education and Science of the Republic of Kazakhstan dated January 29, 2016 №122.

When determining the number of seats for education based on the state order, not only the projected industry and regional demand for personnel in the healthcare sector are taken into account, but also the characteristics of the students admitted, specifically quotas are established for certain categories of citizens, the list of which has been expanded in the last 2 years.

Since 2022, KazNMU has been a participant in the charitable program of "Kazakhstan Khalkyna" Public Foundation, which provides an opportunity to financially support applicants from socially vulnerable categories of citizens. At the same time, the requirements for participation in the competition are the material and technical base, staffing, scientific research and international activities of KazNMU.

In order to increase the role and participation of students in the development of various spheres of university life in 2018, nominal scholarships were awarded to encourage the most capable students who showed abilities in educational and research activities in accordance with the Rules on the procedure for awarding nominal scholarships, which was in force by order of the Rector №285 dated 04/23/2018.

During the academic year, a survey is conducted among students of all schools through AIS Sirius on educational and socio-educational issues: satisfaction of students with educational and extracurricular work at the university, satisfaction with the quality of education at KazNMU, satisfaction with living conditions in a dormitory, satisfaction of university students with providing them with psychological support, learning outcomes, creating conditions for personal development and education, satisfaction with the social and educational work of KazNMU, etc. Advising students on academic, social and personal support issues is carried out at the School and administration levels by contacting the university's public reception, through meetings both offline and online, and promptly via messengers.

The University has Youth Policy Council, which is a collegial, advisory, coordinating body for the implementation and implementation of the University's youth policy. The Council consists of the vice-rector, the head of the Department of social and educational work, the chief specialists of the Department of educational work, representatives of the student government of the University and others. Social and educational work and the implementation of cultural and creative projects at KazNMU are carried out at the university according to a Standard comprehensive plan to strengthen the educational component of the learning process in all educational institutions, the Concept of education in the system of continuing education of the Republic and the promotion of 10 key competencies of a successful University student: ambitious, technological, humane, competitive, intelligent, enterprising, professional, athletic, academic, sociable, which are the origins of the formation of the image of a successful student.

Providing students with places in dormitories is one of the priorities of the university's management. The priority of KazNMU is to accommodate first-year students in dormitories. After that, places are provided to senior students on a residual basis. Guaranteed places in dormitories are provided according to the "Regulations on Student Dormitories". The provision of a place in the hostel is carried out through the use of the "Dormitories" module through an

automated information system by submitting an electronic application and concluding an electronic accommodation agreement.

During meetings with the heads of departments, deans and structural divisions of the University, members of the Higher School of Economics 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 student survey showed high satisfaction rates in terms of the attitude and level of accessibility of the dean's office staff, accessibility and responsiveness of the university management, support of educational materials in the learning process, availability of counseling on personal problems, 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, existing educational resources of the university, the usefulness of the website of educational organizations in general and schools in particular, the clarity of the procedure for taking incentive and disciplinary measures, the overall quality of curricula, teaching methods in general, and the quality of teaching.

***Strengths / best practices***

According to this standard, no strengths have been identified.

***Recommendations of EEC: no***

***The conclusions of EEC according to the criteria:***

- ***Strong – 0***
- ***Satisfactory – 16***
- ***Suggest improvements – 0***
- ***Unsatisfactory – 0***

***6.5. Standard 5. «Academic staff/teachers»***

***Evidence part***

The search, selection, recruitment, hiring, and adaptation of employees at NJSC “Asfendiyarov Kazakh National Medical University” are conducted in accordance with the Rules approved by the Board Decision dated November 14, 2023. The search, selection, recruitment, hiring, and adaptation of employees is characterized by an integrated approach and includes a set of measures aimed at implementing personnel tasks and management strategies personnel, taking into account the personnel needs in each structural unit and at the university as a whole.

At NJSC “Asfendiyarov KazNMU” in accordance with Article 51, Chapter 7 of the Law of the Republic of Kazakhstan “On Education” individuals with specialized pedagogical or professional education in the relevant field are permitted to engage in teaching activities.

For the implementation of the educational process, a teaching staff is formed on the basis of curricula, which is approved by the staffing table. The number of teaching staff is planned based on the needs of the educational process, the standard of the teaching load for each teacher, the contingent of students in all subjects in accordance with the Regulations on the teaching load of teaching staff of the NJSC “Asfendiyarov KazNMU”.

The organizational structure, the practice of selection, admission, placement of personnel, and the formation of a high-quality reserve of the university are aimed at creating the necessary conditions for effective implementation of educational tasks.

The University has developed and approved the “Personnel Policy of KazNMU”, reflecting the priorities for the formation of human resources and criteria for the selection of personnel,

including scientific, pedagogical and clinical merits of candidates. The University monitors the responsibilities of teachers of basic biomedical, social and profiling sciences. The university has a sufficient staff of qualified teaching staff with experience in educational organizations to implement the EP.

The teaching staff is periodically certified on the basis of the university, according to the approved Rules for the certification of teaching staff and the decision of the Senate and the University Board dated 05/19/2023 (Protocol № 11). These certification rules define the procedure and requirements for certification of teaching staff of KazNMU: head of the department, professor, associate professor, lecturer, assistant. In accordance with the rules, certification is carried out by a comprehensive assessment of employees in order to determine the level of qualification of the employee and his/her compliance with the position. Priority is given to persons with higher qualifications, the results of pedagogical, scientific, and medical activities.

Admission of teaching staff to vacant positions is carried out on a competitive basis in accordance with the developed Rules for the competitive replacement of teaching staff and researchers of Asfendiyarov KazNMU, the staffing table of the university in accordance with the Labor Code of the Republic of Kazakhstan, the Law of the Republic of Kazakhstan “On Education”. Information about the competition and the availability of a vacant position is posted on the official website of the University in the “Vacancies” tab and on the official recruitment portals of the Republic of Kazakhstan (Enbek.kz., recruitment portals), social media pages Facebook and Instagram.

The heads of the structural divisions of the university consider the applications and supporting documents provided by the applicant as fully and objectively as possible in accordance with the Rules of search, selection, recruitment, hiring, and adaptation of employees of NJSC KazNMU. If necessary, they listen to the candidate's explanations, after which they recommend the duration of the employment contract that can be concluded. All teaching staff periodically undergo a competition according to the Rules of competitive filling of vacant positions of the teaching staff and researchers of NJSC “Kazakh National Medical University”.

The personnel policy of the NJSC Asfendiyarov KazNMU defines the policy in the field of human resource management of the University and is implemented in strict accordance with the requirements of the legislation of the Republic of Kazakhstan and internal acts of the University regulating the activities of CIME, as well as the Charter of KazNMU and the Collective Agreement. The personnel policy of schools implementing the educational programs of CIME “Medicine”, “Pediatrics”, “Dentistry”, “Medical and preventive care” is fully consistent with the Personnel Policy of the university, which uses an open, transparent process, criteria for recruitment and appointment to teaching staff positions, and guarantees equal employment opportunities, according to qualification requirements where the area of responsibility, assessment of the activities of the teaching staff, promotion, and term of office are defined.

The University staff consists of 2681 people, of which 1552 are teaching staff, including 7 academicians, 121 doctors of sciences, 388 candidates of sciences, 91 PhD doctors. At the university, there are 1 recipient of the Order of “Dostyk” I degree, 1 recipient of the Order of “Dostyk” II degree, 6 recipients of the Order of “Parasat”, 8 recipients of the Order of “Kurmet”, 3 recipients of the Order of “Barys”, 5 recipients of the medal “For Distinguished Labor”, 1 recipient of the medal “Shapagat”, 5 recipients of the honorary title “Honored Worker of Kazakhstan”, 5 recipients of the medal “People's Gratitude” and 17 recipients of the jubilee medal “30 Years of Kazakhstan's Independence”. The proportion of doctors of sciences, candidates of sciences and PhD doctors in the total number of full-time teaching staff of KazNMU in 2023-2024 academic year was 38%. 17% have a scientific and pedagogical experience of up to 10 years, 42% from 10 to 20 years, and 41% over 20 years. Of the total number of teaching staff at KazNMU, they have an academic degree: 18% - under 45 years old, 57% - from 45 to 60 years old, 25% - above 60 years old. The average age of the teaching staff is 53-57 years.



In order to ensure that the profile of the teaching staff of general education, basic and clinical disciplines, academic staff and teaching and support staff plan the distribution of teachers in basic disciplines, behavioral and social sciences, as well as specialized disciplines, taking into account the requirements of educational programs, the ratio of the volume of disciplines is established according to the SCSE in the field of health, the order of the Minister of Health of the Republic of Kazakhstan dated July 4, 2022, № ҚР ДСМ-63. In accordance with the teacher recruitment policy, full-time employees, depending on their employment in clinical practice or research activities, the proportion of teaching and support staff is established with the definition of the role and proportion of non-academic staff in the educational process and administrative work, clear procedures for selection, interviewing and decision-making on hiring teachers and staff are developed.

Certified specialists with the highest and first medical qualification categories, with academic degrees from practical healthcare, are widely involved in teaching core disciplines.

The university's personnel policy provides for events for professional development, advanced training, growth of teaching skills, scientific research of department employees through the organization of courses, seminars, master classes, trainings, conferences, forums, etc.

The university has been developing a system of assessment, motivation and adaptation, and remuneration for teaching staff in both material and intangible forms. An important part of this policy is the key performance indicators of teaching staff and departments. In order to encourage and support the teaching staff for their high achievements in achieving the strategic indicators of the NJSC Asfendiyarov KazNMU and defines a list of key performance indicators for teaching staff and departments, and the procedure for conducting the assessment.

In the 2022-2023 and in the 2023-2024 academic year, teachers received an incentive salary increase based on the results of the academic year's performance indicators. Also, according to the Regulations on awards of NJSC Asfendiyarov KazNMU university employees, in order to encourage them for fruitful educational, scientific and educational work, for special labor merits, are presented to higher authorities for encouragement, for awarding industry and state awards, Certificates of Honor, badges, conferring honorary titles and the title of the best employee on profession.

According to the Regulations the teaching load of teaching staff of NJSC Asfendiyarov KazNMU determines and controls the volume of calculation, individual distribution and implementation of teaching load, calculation of the total volume of teaching load on disciplines, department staffing schedule, individual teaching staff plan, certificate of work performed (for hourly wages), contract for the provision of services (for hourly wage).

In order to maintain a balance, the needs for teaching staff are analyzed on the basis of educational programs and the average annual teaching load of teaching staff is established in accordance with the decisions of the Academic Council of KazNMU for the 2022-2023 and 2023-2024 academic years about approval of the teaching load and a differentiated approach is applied to the distribution of the load among individual positions held, in accordance with the Regulations and orders on reducing the teaching load. Calculation of hours for the academic year is carried out on the Staffing.kaznmu.kz platform by level of education and by department.

The University establishes additional payments to teaching staff for medical and scientific activities, for teaching in English, etc., in accordance with the "Regulations about remuneration, perks, provision of financial assistance and other social benefits for employees", "Regulations about stimulation of publication and research activities", "Regulations of the Economic Council".

In 2019, the rules for training and professional development of personnel were updated and approved by the decision of the Board of NJSC Asfendiyarov KazNMU. The University provides mandatory advanced training for teaching staff every five years, offering opportunities and promoting career growth and professional development. This process is regulated by the "Rules for training and professional development of personnel of the NJSC Asfendiyarov KazNMU".

The University supports the participation of teachers in trainings, advanced training

courses and other educational events. Advanced training and certification courses for medical and pharmaceutical personnel are carried out by the Institute of Additional and Professional Education.

On the basis of IAPE, free English language courses and courses on pedagogical competencies are regularly organized for teaching staff. Funding for the School provides for teaching English to teaching staff and obtaining a certificate. 7 people have completed training within the framework of the Erasmus program. The University provides incentive payments to teachers teaching in English. One of the strategic indicators of the university is the share of teaching staff under 45 years of age who speak English (with IELTS, TOEFL, NCT certificate, and diplomas from foreign universities). In this direction, work is being done to stimulate teaching staff who speak English: the university reimburses the costs of taking the IELTS and TOEFL tests. Teaching staff with IELTS and TOEFL certificates are entitled to a 25% variable part of their salary. Currently, teachers also receive a bonus for meeting performance criteria of KPI.

The University provides the opportunity to participate in academic mobility programs for teachers within the framework of memoranda, agreements or cooperation agreements. The school annually plans academic mobility of teaching staff to near and far abroad countries at its own expense.

The university has created a favorable environment for the use and widespread application of clinical practice in the organization of the educational process at all levels of education. For this purpose, mentoring is being introduced at clinical sites. The purpose of mentoring is to ensure the training of qualified, competitive personnel that meets modern requirements for the quality of doctors.

Maintaining a “teacher-student” balance is maintained depending on the components of the EP in accordance with the requirements of the university. At KazNMU, the average ratio of the number of students to teachers for calculating the teaching staff group, determined on the basis of the order of the Ministry of Education and Science of the Republic of Kazakhstan dated October 31, 2018 №606 “On approval of the average number of students to teachers for calculating the general classification of the teaching staff of organizations of higher and (or) postgraduate education , with the exception of foreign ones, special educational institutions, educational organizations in the field of culture». The total number of teaching staff is formed based on the average ratio of students to teachers at the undergraduate level - 6:1.

### ***Analytical part***

The teaching staff of the university has a basic education corresponding to the profile of educational programs. The entire teaching staff is engaged in scientific, educational, methodological and practical activities, has extensive experience in implementing educational programs and training specialists in the field of health care, clearly understands the whole complex of basic characteristics of education, including the goals, results and content of training, the organization of the educational process, ways and methods of their implementation, criteria for assessing learning outcomes. The teaching staff carries out scientific and technical programs on medical specialties and provides the educational needs of various specialists in the form of advanced training and certification courses, etc.

Among teaching staff, the share of positions occupied by full-time teachers from their total number, incl. for cycles of basic and specialized disciplines, the State Educational Standard is 83%, while those working part-time or moonlighting make up 17%. The ratio between medical and non-medical teachers is 80% to 20%.

The heads of departments plan the need for personnel and the need for their training by analyzing data on possible changes in the activities of departments, as well as on the basis of applications for the selection and hiring of teaching staff due to staff expansion or the relocation of any specialist.

Certified specialists with the highest and first medical qualification categories, with academic degrees from practical healthcare, are widely involved in teaching core disciplines. To ensure teaching in the specialized areas of knowledge covered by the educational program, the main requirements for teaching staff of major departments are the presence of higher medical education, master's degree, specialist certificates and qualifying medical categories.

In accordance with the Labor Code of the Republic of Kazakhstan, the teaching staff is assigned a working time of 40 hours per week, within which they must carry out all types of work established by the position held by the educational schedule and individual plans.

In accordance with current legislation and the requirements of the QMS, job descriptions have been developed, which define the qualification requirements of teaching staff, job responsibilities, rights and responsibilities.

The training and qualifications of teaching staff correspond to the direction of the educational programs being implemented and the level of positions held. The qualifications of teaching staff are confirmed by the appropriate academic degree, academic title, and work experience. The activities of teachers are planned, ensuring the necessary balance between educational and scientific activities.

In accordance with the Regulations "On the competition commission for filling positions of teaching staff and researchers of Asfendiyarov KazNMU " collegial election is carried out to fill vacant positions of teaching staff and scientific workers. When hiring at KazNMU, applicants are required to meet the requirements in accordance with Order №338 dated July 13, 2009, these Standard Qualification Characteristics are mandatory in accordance with the Law of the Republic of Kazakhstan "On Education". The Standard Qualification Characteristics reflect the job responsibilities and requirements for each position of the teaching staff.

In accordance with the Regulations "On the competition commission for filling positions of teaching staff and researchers of Asfendiyarov KazNMU " collegial election is carried out to fill vacant positions of teaching staff and scientific workers. When hiring at KazNMU, applicants are required to meet the requirements in accordance with Order No. 338 dated July 13, 2009, these Standard Qualification Characteristics are mandatory in accordance with the Law of the Republic of Kazakhstan "On Education". The Standard Qualification Characteristics reflect the job responsibilities and requirements for each position of the teaching staff.

The basis for the formation and implementation of personnel policy at NJSC "Asfendiyarov KazNMU " the following principles are highlighted: innovation, consistency, focus on results, social protection of workers, a democratic approach to the management of teaching staff and University employees, a combination of interests of the management staff and the managed subsystem, accessibility of management, creating conditions and an atmosphere of initiative and creativity, stimulating the activities of teaching staff, personal development of personnel.

The personnel policy pursued by the university guarantees recognition of the merits of all types of teaching staff activities. Their activities are assessed based on the results of educational, methodological, organizational, research work, medical activities necessary for the practical training of students, and educational work. The university uses various methods of material and non-material stimulation, motivation and promotion of employees for achievements in the educational and professional fields, which directly affect the improvement of professional qualifications of employees.

The university has introduced and is improving a system for rating the activities of teaching staff in departments, which is regulated by the Regulations on the key performance indicators of the teaching staff of departments. The main objective of this system is to stimulate the growth of qualifications, professionalism, productivity of pedagogical and scientific work, the development of the creative initiative of teaching staff by differentiating their work.

Recognition of worthy academic activities of teaching staff is carried out at the university, including through financial rewards. The University has sufficient economic conditions to reward employees in accordance with the Regulations on Remuneration of Employees. Incentive

bonuses are established for employees taking into account criteria that allow them to evaluate the effectiveness and quality of their work based on establishing qualitative indicators of their activities, as well as both as a percentage of the official salary established for the employee, and in absolute amount.

The university regularly trains teaching staff of the university according to the Rules for training and professional development of personnel of the NJSC "Asfendiyarov Kazakh National Medical University". The plan for advanced training and retraining of university teaching staff is approved by the vice-rector for educational activities for the academic year. In total, at the university during 2019-2024, 83 teachers were trained in Kazakhstan; abroad - 29 people.

In addition, the university teaching staff takes part in various scientific and practical conferences and congresses, which is part of their continuous education system.

In order to ensure high quality of education and implementation of EP, the university has been actively developing the academic mobility of teaching staff within the framework of international cooperation of the university. The best teachers with the required high level of training are selected to participate in academic mobility on the basis of an intra-university competition; additional work is carried out with the winners in the form of individual consultations.

Thus, the University promotes the constant personal and professional growth and development of teachers, thereby increasing student satisfaction with the quality of teaching and the organization of the educational process.

Active cooperation is carried out with highly qualified foreign specialists from Germany, South Korea, China, the Russian Federation, Turkey, the Czech Republic, Uzbekistan, and Kyrgyzstan.

To conduct scientific research, the university actively attracts specialists with foreign work experience or education, who received an education or an academic degree outside the Republic of Kazakhstan, and who continue practical work abroad.

Personnel policy is aimed at increasing the level of human resources. The University provides all employees with equal opportunities to realize their abilities and career growth. With the effective performance of official duties, active scientific and pedagogical, educational and methodological, organizational and educational activities, successful clinical work, teachers are recommended for higher positions, the replacement of which is carried out based on the results of election by competition.

The university provides financial support to the first author for publishing an article in a ranking scientific journal indexed in the Science Citation Index Expanded of the Web of Science database and (or) having a percentile ranking according to Cite Score in the Scopus database. In order to support young scientists, the university holds the annual International Forum "Asfen.forum, new generation-2024", where top places are rewarded with cash prizes.

Issues of increasing human resources potential are resolved through the implementation of a visiting professor program at the university; English language training courses for teaching staff; academic mobility programs; through material incentives and encouragement. As a result of the work of invited specialists, the teaching staff develops joint scientific and educational projects, publishes articles in highly rated journals and plans further joint cooperation.

If employees, during advanced training, acquire special skills and knowledge that are necessary for more effective work at the University and meet the needs of the functioning of the departments, then the University covers all expenses. In order to prepare and implement modular training in the EP CIME in 2023, IAPE conducted advanced training of teaching staff under the program "Specialist - teacher of modular disciplines."

During 2022-2024, the number of employees who underwent training was 1,849 people, including 251 who completed foreign internships; currently, two teachers are undergoing scientific internships within the framework of the international Bolashak program. Over the past 5 years, 72 teaching staff have completed doctoral studies. 27 people defended a dissertation and received a doctorate.

The university maintains a balance between teaching, research and service functions, including setting times for each type of activity. The annual teaching load of the university teaching staff is approved annually at a meeting of the Academic Council. For the 2023-2024 academic year, the teaching load of teaching staff is no less than: 550 hours - for heads of the department; 550 hours – professor; 680 hours – associate professor and lecturer; 680 hours – assistant.

The rules for certification of teaching staff of KazNMU determine the level of qualifications of the employee and his suitability for the position held; contribute to the expansion of the motivational areas of the employee's activity for the design of personal achievements.

Research competence is implemented in accordance with the Development Program of NJSC KazNMU 2024-2028. Currently, teaching staff actively participates in competitions for grant funding for scientific and scientific-technical (STP) projects. From 2019 to 2023, 50 projects were registered at NJSC “KazNMU”, of which 20 were projects of the Ministry of Science and Higher Education of the Republic of Kazakhstan, 1 project of the Ministry of Health of the Republic of Kazakhstan, and funding was allocated for the implementation of 29 intra-university projects, for the 2022-2023 academic year 27 patents were received, including 1 Eurasian, and 6 copyright certificates. In 2023, the University's research activities were carried out as part of the implementation of 41 projects.

***Strengths / the best practice***

No strengths identified for this standard.

***EEC recommendations: no***

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

- ***Strong – 0***
- ***Satisfied – 8***
- ***Suppose improvements – 0***
- ***Unsatisfied – 0***

***6.6. Standard 6. “Educational Resources”***

***Evidence section***

Asfendiyarov KazNMU is a large organization of higher and postgraduate medical education, which has a powerful material, technical, educational and methodological base, highly qualified personnel, an established scientific and pedagogical school for conducting educational and scientific-educational processes for students on educational programs of CIMO.

The university provides every student with free access to information resources, library funds and material and technical equipment in the form of classrooms, medical equipment, multimedia equipment, and premises where practical skills can be developed.

The university has 10 academic buildings with a total area of 58876.1 sq.m., 47976.1 sq.m. of its own and 10900 sq.m. rented premises, a gym, 8 dormitories for 1604 places with a total area of 25559.2 sq.m., accommodation in which is regulated by the “Regulations on Student Dormitory”.

The lecture halls are equipped with the necessary technical equipment, stationary multimedia projectors and are designed for 2040 seats. To develop a unified corporate culture among students and staff of the University, 9 lecture halls were named after outstanding people whose professional lives are closely connected with the University. Training rooms are designed from 12 to 60 seats.

Training and educational laboratories are located in the building of the Research Institute of Fundamental Medicine (RIFM) named after. B.A. Atchabarov. The RIFM includes 5 large

laboratories, including a vivarium, founded since the opening of the medical institute, their total area is 801.4 sq.m.

The university has the necessary resources to organize clinical training, including a sufficient number of patients and bases for clinical training of future specialists in hospitals, outpatient clinics, city clinics, institutions and other medical organizations in Kazakhstan.

The university has its own clinics, 5 research institutes, agreements with medical organizations in Almaty, Almaty region and 8 regions of the Republic of Kazakhstan for conducting student training and internships for interns. These are 18 regional, city and district hospitals, maternity hospitals, clinics, city and regional specialized centers. It includes 5 leading research institutes, 4 medical institutions of republican significance, 7 urban medical centers of various profiles, regional, oblast, and city dispensaries, multi-profile urban hospitals, city clinics, private medical centers, organizations of the sanitary-epidemiological service at the republican and city levels, with which cooperation agreements are signed.

The structure of the University Clinic includes: "Center for Internal Medicine" (100 beds, of which 80 are on the budget, 20 are outside the budget), "PHC and Diagnostics Center" (number of attached population – 16081 people), Children's Center "Aksai" (180 beds, of which 165 are on the budget, 15 are outside the budget). A unique Competence Center for Orphan Neurological Diseases has opened at the "Aksai" Children's Center. This is the first project implemented by the Fund KAZNMU ENDOWMENT. Funds for its implementation were allocated by private companies, including the "Vera" Fund, "ALSECO", RIO wall art, "Omirge Sen" Fund, "Valdi" company, Farm ZS, 2 new game rooms were opened in the orthopedics department with the support of the PF "Zhana Omir", PF "Help today" and LLP "Biomarin".

The University Clinic provides primary health care, inpatient, specialized care, as well as consultative and diagnostic, high-tech medical services; clinical departments are based here.

Clinical bases serve both adult and pediatric populations, which allows students to gain the maximum level of knowledge in the scope of medical care at all levels, starting from primary health care and specialized, with access to modern medical equipment (X-ray rooms, rehabilitation departments, physiotherapy rooms, etc.). Senior students have the opportunity to work in the information systems of the Ministry of Health Damumed, MedElement, etc., due to the Institute of Clinical Mentoring.

The allocation of students to clinical sites is carried out by schools according to the capabilities of the respective clinics (order on the practice of the 1st year). Practice diaries are used to monitor the development of practical skills. Skills acquired during practical sessions are evaluated in accordance with the programs of study and checklists reflected in the practice syllabus.

The university's simulation center is equipped with 550 simulators and phantoms, the total area of classrooms is 1110.9 m<sup>2</sup>. In collaboration with the graduating departments, during the preparation of OSCE and FSC, the simulation center uses the material resources at its disposal to organize an exam for practical skills among students, interns and residents.

The total area of the Scientific Library is 6386 sq.m., including the area of the library premises - 5396 sq.m., the area of book storage - 902 sq.m. The library consists of 5 departments: department of acquisition and scientific processing of literature, cataloging; reference and bibliographic department; scientific and methodological department; department of automation and electronic resources - 2 electronic reading rooms: An Internet room with 54 seats (2nd floor) and an electronic reading room (4th floor) with 42 seats.

In the Scientific Library, there are 50 desktop computers, 40 laptops, 41 notebooks, 2 video projectors, 3 screens for conducting various events, and office equipment including 1 semi-automatic scanner, 2 document scanners, and 15 printers.

The social and domestic sphere is represented by student dormitories, catering establishments, medical and preventive premises, leisure facilities, and a gym.

The Museum of Medicine, with a total area of 280 sq.m., plays a significant role in educating the younger generation.

The University has created and operates a Digitalization Council, which is a permanent coordinating and advisory body in the field of solving problems in the use and development of information technologies. The personal composition of the Council is approved annually. State policy in the field of information technology is determined by the Law on Informatization and state programs.

The software and technology infrastructure constantly evolves. Currently, the university is implementing a phased transition from the university's automated information system "Sirius" to the Hero Study Space system. The official website <https://kaznmnu.edu.kz/> is also being updated, which reflects the mission, goals and objectives of the university.

The Committee of Educational Programs is constantly functioning at KazNMU, the Regulations of which describe the management functions and principles of constructing EP, the basic requirements for the development and conditions for their implementation, including new EP.

The University has a Quality Assurance Commission, which includes school staff, representatives of leading professors and associate professors, as well as students.

According to the regulations, the Quality Assurance Commission performs functions related to reviewing and approving educational programs, assessment systems, and making decisions to enhance quality, improvement activities for educational programs based on survey results, and addressing complaints and appeals from staff and students.

The updating of educational programs is carried out in accordance with the standards of internal quality assurance of the University's educational activities with the aim of engaging all stakeholders in discussions, including University faculty and students, employers, alumni associations, and representatives of healthcare professional unions.

The distance learning portal provides effective tools for organizing the educational activities of students when organizing office hours and SIW.

The capabilities of the local network of KazNMU have been expanded: the speed of the Internet access channel increases annually: if in 2022 it was 500 Mbit/s, in 2023 - 2 Gbit/s, in 2024 it is planned - 3.5 Gbit/s.

In order to effectively use information and telecommunication technologies, computer labs with Internet access, multimedia, and office equipment have been established in relevant departments. There are currently 428 Wi-Fi access points installed in the university's academic buildings and dormitories. A Wi-Fi zone is operational on the KazNMU campus. The Wi-Fi project implementation is ongoing, and currently, 80% of the university's computer park has been updated.

Opportunities are provided for teachers and students to use information and communication technologies for self-directed learning, accessing information, patient management, and working in the healthcare system, as well as training in evidence-based medicine and preparing students for continuous medical education and professional development.

At the moment, KazNMU has developed and approved a Development Plan - a Roadmap for further digitalization for 2024-2028. A necessary condition for the development of medical education at its level for the University will be its complete digitalization with the development of online services, libraries, classrooms, personal electronic accounts of students and teaching staff. Digitalization will also create opportunities for transparent, reliable and cost-effective control of knowledge and skills, and expansion of the educational and scientific information base. Digitalization of educational and other processes of the University will contribute to the reduction of unproductive costs (financial, material, time).

The digital and information provider of KazNMU is also the Scientific Library of the University, which consists of 5 departments: 1. Department of acquisition and scientific processing of literature, cataloging; 2. Reference and bibliographic department; 3. Scientific and methodological department; 4. Reader service department; 5. Automation and electronic resources department.

In the Scientific Library, there are: 50 all-in-one computers, 40 desktop computers, 4 laptops, 2 video projectors, 3 screens for various events, 9 multipurpose and copying equipment, 1 semi-automatic scanner, 2 document scanners, 15 printers, 16 video cameras, 1 interactive whiteboard, 31 handheld scanners, 1 color scanner..

The Department of Automation and Electronic Resources has 2 electronic reading rooms: an Internet room with 54 seats (2nd floor) and an electronic reading room (4th floor) with 42 seats. The total number of seats in the halls is 96.

The library fund of KazNMU is universal in that it consists of documents stored on remote technical devices. In Sirius, in the Library Module, there is an electronic library catalog through which users can find the necessary literature and access it in full-text format. Access to all library services in the Sirius program is provided through the personal accounts of students.

The electronic textbook fund includes 14,571 copies, among them: electronic books - 9,015 copies, electronic books in PDF format - 5,556 titles. Readers with an IP address can access and use the literature from any location and device. Additionally, access to global electronic databases is available: electronic subscriptions for 2023 – 22 245 721 tenge, electronic subscriptions for 2024 – 18 986 626 tenge. The Scientific Library has agreements for mutual cooperation with libraries and organizations in Kazakhstan.

The library uses an automated library system called "KABIS," specially developed for library processes, including automation of library operations and providing remote access to the electronic catalog via the Internet. The electronic catalog of the library is available to all categories of KazNMU users through the library's website.

An automated "return-issuance" service for documents has been introduced at all issuance points based on the Sirius AIS. The educational literature of all schools has been assigned bar codes.

The Department of Science, in collaboration with the Department of Educational and Methodical Work (DEM) and the library, conducts an analysis of the needs and satisfaction with educational and methodological literature on specialties, levels, and languages of instruction. Taking into account the department's needs and the analysis conducted, the DEM forms university-wide requests for the purchase and publication of textbooks and teaching materials for the new academic year.

Annually departments and modules submit applications for the purchase of educational and methodological literature, which can significantly improve the quality of the educational process. In accordance with the strategy of trilingual education, applications are submitted for educational and methodological literature in Russian, Kazakh and English. When forming applications, factors such as the subject of published works and its relevance, place and year of publication, composition of the team of authors are taken into account.

The University continually reviews and updates library resources to meet changing needs. Monitoring of the provision of library resources, analysis of its sufficiency, resource requirements, as well as the process of updating is carried out annually.

In order to expand the range of assistance to library users of the NJSC "Asfendiyarov KazNMU" there is a night library and a reading hall from 18.00 to 22.00 at the hostel №8. Thus, the Scientific Library operates on the principle "Library - 24 hours a day". In 2021, an Order was issued on the transition of the Scientific Library from traditional paper catalogs to electronic ones. At the same time, the necessary material, which was in the paper version of 17 card files, can now be found in the electronic catalog of the KABIS program.

The scientific library pays great attention to the provision of information and bibliographic services: "Information Days", "Department Days", exhibitions and viewings, compilation of recommendatory and scientific auxiliary literature lists, and thematic written and oral references are held. As new literature is received, information bulletins are issued, and information in the form of a virtual exhibition of new receipts is posted on the website of Asfendiyarov KazNMU. The Scientific Library actively participates in all university events: reading conferences, debates,



meetings with interesting individuals. Book exhibitions, stands, and thematic bibliographic reviews are organized for all these directions.

In 2021, an Order was issued on the transition of the Scientific Library from traditional paper catalogs to electronic ones. The library uses the automated library system "KABIS", developed specifically for library processes, including automation of library processes and provision of remote access to the electronic catalog collection via the Internet. The electronic catalog of the library is available to all categories of users of KazNMU through the Internet page (<http://lib.kaznmu.kz>). Readers, if they have an IP address, can access and use literature from any location and any device. The library's automation and electronic resources department includes 2 electronic reading halls: an Internet hall and an electronic reading hall.

The library's fund includes more than 1436504 copies/223879 titles of educational and scientific literature: books, dissertations, abstracts, periodicals in the state, Russian and foreign languages. Including the fund of electronic textbooks is 1451 copies. Among them: e-books – 9015 copies, e-books in PDF format – 5556 titles. In 2023, the book stock increased by 7750 copies/726 book titles.

The University implements the following programs: “Academic mobility of students, teachers and staff” and “Visiting professor of KazNMU».

Having assumed obligations to implement the parameters of the Bologna process, KazNMU, with the support of the Ministry of Education and Science of the Republic of Kazakhstan and the Ministry of Health of the Republic of Kazakhstan, has been implementing the “Academic mobility of students” program since 2011, the goal of which is the internationalization of education and integration into the global educational space, accompanied by the use of modern pedagogical technologies in teaching students in leading universities in the world or invited foreign scientists Regulations on academic mobility of students, teachers and staff.

In 2018, by Decree of the Government of the Republic of Kazakhstan dated June 27, 2019 №453 of the NJSC “Asfendiyarov KazNMU” was awarded the status of a research university. In 2019, KazNMU won the independent award “Leader of Science - Web of Science Awards” in the category “Leader in the number of publications in journals Q1 and Q2 quartiles of the Web of Science CoreCollection over the past 3 years among medical universities of the Republic of Kazakhstan».

According to the results of the international ranking by the European Scientific-Industrial Chamber ARES-2020, the university ranked fourth among universities in Kazakhstan with category AA. A study on the university ranking for 2021 was conducted by the National Chamber of Entrepreneurs "Atameken" at the request of the Ministry of Education and Science of Kazakhstan, in which KazNMU took the first place.

In 2023, KazNMU underwent institutional accreditation for 5 years. The National Accreditation Center "KazNMU" became one of the first universities in the country to receive a certificate of conformity to the Quality Management System based on the new version of the international standard ISO 9001. The audit was conducted by SGS (Switzerland), a global leader in independent expertise, the largest international body for certifying management systems.

The university is one of the members of the Academic Honesty League.

Since 2019, the university has been a member of The Association for Medical Education in Europe (AMEE), the Siberian Open University Association UNAI; concluded 140 cooperation agreements with universities, medical and scientific organizations in 35 countries near and far abroad, including TOP-500 universities; in April 2019, a Memorandum and Agreement on double-diploma education on the specialty “Public Health” was signed between the University at Albany of the State of New York and KazNMU. As part of the Erasmus+ program, agreements were signed with European universities - Finland, Lithuania, Spain, Estonia, Italy.

Employees are implementing the “ERASMUS+” project “Improving training in the field of child care as a model for modernizing postgraduate medical education in Central Asia ChildCA.” Also in the field of internationalization of education, the University participates in two projects:

under the “ERASMUS+Key action 1. Academic mobility for higher education students and staff” program, agreements have been concluded with four European universities (LSMU Lithuanian University of Health Sciences, Lithuania, JAMK University of Applied Sciences, Finland, University of Granada, Spain, University of Tartu, Estonia); according to the program “ERASMUS+Key action 2. Capacity building in the Field of Higher Education».

In 2015, a geographically remote office of the WHO European Bureau was opened on the basis of KazNMU and, in collaboration with QS Asia Quacquarelli Symonds, a seminar was held with the participation of 7 TOP 100 universities in Asia and TOP 500 universities in the world.

KazNMU has developed a Regulation on stimulating publication activity and research activities, on the basis of which payments were made to scientific and teaching staff of the University based on the results of the first half of 2023 in the amount of 28.6 million tenge and in the amount of 46,4 million tenge based on the results of the second half year 2023.

The main goal of the Research Institute of Fundamental and Applied Medicine (RIFAM) named after B. Atchabarov is to increase the scientific and pedagogical potential of the teaching staff and researchers through their active involvement in the implementation of scientific and technical programs in the field of healthcare. The structural division of the Institute includes: Scientific and Practical Control and Analytical Laboratory of Chemistry and Pharmacognosy (SPCALCP), Laboratory of Experimental Medicine, Scientific Clinical Diagnostic Laboratory, Scientific Laboratory “Collective Use Center” (CUC), Scientific and Educational Pharmacopoeial Center, Vivarium.

On the basis of the NJSC University, five leading research institutes and scientific centers are united: Kazakh Research Institute of Oncology and Radiology, Scientific Center for Obstetrics, Gynecology and Perinatology, Scientific Center for Pediatrics and Pediatric Surgery, Scientific Research Institute of Cardiology and Internal Medicine, National Scientific Surgery Center named after A.N. Syzganov. Thus, conditions have been created and are being implemented for the real integration of medical education, science and practice in the interests of people’s health.

The University has a system of funding and support for research activities. Regular competitions are held to obtain university research grants for teaching staff, researchers, and doctoral students.

The examination of education at the University is carried out in accordance with the logical model for assessing the educational program. External expertise is provided by involving different stakeholders in institutional research and obtaining feedback according to a specified logic model.

The LEC operates at the NJSC Asfendiyarov KazNMU in accordance with the international principles of GCP.

The university has a department of labor protection, civil protection and safety, fire safety, which regularly provides instructions to university employees and students on compliance with labor protection and rest requirements, labor and performance discipline. The university premises are equipped with systems and equipment to create a safe environment (fire extinguishers, fire-fighting equipment, evacuation schemes, etc.). Chemical laboratories have fume hoods.

The university has installed: an access control system (ACS), which allows you to automate control over staff and its visitors; electromagnetic locks with access control at the Research Institute of Fundamental and Applied Medicine (RIFAM) named after B. Atchabarov and in the administration. Digital and analogue cameras are installed on the territory of the university and along the perimeter of the dormitories. All cameras are combined into a single center, recording is done automatically and stored for a long time.

By means of budgetary and extrabudgetary funds, approximately 90% of the buildings and dormitories of the university have been reconstructed and renovated, as well as 100% of the university's territory. Areas for student recreation (alleys, arena) have been created. Additionally,

the schools have budget allocations to improve the material-technical and resource provision for the implementation of educational programs.

There are medical centers operating on the university campus and in its dormitories. To ensure prevention of viral and bacterial infections, the classrooms and dormitories are regularly disinfected using ultraviolet light.

### *Analytical part*

EEC experts state that within the framework of the “Educational Resources” standard, during the work of the EEC expert commission, visits to departments, practice sites, analysis of submitted documentation, it was revealed that the material and technical base used to organize the learning process according to the educational programs of CIME is sufficient, complies with established safety standards and regulations. An [Endowment Fund](#) has been established for accumulating financial resources and implementing the best ideas. In the first 6 months of 2023, over 140 million tenge has been raised, which will be used for the implementation of scientific and charitable projects. A major project has already been realized - the country's first Center of Competence for Orphan Neurological Diseases. Additionally, through the Center, the transfer of new technologies and best practices to the regions will be facilitated.

Implementation of educational programs at the university is ensured by providing every student with free access to information resources and the library fund.

The EEC confirms the availability of support systems for students, including support through the university's website, personal inquiries to the dean, vice-rector, rector, curator, mentor, advisor. During interviews, students expressed complete satisfaction with the education, scientific work activities, catering system, medical services, and dormitory accommodations.

The 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 students to participate in scientific research and publication activity.

Clinical and industrial sites provide teachers and students with access to information, patient management, and health care work to improve clinical/practice training to meet community needs.

The University administration allocates necessary funds from the university budget for continuous improvement of the material and technical base. These funds are used for: major and current repairs, technical support for educational, scientific, and informational activities, purchase of furniture and educational supplies, maintenance of operational condition of engineering communications and networks, buildings, and structures.

One of the important electronic resources is the library website, which informs readers about resources, operating hours, services provided and about all the changes and news in the library.

The electronic document management system “Salem Office” AIS “Sirius” operates effectively, allowing document management in a “paperless” format using an electronic digital signature for signing documents, processing requests from teachers and other structures for various services.

The Digital Services Center portal developed by the Digitalization Department represents a single virtual Digital Services Center and ensures the implementation of the “one window” principle when providing services to students, listeners, and applicants.

Currently, a safe environment for employees and students is one of the most important issues in the professional activities of medical staff. The university has created conditions that ensure the safety of employees and students: information is provided and safety precautions are observed in the workplace, there are fire alarms in all buildings of the university, instruction is provided, there is an evacuation plan on each floor, and there are shields with fire-fighting equipment. But at the same time, members of the EEC drew attention to the lack of ramps and other facilities in the educational and laboratory buildings.

In order to implement an inclusive education system at the university, it is necessary to create a barrier-free environment for students with limited abilities. It implies technical equipment of educational institutions with ramps, special lifts, threshold-free doorways, tactile pathways, and others.

University employees have the opportunity to exchange experience and knowledge through participation in university, city, regional, and international conferences, forums, and seminars. Experienced professors travel to partner universities as part of academic mobility, give lectures, conduct seminars, and share their experience in conducting scientific work. Visits by foreign professors are used by the University with maximal efficiency.

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

1. The Endowment Fund created by the university allows for the development of a resource base for the implementation of educational programs in terms of providing scientific and clinical research, which creates conditions for the training of highly qualified personnel.

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

1. The management of the university should ensure the creation of a safe environment for students to implement an inclusive education.

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

- ***Strong – 1***
- ***Satisfied – 12***
- ***Suppose improvements – 1***
- ***Unsatisfied – 0***

### ***6.7. Standard 7. “Evaluation of the educational program”***

#### ***Evidence section***

At the University, the assessment of educational programs is carried out through existing monitoring and expert assessment procedures in accordance with the regulatory documents of the Academic Policy of KazNMU, the Standard for Internal Quality Assurance of Educational Activities, SOP, Regulations on Educational Programs, Regulations on the School/Faculty Quality Assurance Commission.

The intra-university system for assessing the quality of EP involves such structures as CEP, DAW, AC, QAC, departments, students.

Monitoring of learning outcomes is carried out by teaching staff of the department with recording of data in an electronic journal, as well as by responsible departments.

According to existing mechanisms for evaluating educational programs, Schools provide for the evaluation of educational programs at the stages of planning, implementation, analysis of results and implementation of changes, which allows monitoring the process of implementation of the educational program and the progress of students, and ensures the identification and timely resolution of emerging problems. Evaluation of the effectiveness of the EP is based on monitoring the main criteria defined by the Academic Policy of the university and SOP “Assessment and analysis of educational programs of KazNMU”.

In accordance with the Regulations on educational programs of KazNMU, the development of educational programs is aimed at achieving certain learning outcomes. The content of the EP includes specific academic disciplines and a structured set of educational procedures and situations that will lead to the achievement of the specified results.

When developing educational programs, the Schools are guided by the “graduate model”, formed on the basis of an analysis of the professional standards of the EQF, NQF and IQF.

Analysis and evaluation of the educational process is carried out in accordance with SOP: Monitoring the quality of the educational process, the use of active teaching methods and multilingualism in departments.

Monitoring of the implementation of EP is carried out within the framework of intra-university control and during internal and external audits of the activities of teaching staff and students.

Mechanisms for evaluating an educational program are a continuous process that is aimed at improving the quality of organization of the educational process; KazNMU has developed and operates all the necessary procedures, conditions and a number of regulatory documents for evaluating EP, which are regulated by the Standard for Internal Quality Assurance of Educational Activities.

The system for assessing EP at KazNMU is also represented by the work of internal commissions, involving employers in discussing and monitoring the implementation of EP, monitoring the results of feedback from all participants in the educational process and other interested parties. Based on the feedback, changes and additions are made to the Development Plan of the Educational Program as necessary.

KazNMU periodically evaluates educational programs, comprehensively evaluates the educational process, and for this there are all relevant procedures, mechanisms, conditions and a base of regulatory documents.

Responsibility for the quality of the educational program and educational process by the administration and teaching staff of the university is regulated by regulatory documents.

KazNMU systematically collects, analyzes and provides feedback to teachers and students, in accordance with SOPs regulating the mechanisms for assessing the satisfaction of external and internal consumers with the quality of services provided: “Procedure and forms of feedback”, “Documented procedure for assessing customer satisfaction”.

Feedback from teachers and students is provided at all stages of the EP implementation. Upon completion of studying the disciplines, a survey is conducted. Additionally, a box for complaints and suggestions is used, and students can also ask questions and suggestions directly to the rector’s blog. Consideration of controversial issues, complaints, and conflict situations is carried out at meetings of the QAC in accordance with SOP: “Working with appeals and complaints of teaching staff and students”.

All advisory bodies of the University: the School Council, the CEP, and the AC include representatives of the teaching staff, students, and employers. The involvement of employers and graduates of the University in the procedure for assessing and revising the educational program is mandatory and regulated in the “Regulations on educational programs”, “Regulations on the Council of Employers”. As a result of surveys, holding meetings, and collecting proposals from the chairmen of certification commissions, changes and additions are made to educational programs. The results of the evaluation of the educational program are heard at meetings of the School Council, the CEP, and the AC.

KazNMU involves key stakeholders in the monitoring and evaluation of the EP by conducting an information campaign among key stakeholders to increase their awareness and interest in monitoring and evaluating the educational program, their involvement and support by organizing regular meetings and consultations. Representatives of stakeholders are members of the CEP and have the opportunity to discuss the results of monitoring and evaluation, identify problems and risks, and develop solutions and recommendations for improving educational programs. KazNMU provides key stakeholders with accessible and comprehensible reports on the progress and effectiveness of educational programs.

### *Analytical part*

EEC experts note that, within the framework of the standard “Evaluation of the educational program” for accredited EP CIME, during the work of the expert commission and analysis of the submitted documentation, compliance with the requirements of the standard was revealed. Students, teaching staff and University employees 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, heads of relevant departments (departments, schools), or directly to the first head of the university.

Mechanisms for evaluating EP at KazNMU are also represented by internal commissions, involving employers in discussing and monitoring the implementation of EP, studying the results of feedback from all participants in the educational process and other stakeholders (SOP: “Assessment and analysis of educational programs of KazNMU”).

Evaluation of EP is a continuous process aimed at improving the quality of organization of the educational process; for this purpose, the university has created and operates all the necessary mechanisms, conditions and a base of regulatory documents for assessing EP, which are regulated by the Standard for Internal Quality Assurance of Educational Activities and is presented at all levels of EP implementation.

Having analyzed the work of the EP according to this standard, the commission notes that the university has a system for assessing EP, based on the use of a variety of methods for collecting, processing and analyzing information in the context of the EP and the University as a whole. Data is provided indicating the involvement of students, teaching staff, representatives of practical healthcare (employers) and other interested parties in the process of assessing EP.

Monitoring of the implementation of EP is also carried out within the framework of intra-university control and during internal and external audits of the activities of teaching staff and students. Monitoring of students' educational achievements during the course, depending on the goals and objectives of the educational process, is carried out by the level of knowledge, skills and abilities necessary for successful mastery of the curriculum, the degree of development of competencies that contribute to the personal and professional growth of students, the level of motivation, interest and satisfaction of students with their course.

The University conducts annual internal audits to determine the compliance of the processes of planning, organizing, monitoring and developing the quality of educational programs with established requirements.

KazNMU informs stakeholders of the assessment results of the program by preparing an evaluation report containing key findings and recommendations. KazNMU also organizes presentations, seminars, webinars, or other forms of feedback to discuss the assessment results with stakeholders and gather their opinions. The university strives to ensure that the assessment results are accessible, understandable, timely, and beneficial for stakeholders and the wider public.

***Strengths/ the best practice***

According to this standard, no strengths have been identified.

***EEC recommendations:*** no

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

- ***Strong – 0***
- ***Satisfied – 9***
- ***suppose improvements – 0***
- ***unsatisfied – 0***

## **6.8. Standard 8. “Management and Administration”**

### ***Evidence section***

The management of S.D. Asfendiyarov KazNMU is carried out in accordance with the legislation of the Republic of Kazakhstan and the university's Charter. The implementation of educational programs is carried out in accordance with the Law of the Republic of Kazakhstan dated July 27, 2007 №319-III “On Education”, Order of the Minister of Education and Science of the Republic of Kazakhstan dated April 20, 2011 №152 “On approval of the Rules for organizing the educational process in credit technology of education”, Order of the Minister of Healthcare of the Republic of Kazakhstan dated July 4, 2022 № ҚР ДСМ-63 “On approval of state mandatory standards for levels of education in the field of healthcare”, Order of the Minister of Education and Science of the Republic of Kazakhstan dated October 13, 2018 No. 569 “On approval of the Classifier of areas of training with higher and postgraduate education”.

The responsibility of academic leadership regarding the development and management of educational programs is studied and assessed based on an analysis of the implementation of the goals and objectives of the strategic plan, internal audit reports, and the results of the work of internal and external commissions.

Coordination, control and monitoring of the implementation of EP on all licensed specialties is carried out by schools/dean's offices under the supervision of the vice-rector of the academic block.

The university is a legal entity with an independent balance sheet, bank accounts and official attributes. The budget of the university is formed from several sources: the republican budget (state order for training personnel in university and postgraduate education, advanced training of medical workers, development of scientific research, transfers); local budget; provision of paid educational and other services; the expenditure of funds is approved by the highest collegial bodies of the university - the Board and the Academic Council.

The distribution of financial resources, production and non-production assets for the implementation of educational programs of CIME is carried out in accordance with the needs of structural units to ensure the effectiveness of the educational program and the training of highly qualified specialists. Schools formulate their strategic direction based on the University Development Plan.

Planning of the revenue and expenditure side of the budget is carried out in accordance with the Order of the Minister of National Economy of the Republic of Kazakhstan dated February 14, 2019 №14 “On approval of the Rules for the development, approval of development plans for state-controlled joint stock companies and limited liability partnerships, state-owned enterprises, monitoring and evaluation of their implementation, as well as the development and presentation of reports on their implementation”.

Based on the Regulations “On remuneration, bonuses, provision of financial assistance and other social benefits for KazNMU employees”, approved by the decision of the KazNMU Board dated August 28, 2019, the procedure for organizing the teaching staff remuneration system is regulated. Competitive budget applications for grant and program-targeted funding of scientific research and other projects in the field of medicine and healthcare are formed and submitted to the Ministry of Science and Higher Education of the Republic of Kazakhstan and the Ministry of Health of the Republic of Kazakhstan.

The main advisory bodies regulating the processes of teaching and learning, including scientific research, are: Academic Council, Committee on Educational Programs, Commission for Quality Assurance of Schools. The activities of advisory bodies are open, transparent, accessible and regulated by relevant provisions.

The internal audit department helps achieve set goals by using a systematic and consistent approach to assessing and enhancing the effectiveness of risk management, control, and corporate governance processes.

Assessment of stakeholder satisfaction is carried out as part of the annual planning and conduct of sociological research and includes: an annual survey of students about the quality of teaching the discipline; annual survey of teaching staff on the organization of the educational process; annual survey of graduates on the quality of educational services; survey of employers on the quality of specialist training.

At KazNMU, key internal regulatory documents have been developed and approved, defining the scope of responsibilities and authorities of the University regarding educational programs, including commitments to ensure the full provision of the educational process with all necessary informational sources and access to network educational resources: Academic Policy, Regulations on Educational Programs of S.D. Asfendiyarov KazNMU.

The activities of the academic leadership regarding the fulfillment of the mission and the solution of tasks assigned to the university are studied and assessed on the basis of the analysis and generation of reports and plans, analysis of the implementation of the goals and objectives of the strategic plan, internal audit reports, the results of the work of internal and external commissions.

To carry out financial and economic activities, including providing the necessary resources for the implementation of educational programs, employees of the Department of Economics and Planning and the Department of Accounting and Reporting perform relevant work within the framework of the “Regulations on the Department of Economics and Finance”, “Regulations on the Department of Economics and Planning”.

The financial activities of the university are also reviewed quarterly at a meeting of the University Board. Financial autonomy is exercised through budget funds allocated for education, as well as other funds coming to the University and the University Clinic from various sources. Creating the agreement with the Ministry of Health of the Republic of Kazakhstan, in accordance with the Development Program of the University of NJSC KazNMU for 2024-2028. a single fund of financial resources and allocating funds among various expense items, which allows you to freely maneuver resources and manage the funds received according to their intended purpose.

The formation of financial resources is carried out through the receipt of income from the implementation of activities established by the University Charter. The allocation of funds between the structural divisions of KazNMU is regulated by the Regulations on the distribution of funds between the structural divisions of NJSC Asfendiyarov KazNMU, which is being updated.

KazNMU is involved in the development of applied research and developments in the field of current medical and healthcare issues. The University operates an innovative structure for the set tasks; there is transparency in the management system and decisions made in the development and management of educational programs, and wide cooperation with partners in the healthcare sector is practiced.

When recruiting teaching staff, the university adheres to the “Rules for searching, recruiting, selecting, hiring and adapting employees at the NJSC Asfendiyarov Kazakh National Medical University”, a rating assessment of teaching staff is carried out for all types of activities in accordance with the “Rules for Certification of teaching staff”.

The university's quality management system is organized in such a way that all employees working in the organization are involved in ensuring the quality of management and strive to improve the quality of management of educational activities and the quality of educational services necessary to maintain customer satisfaction and where possible to improve.

The regulatory framework ensuring compliance of the quality management system with international standards requirements consists of documents developed by the Quality Management Department. In accordance with the Mission, Strategy, goals, and objectives, the Quality Policy has been developed and approved at KazNMU.

The Quality Manual of KazNMU describes the model and system of internal quality assurance of the University. The quality manual contains the organizational structure of the



University, processes and their interaction, necessary resources for management, analysis of the current QMS and its continuous improvement.

Joint activities of KazNMU with clinical bases are carried out through the Agreement "On Joint Activities". KazNMU teachers participate in consultations, conduct master classes, and are members of working groups of the Ministry of Health of the Republic of Kazakhstan for the development of standard programs and clinical protocols.

The clinical bases of the University include 155 medical organizations - primary health care organizations, hospitals at the city, regional and republican levels, which are the clinical bases of the University and the University Clinic, all clinical bases have 409 rooms with a total area of 6808.5 sq.m. University Clinic - 107 rooms with a total area of 1553.6 sq.m.

KazNMU teachers reviewed 22 clinical protocols across 10 clinical profiles. 47 teaching staff of clinical departments conducted reviews on 11 requests for maternal mortality. 27 teaching staff of departments participated in the translation of 28 ICD-XI classes from English into Kazakh. 10 teaching staff conducted a terminological examination of 28 classes of ICD-XI. In 2022, 87 innovations were implemented at clinical sites that improve and facilitate the provision of medical care.

Students, teachers, and clinic staff of KazNMU are familiar with and adhere to the "Student Academic Integrity Code" and the "Code of Honor for the teaching staff of KazNMU and Employees of NJSC Asfendiyarov KazNMU," which constitute standards of corporate ethics. These codes are included in the brochure "Traditions and Values of the University," transmitted annually and available in all departments and subdivisions of the university.

The information policy includes the provision of an annual report by the Chairman of the Board-Rector of the University on the results of the University's activities to the public: students, parents, employers, social partners and other interested parties. The management and decision-making system at the University is transparent and is posted on the KazNMU website.

The work plan of the academic committee and the decision of the academic committee are publicly available. Announcements on the University website about public procurement are also posted on the KazNMU website, reports on the implementation of the financial development plan, cash flow and balance sheet are also posted on the KazNMU website.

KazNMU has an Academic Policy for quality assurance, which is part of strategic management. The goal of AP is to achieve high quality at all levels of vocational education that meets the needs of the labor market, society and the state, and also corresponds to the best world practices. The policy is intended for students, teaching staff, managers and employees of structural subdivisions of the University, as well as all interested parties.

The university has implemented a quality management system (QMS) to improve performance and provide a solid basis for initiatives focused on sustainable development. Monitoring the assessment of consumer satisfaction is a systematic and regular comprehensive procedure aimed at tracking the solution to the main task of the University to ensure and improve the quality of educational services through the system of interaction of the university with various consumer groups. Through monitoring procedures: studying the opinions of teachers, staff and students about the degree of satisfaction with their work and study at the university, it is determined which components of the service are the most important for consumers in order to concentrate efforts to improve the main and auxiliary processes, as well as which components of the service, the main process, auxiliary processes are in the zone of increased dissatisfaction and, accordingly, require corrective efforts.

The developed Internal Quality Assurance Standards (IQAS) define the University's quality policy, which is aimed at ensuring the principle of openness and transparency of the educational process, opportunities for dialogue between its participants and receiving "feedback" from them. The main principles of quality assurance at KazNMU are the promotion of academic integrity and academic freedom, compliance of KazNMU activities with legislative and regulatory requirements, ESG recommendations.

The Council of Employers was created to assist the university in the field of training and employment of students, improving the quality of education, effective interaction with enterprises and organizations, clinical sites in areas of specialist training. The purpose of the Council is to assist in solving problems in the field of creating a high-quality educational environment, strengthening the educational and scientific potential of Schools, taking into account modern labor market requirements. The Council is formed and approved by order of the Vice-Rector of the academic block. The requirements and level of satisfaction of stakeholders with the results of the EP training are determined through various meetings with stakeholders. The results of the meetings are reviewed during meetings of the department and the quality department.

Feedback with consumers is maintained at the department level and through the quality department, which professionally conducts various surveys and questionnaires.

Asfendiyarov KazNMU has a clear range of responsibilities and powers to provide the educational program with resources, including a targeted budget for training. All financial resources of KazNMU are aimed at maintaining educational, research activities and improving the infrastructure of the university. The university has the opportunity, in accordance with regulatory documents, independently allocate financial resources to achieve the final learning outcomes.

### *Analytical part*

The results of the analysis of the presented data made it possible to verify that the quality management system for training specialists at KazNMU is aimed at achieving strategic goals by forming and defining tasks for achieving and improving the quality of educational activities.

Schools are administrative structural units for the implementation of the educational process according to the educational programs of CIME; the management of the schools is carried out by deans. Quantitative and qualitative indicators of the administrative and academic staff of the university are sufficient to ensure the implementation, monitoring and improvement of the EP CIME. Schools annually allocate money for training, for the development of departments that implement the educational process according to the EP CIME.

The CEP working groups include representatives of practical healthcare, the dean's office, DAW, teaching staff and students. The CQA is a collegial and expert body of the school, making decisions on the content and conditions for the implementation of educational programs, providing feedback to students and teaching staff regarding the conformity of the quality of educational programs and (or) disciplines/modules, regarding the presence of facts of violation of academic integrity.

KazNMU monitors and analyzes its activities. In order to ensure satisfaction with the training in general, meetings between management and students are organized annually, where issues of the quality of the content of educational programs, the quality of teaching, the quality of organization of the educational process, the quality of teaching technologies, the quality of forms of monitoring student knowledge, learning conditions, material, technical, methodological, information support for the educational process, living conditions, food conditions, etc., the result of which is a sensitive response to identified problems. Throughout the year, meetings are organized with vice-rectors and deans, and the requirements of students are studied daily by the dean's offices. The rector's blog, trust hotlines, and suggestion boxes are available.

The results of academic activities, the effectiveness of modern forms of management of the educational process, prospects for further improving management and improving the quality of education are reviewed and discussed at the annual reporting meetings of the rector with the public on issues of educational, research and financial activities.

Academic and scientific activities are discussed at the annual traditional conferences "August Conference", "University Days", "Asfen Forum".

Financial support is made in accordance with the approved Development Plan and Procurement Plan of the University in the context of cost items for the acquisition of goods, works and services aimed at developing and equipping the material and technical base.

KazNMU effectively operates a system for monitoring the activities of the university, developed in accordance with the recommendations of international standards. The analysis of data, obtained measurements and information is carried out. All measured indicators and characteristics of the quality of the university's work are divided into internal quality indicators used to manage processes, and indicators obtained after external examination (accreditation, certification, licensing, audit, and other external procedures).

Representatives of practical healthcare are members of collegial councils, work together with specialists from KazNMU on the issues of clinical training of students, the work of clinical sites, and the medical activities of teaching staff in order to improve the quality of the medical service of the Republic of Kazakhstan.

The clinical training facilities encompass various medical care institutions at the regional, city, and national levels, as well as private healthcare institutions.

The mechanism of interaction of KazNMU as a state medical higher educational institution with the healthcare sector is regulated by: the legislation of the Republic of Kazakhstan; contracts and agreements with healthcare authorities; contracts and agreements with healthcare organizations; written requests from authorized government bodies and treatment and prevention organizations.

Clinical departments provide organizational, advisory and educational assistance to practical healthcare in the supervised regions and branches: Almaty, Almaty, Zhetysu and Zhambyl regions. The teaching staff of KazNMU participates in the work of expert commissions to assess the quality of medical services provided, initiated by various organizations of the republic, namely the Committee for Public Health Protection in Almaty and the Ministry of Health of the Republic of Kazakhstan, the National Medical Association, the Forensic Science Center, the Prosecutor's Office, Department of Internal Affairs of Almaty and Almaty region and other authorized government bodies.

However, experts noted that there are not enough professional personnel and relevant departments to implement the educational program "Medical and Preventive Care". The opening of the "Hygiene" Department will enable the teaching of the subject "Hygiene," which includes sections on child and adolescent hygiene, occupational hygiene, radiation hygiene, environmental hygiene, public health hygiene, military hygiene, and occupational medicine. The goal is to train future specialists in the field of sanitary and epidemiological control and supervision across various controlled objects and entities. This will make it possible not only to acquire theoretical knowledge but also to gain practical skills in the application of legislative and regulatory acts of the healthcare system, which are essential for the further professional activities of "Medical and Preventive Care" graduates in planning and organizing preventive measures, taking into account hygiene aspects aimed at ensuring the sanitary-epidemiological well-being of the population. The opening of the "Epidemiology" Department will enable future graduates to gain not only theoretical knowledge but also practical skills in applying legislative and regulatory acts in the field of anti-epidemic measures aimed at sanitary and epidemiological surveillance to prevent the risk of developing various infectious and non-infectious diseases, taking into account the International aspects of the implementation of the "Global public health".

KazNMU operates on the basis of the principle of transparency of the management system and decisions made. This is ensured through the participation of the university teaching staff, employees of structural subdivisions of the academic block, students, representatives of employers, and other interested parties in discussing and making decisions regarding the content of the EP, the organization of the educational process and its evaluation.

The results of the discussion of these issues are documented by the minutes of meetings of the advisory bodies with their subsequent bringing to the attention of all university employees by posting on the KazNMU website, familiarization through orders/instructions on the approval of

internal regulatory documents, with filling out the familiarization sheet and subsequent monitoring of execution by the head of the structural unit.

Information about the university—its mission, vision, development strategy, structure, corporate documents, contacts, and other reference information—is available on the homepage in the drop-down menu section "About the University." Access to all tabs is unrestricted for all users. Additionally, information about the university, including a location map, virtual tour, virtual tour of the Simulation Center, and more, can be found under the "About Us" tab.

The official website of the university occupies leading positions in the international Webometrics ranking, according to which KazNMU in January 2024 took 15th place among 127 universities of the Republic of Kazakhstan. The high result of KazNMU in the Webometrics ranking is an indicator of the relevance, accessibility and effectiveness of the university in the Internet space. At the same time, the university has been constantly developing the capabilities of the site; work is currently underway on factoring and updating the site.

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 evaluate the activities of the university's top management.

***Strengths/ the best practices:***

1. The University provides partial financial independence to Schools in allocating of funds, which is necessary to improve the implemented educational programs.

***EEC recommendations:***

1. The university management should provide for the creation of departments of hygienic disciplines and epidemiology in the organizational structure for the adequate implementation of the EP "Medical and Preventive Care" since 2025-2026 academic year.

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

- ***Strong – 1***
- ***Satisfied – 10***
- ***Suppose improvements – 1***
- ***Unsatisfied – 0***

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

**Standard 1. "Mission and Results"**

According to this standard, no strengths have been identified.

**Standard 2. "Educational program"**

According to this standard, no strengths have been identified.

**Standard 3. "Assessment Policy of students"**

According to this standard, no strengths have been identified.

**Standard 4. "Students"**

According to this standard, no strengths have been identified.

**Standard 5. "Academic staff/teachers"**

According to this standard, no strengths have been identified.

**Standard 6. “Educational Resources”**

The University's Endowment fund facilitates the development of the resource base for the implementation of educational programs, particularly in supporting scientific and clinical research, thus creating conditions for the training of highly qualified personnel.

**Standard 7. “Evaluation of the educational program**

According to this standard, no strengths have been identified.

**Standard 8. “Management and Administration”**

The University provides partial financial independence to Schools in allocating funds necessary to improve the implemented educational programs.

**(VIII) OVERVIEW RECOMMENDATIONS FOR IMPROVING QUALITY****Standard 1. “Mission and Results”**

There are no recommendations for this standard.

**Standard 2. “Educational program”**

1. The Heads of educational programs must ensure compliance of the developed EP “Medicine”, “Pediatrics” and “Dentistry” with the established requirements of the State Educational Standard 2022, regarding the distribution of GED and BD credits before the starting 2024-2025 academic year.

2. The Heads of educational programs should begin work on the formation of a bank of topics for master's projects, taking into account the latest scientific achievements starting from 2024-2025 academic year.

3. Educational program directors must align the educational and methodological complex of disciplines (EMCD) with the integration of modules from the basic and specialized cycles (integrated syllabuses, CMD, exams) before the start of 2024-2025 academic year).

4. The Heads of educational programs should develop regulations on the procedure for conducting experimental research work (ERW) for students in CIME in 2024-2025 academic year.

**Standard 3. “Student Assessment Policy”**

1. The heads of all EP CIME should bring into compliance the procedure for conducting final control of disciplines in accordance with the established requirements of the Rules for organizing the educational process in credit technology of education in organizations of higher and postgraduate education before starting 2024-2025 academic year.

2. The heads of all EP CIME should provide for the possibility of passing all forms of discipline control on a modular basis/in an integrated form since 2024-2025 academic year.

**Standard 4. “Students”**

There are no recommendations for this standard.

**Standard 5. “Academic staff/teachers”**

There are no recommendations for this standard.

**Standard 6. “Educational Resources”**

1. The university management is responsible for ensuring the creation of a safe learning environment for the implementation of inclusive education.

**Standard 7. “Evaluation of the educational program”**

There are no recommendations for this standard.

**Standard 8. “Management and Administration”**

1. The university management should include in the organizational structure of the department of hygienic disciplines and epidemiology for the adequate implementation of the EP “Medical and preventive care” since 2025-2026 academic year.

**(IX) OVERVIEW OF RECOMMENDATIONS FOR THE DEVELOPMENT OF EDUCATIONAL ORGANIZATIONS**

During the work of the EEC, which was in a hybrid format, interviews were conducted with all participants in the educational process and structural subdivisions 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 were 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, and the work of teaching staff and other structures of the educational organization.

**(X) RECOMMENDATION TO THE ACCREDITATION COUNCIL**

The members of the external expert commission came to a unanimous opinion that the educational programs of CIME 6B10116 “Medicine”, 6B10117 “Pediatrics”, 6B10118 “Dentistry”, 6B10119 “Medical and Preventive Care”, implemented by the Non-Profit Joint Stock Company “Asfendiyarov Kazakh National Medical University”, can be accredited for a period of 5 years.

**Appendix 1. THE PARAMETERS OF PRIMARY PROGRAM ACCREDITATION  
of educational programs of CIME 6B10116 “Medicine”, 6B10117 “Pediatrics”, 6B10118  
“Dentistry”, 6B10119 “Medical and preventive care”**

№	№	№ crit.	CRITERIA FOR EVALUATION	Position			
				strong	satisfied	Suppose improvements	unsatisfied
<b>Standard 1 “MISSION AND RESULTS”</b>							
<b>1.1 Defining the Mission</b>							
<b>The Educational organization should:</b>							
1	1	1.1.1.	define the mission of the EP and inform it to stakeholders and the health sector.		+		
2	2	1.1.2.	the mission of the EP should reflect the goals and educational strategy to train a competent specialist at the level of higher education in the field of health care with an appropriate basis for a future career in any field of health care, including all types of practice, administrative medicine and scientific research in health care; capable of performing the role and functions of a specialist in accordance with the established requirements of the healthcare sector; trained for postgraduate study and committed to lifelong learning		+		
3	3	1.1.3.	ensure that the mission includes research advances in the biomedical, clinical, pharmaceutical, behavioral and social sciences, global health aspects and reflects major international health issues.		+		
<b>1.2. Institutional Autonomy and Academic Freedom</b>							
<b>The Educational organization should:</b>							
4	4	1.2.1.	To possess institutional autonomy in order to develop and implement a quality assurance policy, for which the administration and teachers are responsible, particularly concerning the development of the educational program and the allocation of resources necessary for its implementation.		+		
5	5	1.2.2.	ensure academic freedom for staff and students to implement the educational program and use the results of new research to improve the study of specific disciplines/issues without expanding the EP		+		
<b>1.3. Learning outcomes</b>							
<b>The Educational organization should:</b>							
6	6	1.3.1.	define the expected learning outcomes that students should achieve upon completion of the training, which provides the opportunity to achieve at a basic level in relation to knowledge, skills and professional attitudes; an appropriate foundation for a future career in any area of the healthcare industry; future roles in the health sector; subsequent postgraduate training; commitment to lifelong learning; the health needs of society, the needs of the health care system and other aspects of social responsibility of life; community health needs, healthcare system needs and other aspects of social responsibility		+		
7	7	1.3.2.	ensure appropriate behavior of students towards their peers, teachers, medical staff, patients, and their relatives.		+		
8	8	1.3.3.	publish the expected learning outcomes of the EP		+		
9	9	1.3.4.	identify and coordinate the relationship of learning outcomes required upon completion with those required in postgraduate study		+		

10	10	1.3.5.	provide the opportunity for students to participate in research in the relevant field of health care		+		
11	11	1.3.6.	pay attention to intended learning outcomes related to global health		+		
<b>1.4. Participation in the formulation of the mission and learning outcomes</b>							
<b>The Educational organization should:</b>							
12	12	1.4.1.	ensure the participation of key stakeholders in the formulation of the mission and expected learning outcomes				
13	13	1.4.2.	ensure that the stated mission and expected learning outcomes are based on the opinions/suggestions of other stakeholders		+		
				Итого	0	13	0 0
<b>Standard 2. EDUCATIONAL PROGRAM</b>							
<b>2.1. Educational program model and teaching methods</b>							
<b>The Educational organization should:</b>							
14	1	2.1.1.	define the specifications of the educational program, including a statement of intended learning outcomes, a curriculum based on a modular or spiral structure, and the qualification obtained upon completion of the program			+	
15	2	2.1.2.	use teaching and learning methods that encourage, train and support learners to take responsibility for their learning		+		
16	3	2.1.3.	ensure that the EP is implemented in accordance with the principles of equality		+		
17	4	2.1.4.	develop students' abilities for lifelong learning		+		
<b>2.2. Scientific method</b>							
<b>The Educational organization should:</b>							
18	5	2.2.1.	throughout the entire training program, instill in students the principles of scientific methodology, including methods of analytical and critical thinking; research methods in healthcare and evidence-based medicine			+	
19	6	2.2.2.	Provide the opportunity to include the results of modern scientific research in the EP		+		
<b>2.3 Basic Biomedical Sciences</b>							
<b>The Educational organization should:</b>							
20	7	2.3.1.	identify and include in the EP the achievements of basic biomedical sciences to develop in students an understanding of scientific knowledge, concepts and methods that are the basis for the acquisition and practical application of clinical scientific knowledge		+		
21	8	2.3.2.	provide mechanisms for reviewing and updating the EP, taking into account the achievements of biomedical sciences, reflecting scientific, technological and medical and pharmaceutical developments, current and expected needs of society and the healthcare system		+		
<b>2.4. Behavioral and social sciences, medical/pharmaceutical ethics and law</b>							
<b>The Educational organization should:</b>							
22	9	2.4.1.	identify and incorporate into the curriculum the advancements in behavioral sciences, social sciences, medical/pharmaceutical ethics, and jurisprudence		+		
23	10	2.4.2.	provide mechanisms for reviewing and updating the EP, taking into account the achievements of behavioral and social sciences, medical/pharmaceutical ethics and jurisprudence, including modern scientific, technological and medical and pharmaceutical developments, current and expected needs of society and the healthcare system; changing demographic and cultural context		+		



<b>2.5. Clinical/pharmaceutical sciences and skills</b>							
<b>The Educational organization should:</b>							
24	11	2.5.1.	identify and include in the EP the achievements of clinical/pharmaceutical sciences to ensure that students, upon completion of training, have acquired sufficient knowledge, clinical and professional skills to assume appropriate responsibilities in subsequent professional activities		+		
25	12	2.5.2.	ensure that trainees spend a sufficient portion of the program in planned interactions with patients and service users in appropriate clinical/professional settings, gaining experience in health promotion and disease prevention.		+		
26	13	2.5.3.	determine the amount of time allocated for studying the main clinical/specialized disciplines.		+		
27	14	2.5.4.	organize training with appropriate attention to the safety of the learning environment and patients, including supervision of the actions performed by the trainees in clinical/professional settings.		+		
28	15	2.5.5.	provide for the opportunity to change the EP, taking into account the achievements of scientific, technological, medical and pharmaceutical developments, the current and expected needs of society and the healthcare system		+		
29	16	2.5.6.	ensure that each student has early contact with real patients and service users, including gradual involvement in service delivery and assuming responsibility.: - in terms of examination and/or treatment of the patient under supervision in appropriate clinical conditions; - in sanitary and epidemiological surveillance procedures in terms of inspection and/or inspection of an object under supervision, which is carried out in the relevant production bases (sanitary and epidemiological examination centers, territorial departments of sanitary and epidemiological control, including transport, disinfection organizations); - in the aspect of advising patients on the rational use of medications, which is conducted in appropriate professional conditions		+		
30	17	2.5.7.	structure the various components of training in clinical, hygienic skills for monitoring environmental and industrial factors and other production skills in accordance with the specific stage of the training program		+		
<b>2.6. Structure of the educational program, content and duration</b>							
<b>The educational organization must:</b>							
31	18	2.6.1.	describe the content, scope and sequence of disciplines/modules, including the appropriate balance between basic biomedical, behavioral, social and clinical/specialty disciplines		+		
32	19	2.6.2.	provide for horizontal integration of related sciences and disciplines			+	
33	20	2.6.3.	provide vertical integration of clinical/profile sciences with basic biomedical and behavioral and social sciences		+		
34	21	2.6.4.	provide the opportunity for elective content (electives) and determine the balance between the mandatory and elective parts of the EP		+		
35	22	2.6.5.	determine the relationship with complementary medicine, including non-traditional, traditional or alternative practices, occupational medicine, including aspects of the impact of the environment and man-made production loads, social situation on public health		+		
<b>2.7. Program management</b>							
<b>The educational organization must:</b>							

36	23	2.7.1.	define procedures for the development, approval and revision of the EP			+		
37	24	2.7.2.	identify a committee under academic leadership responsible for planning and implementing the EP to ensure achievement of expected learning outcomes			+		
38	25	2.7.3.	ensure the representation of teachers, students, representatives from other interested parties, including representatives from clinical, production bases, graduates of educational institutions, health care professionals involved in the learning process as part of the educational committee responsible for the educational program			+		
39	26	2.7.4.	provide the opportunity to plan and implement innovations in the EP through the committee responsible for the EP			+		
<b>2.8. Connection with medical/pharmaceutical practice and health care system</b>								
<b>The educational organization must:</b>								
40	27	2.8.1.	ensure continuity between the EP and subsequent stages of professional training or practical activity, which the student will begin upon completion of training			+		
41	28	2.8.2.	takes into account the specific conditions in which graduates will have to work and modify the EP accordingly			+		
				Total	0	24	4	0
<b>Standard 3. STUDENT EVALUATION POLICY</b>								
<b>3.1. Assessment methods</b>								
<b>The educational organization must:</b>								
42	1	3.1.1.	define and approve the principles, methods and practices used for assessing students, including the number of examinations, criteria for establishing passing scores, grades and the number of retakes allowed			+		
43	2	3.1.2.	ensure that assessment procedures cover knowledge, skills, attitudes and professional behavior			+		
44	3	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			+		
45	4	3.1.4.	provide for the possibility of providing examination of the process and assessment methods from external experts			+		
46	5	3.1.5.	demonstrate a willingness to ensure that assessment methods and results avoid conflicts of interest and use a system for appealing student assessment results			+		
47	6	3.1.6.	provide for the possibility of ensuring an open assessment procedure and its results, informing students about the criteria and assessment procedures used			+		
48	7	3.1.7.	provide for the possibility of documenting and assessing the reliability and validity of assessment methods, as well as the use of external examiners			+		
<b>3.2. Relationship between assessment and learning</b>								
<b>The educational organization must:</b>								
49	8	3.2.1.	use assessment principles, methods and practices that are compatible with intended RL and teaching and learning methods, ensure the achievement of intended learning outcomes, promote student learning, and provide an appropriate balance of formative and summative assessment to guide learning and make decisions about academic performance			+		
50	9	3.2.2.	provide for the possibility of adjusting the number and nature of examinations to stimulate both knowledge acquisition and integrated learning			+		
51	10	3.2.3.	provide timely, specific, constructive and fair feedback to students based on assessment results			+		

				Total	0	8	2	0
<b>Standard 4. STUDENTS</b>								
<b>4.1. Admission and Selection Policy</b>								
<b>The educational organization must:</b>								
52	1	4.1.1.	have an admissions policy and practice that is based on principles of objectivity and includes a clear statement of the student selection process		+			
53	2	4.1.2.	have a policy and implement practices for the admission of persons with disabilities		+			
54	3	4.1.3.	have a policy and implement the practice of transferring students from other educational organizations, including foreign ones		+			
55	4	4.1.4.	establish a connection between selection and the mission of the educational organization, educational program and the desired quality of graduates; periodically review the admission policy		+			
56	5	4.1.5.	demonstrate readiness to use the system of appealing decisions on admission of students		+			
<b>4.2. Recruitment of students</b>								
<b>The educational organization must:</b>								
57	6	4.2.1.	determine the number of accepted students in accordance with the capabilities of the organization of education at all stages of the educational program		+			
58	7	4.2.2.	demonstrate a willingness to regulate the number and enrollment of students, taking into account the views of stakeholders responsible for planning and developing human resources in the health sector in order to meet the health needs of the population and society as a whole		+			
59	8	4.2.3.	Provide for the possibility of periodically reviewing the number and nature of students accepted in consultation with other interested parties and adjusting in order to meeting the health needs of the population and society as a whole		+			
<b>4.3. Consulting and support for students</b>								
<b>The educational organization must:</b>								
60	9	4.3.1.	Demonstrate the possibilities of using the system of academic counseling for students		+			
61	10	4.3.2.	Demonstrate a commitment to offering students a program of support that addresses social, financial and personal needs by allocating appropriate resources and ensuring confidentiality of advice and support		+			
62	11	4.3.3.	demonstrate readiness to use a feedback system with students to assess conditions and organize the educational process		+			
63	12	4.3.4.	demonstrate readiness to offer students documents confirming the qualifications obtained (diploma) and a diploma supplement (transcript)		+			
64	13	4.3.5.	provide the opportunity to take into account the needs of different groups of students and provide the opportunity to form an individual educational trajectory		+			
65	14	4.3.6.	demonstrate a willingness to provide academic counseling, which is based on monitoring the student's progress and includes issues of professional guidance and career planning		+			
<b>4.4. Representation of students</b>								
<b>The educational organization must:</b>								
66	15	4.4.1.	have a policy and implement practices for student representation and appropriate participation in the definition of mission, development, management and evaluation of the educational program and other issues related to students		+			

67	16	4.4.2.	provide the opportunity to encourage and provide assistance and support to student activities and student organizations		+		
Total				0	16	0	0
<b>Standard 5. ACADEMIC STAFF/TEACHERS</b>							
<b>5.1. Recruitment and selection policy</b>							
<b>The educational organization must develop and implement a personnel selection and recruitment policy that:</b>							
68	1	5.1.1.	determines their category, responsibility and balance of academic staff/teachers of basic biomedical sciences, behavioral and social sciences and medical/pharmaceutical sciences for the adequate implementation of the EP, including the proper balance between medical, non-medical, pharmaceutical, full-time and part-time teachers, as well as the balance between academic and non-academic staff		+		
69	2	5.1.2.	takes into account the criteria of scientific, educational and clinical achievements, including the relationship between teaching, research activities and “service” functions		+		
70	3	5.1.3.	defines and monitors the responsibilities of academic staff/faculty in basic biomedical sciences, behavioral and social sciences and clinical, hygiene, pharmaceutical sciences.		+		
71	4	5.1.4.	provides for the possibility in the selection and recruitment policy to take into account such criteria and features as the attitude to the mission and economic opportunities of the educational organization, as well as significant features of the region		+		
<b>5.2. Policy of activity and personnel development</b>							
<b>The educational organization must develop and implement a personnel performance and development policy that is aimed at:</b>							
72	5	5.2.1.	balancing opportunities between teaching, research and service roles, ensuring recognition of meritorious academic work with due emphasis on teaching, research and professional qualifications		+		
73	6	5.2.2.	ensuring sufficient knowledge by individual employees of the entire educational program, as well as training and professional development of teachers, their development and evaluation		+		
74	7	5.2.3.	the ability to take into account the teacher-student ratio depending on the various components of the educational program		+		
75	8	5.2.4.	staff career growth		+		
Итого				0	8	0	0
<b>Standard 6. EDUCATIONAL RESOURCES</b>							
<b>6.1. Material and technical base</b>							
<b>The educational organization must:</b>							
76	1	6.1.1.	demonstrate readiness to provide sufficient material and technical base to ensure adequate implementation of the educational program, as well as create a safe learning environment for staff, students, patients and their relatives			+	
77	2	6.1.2.	demonstrate a commitment to improving the learning environment by regularly updating and expanding facilities to meet changes in educational practice	+			
<b>6.2. Resources for practical training</b>							
<b>The educational organization must:</b>							
78	3	6.2.1.	Demonstrate a commitment to providing the necessary resources to provide trainees with appropriate		+		

			clinical/practical experiences, including: <ul style="list-style-type: none"> <li>• quality and categories of patients/consumers of services</li> <li>• number and categories of clinical/manufacturing bases</li> <li>• observation of students' practice</li> </ul>				
79	4	6.2.2.	demonstrate a willingness to evaluate, adapt, and improve clinical/practice training environments to meet community needs		+		
<b>6.3. Information Technology</b>							
<b>The educational organization must:</b>							
80	5	6.3.1.	develop and implement policies aimed at the effective and ethical use and evaluation of relevant information and communication technologies		+		
81	6	6.3.2.	provide for the possibility of providing access to websites or other electronic media		+		
82	7	6.3.3.	provide the opportunity for teachers and students to access relevant patient data and health information systems using existing and relevant new information and communication technologies for independent learning, access to information, patient databases and work with health information systems		+		
<b>6.4. Medical/Pharmaceutical Research and Scientific Advances</b>							
<b>The educational organization must:</b>							
83	8	6.4.1.	demonstrate a willingness to use research activities and scientific achievements in the field of medicine and pharmacy as the basis for the educational program		+		
84	9	6.4.2.	formulate and implement policies that strengthen the relationship between research and education; provide information on the research base and priority areas in the field of scientific research of educational organizations		+		
85	10	6.4.3.	provide for the relationship between research and education, is taken into account in teaching, encourages and prepares students to participate in health research		+		
<b>6.5. Expertise in Education</b>							
<b>The educational organization must:</b>							
86	11	6.5.1.	have a policy and introduce into practice access to educational expertise of the processes, practices and problems of medical and pharmaceutical education with the involvement of specialists, educational psychologists, sociologists at university, interuniversity and international levels; develop and implement an examination policy in the development, implementation and evaluation of an educational program, development of teaching and assessment methods		+		
87	12	6.5.2.	demonstrate a willingness to provide 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 educational research		+		
<b>6.6. Exchange in Education</b>							
<b>The educational organization must:</b>							
88	13	6.6.1.	have a policy and implement practices of national and international cooperation with other educational organizations, including the mobility of staff and students, as well as the transfer of educational credits		+		
89	14	6.6.2.	demonstrate readiness to facilitate the participation of teachers and students in academic mobility programs in the country and abroad and allocate appropriate resources for these purposes		+		
Total				1	12	1	0
<b>Standard 7. EVALUATION OF THE EDUCATIONAL PROGRAM</b>							
<b>7.1. Program monitoring and evaluation mechanisms</b>							

<b>The educational organization must:</b>							
90	1	7.1.1.	have regulated procedures for monitoring, periodic evaluation of the educational program and learning outcomes, progress and academic performance of students		+		
91	2	7.1.2.	develop and demonstrate readiness to use an educational program evaluation mechanism that examines the program, its main components, student performance, identifies and solves problems, and ensures that the relevant evaluation results influence the EP		+		
92	3	7.1.3.	demonstrate a willingness to periodically evaluate the program, comprehensively considering the educational process, components of the educational program, expected learning outcomes and social responsibility		+		
<b>7.2. Feedback from teacher and student</b>							
<b>The educational organization must:</b>							
93	4	7.2.1.	provide for the systematic conduct, analysis and response to feedback from teachers and students		+		
94	5	7.2.2.	demonstrate a willingness to use feedback results to improve the educational program		+		
<b>7.3. Academic achievements of students</b>							
<b>The educational organization must:</b>							
95	6	7.3.1.	demonstrate a willingness to analyze the performance of students and graduates in accordance with the mission and expected learning outcomes, training program and resource availability		+		
96	7	7.3.2.	demonstrate readiness to analyze the performance of students and graduates, taking into account the conditions of their previous education, the level of preparation when entering a university; use the results of the analysis to interact with the structural unit responsible for selecting students, developing an educational program, and counseling students		+		
<b>7.4. Stakeholder Engagement</b>							
<b>The educational organization must:</b>							
97	8	7.4.1.	demonstrate a willingness to involve key stakeholders in monitoring and evaluating the educational program		+		
98	9	7.4.2.	demonstrate a willingness to provide stakeholders with access to the program evaluation results, collect and study feedback from them on the practical activities of graduates and feedback on the educational program		+		
Total				0	9	0	0
<b>Standard 8. MANAGEMENT AND ADMINISTRATION</b>							
<b>8.1. Management</b>							
<b>The educational organization must:</b>							
99	1	8.1.1.	identify structural units and their functions, including relationships within the university		+		
100	2	8.1.2.	determine committees in the management structure, their responsibilities, composition, reflecting the representation of the main and other stakeholders, ensuring transparency of the work of management bodies and the decisions they make		+		
<b>8.2. Academic Leadership</b>							
<b>The educational organization must:</b>							
101	3	8.2.1.	describe the responsibilities of academic leadership in defining and managing the educational program		+		
102	4	8.2.2.	demonstrate a willingness to periodically evaluate academic leadership in relation to the achievement of its mission and expected learning outcomes		+		
<b>8.3. Training budget and resource allocation</b>							
<b>The educational organization must:</b>							
103	5	8.3.1.	have a clear distribution of responsibility and authority to		+		

			provide resources for the educational program, including a targeted training budget					
104	6	8.3.2.	demonstrate readiness to allocate the resources necessary for the implementation of the EP and distribute educational resources in accordance with their needs	+				
105	7	8.3.3.	provide the opportunity to independently distribute resources, including remuneration for teachers who properly achieve the planned learning outcomes; when allocating resources, take into account scientific advances in the field of health care and public health problems and their needs.		+			
<b>8.4. Administrative staff and management</b>								
<b>The educational organization must:</b>								
106	8	8.4.1.	demonstrate a willingness to have administrative and professional staff to implement the educational program and related activities, ensure proper management and allocation of resources			+		
107	9	8.4.2.	demonstrate readiness to ensure the participation of all departments of the educational organization in the processes and procedures of the internal quality assurance system		+			
<b>8.5. Interaction with the health sector</b>								
<b>The educational organization must:</b>								
108	10	8.5.1.	demonstrate a willingness to engage constructively with the healthcare system and health-related sectors of society and government, including foreign ones		+			
109	11	8.5.2.	demonstrate a willingness to formalize collaboration, including the involvement of staff and trainees, with partners in the health sector		+			
<b>8.6. Public information</b>								
<b>The educational organization must:</b>								
110	12	8.6.1.	provide for regular publication on the official website of the educational organization and in the media complete and reliable information about the educational program and its achievements		+			
				Total	1	10	1	0
<b>TOTAL OVERALL</b>					2	100	8	0