



«АККРЕДИТЕУ ЖӘНЕ РЕЙТИНГТІҢ
ТӘУЕЛСІЗ АГЕНТТІГІ» КЕМ

НУ «НЕЗАВИСИМОЕ АГЕНТСТВО
АККРЕДИТАЦИИ И РЕЙТИНГА»

INDEPENDENT AGENCY FOR
ACCREDITATION AND RATING

Report

of External expert commission conclusion
on addressing the standards requirements for program accreditation
of educational program evaluation
«7M10103 – Global health & healthcare»
NPJSC Asfendiyarov Kazakh National Medical University
19/02/2022 – 21/04/2022

INTERNATIONAL AGENCY FOR ACCREDITATION & RATING
External expertise commission

To IAAR Accreditation Council



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Almaty

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(I) LIST OF SYMBOLS AND ABBREVIATIONS

AIS	Automated information systems
AC	Academic Committee
WHO	World Health Organization
UHC	Universal health coverage
HEI	Higher education institution
FAC	Final attestation commission
SOSE	State obligatory standard of education
FE	Final examination
LE	Letter of instruction
ISP	Individual study program
KNMU	Kazakh National Medical University
CCSES MES	Committee for Control in the Sphere of Education and Science of the
RK	Ministry of Education and Science of the Republic of Kazakhstan
CED	Catalog of elective disciplines
CEP	Committee for Educational Programs
QAC	Quality Assurance Commission
LEC	Local ethical commission
MH RK	Ministry of Health of the Republic of Kazakhstan
MES RK	Ministry of Education and Science of the Republic of Kazakhstan
RIFAM	Atchabarov Research Institute of Fundamental and Applied Medicine
SPD	Scientific and pedagogical direction
RW	Research work
PH	Public health
EP	Educational program
TS	Teaching staff
WC	Working Curriculum
Mass media	Mass media
EDMS	Electronic document management system
IWMS	Independent work of a master student
IWMST	Independent work of a master student with a teacher
MC	Model curricula
SPH	Dosmukhamedov School of Public Health
ECTS	<u>European Credits Transfer System</u>
GPA	Grade Point Average
PhD	Philosophy Doctor
SWOT-analysis	Strengths (сильные стороны), Weaknesses (слабые стороны), Opportunities (возможности) и Threats (угрозы)
GUGH	Consortium of Universities in Global Health
EEC	External expert commission

(II) INTRODUCTION

The assessment of the educational program "7M10103 - Global Health and Healthcare" of NPJSC "Asfendiyarov Kazakh National Medical University" took place from April 19 to April 21, 2022 in accordance with the order of the Independent Agency for Accreditation and Rating (IAAR) 29-22-OD dated 02/07/2022. It assessed the compliance with the requirements of the standards of program accreditation of basic medical and pharmaceutical education abroad (based on WFME / AMSE standards).

The report of the external expert commission contains an assessment of the compliance of activities within the framework of specialized accreditation with the IAAR criteria, recommendations of the EEC for further improving the parameters of the specialized profile of the educational program in the specialty "7M10103 - Global Health and Public Health".

Members of EEC:

IAAR Expert, chair – Dmitry D. Redko, candidate of medical sciences, ass professor, Gomel State Medical University, Belarus *online*;

IAAR Expert – Akmaral K. Zhumalina, doctor of medical sciences профессор NPJSC West Kazakhstan Medical University (Aktobe, Republic of Kazakhstan);

IAAR Expert – Aigun J. Babayeva, Azerbaijan Medical University (Baku, Azerbaijan) *online*;

IAAR Expert – Yerlan K. Tursymbayev, PhD, NPJSC Astana Medical University (Nur-Sultan, Republic of Kazakhstan);

IAAR Expert, employer – Salima K. Raisova, Medical treatment centre «Dr.Raisova clinic» (Almaty, Republic of Kazakhstan);

IAAR Expert, student – Makpal A. Seitbayeva NPJSC Karagandy Medical University (Karagandy, Republic of Kazakhstan) *online*;

IAAR Coordinator – Alissa D. Jakenova, candidate of medical sciences, Head of Agency Medical Projects (Nur-Sultan, Republic of Kazakhstan).

(III) INTRODUCTION OF ORGANIZATION OF EDUCATION

NPJSC "Asfendiyarov Kazakh National Medical University" (KNMU) was opened by the Decree of the Council of People's Commissars of the Russian Soviet Federative Social Republic (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 first rector Sanjar D. Asfendiyarov was appointed, later the university was named after him (Resolution of the Council of Ministers of the Kazakh SSR No. 17 of January 11, 1989).

In April 1981, the university was awarded the Order of the Red Banner of Labor for recognition of merits in the development of public health. By the Decree of the President of the Republic of Kazakhstan (RK) Nazarbayev N.A. No. 648 dated July 5, 2001 "On granting a special status to certain state higher educational institutions" the university received the status of the Kazakh National Medical University.

Educational activities in KNMU 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 No. 319 "On Education" and other regulatory documents.

Since 2006, KNMU has begun training bachelors, masters, PhD doctors based on the principles of the trinity (education, science, practice). In 2011, being a signatory of the Great Charter of Universities, it made the transition to a credit technology for undergraduate education in accordance with the principles of the Bologna process. The transition supported by the Ministry of Health of the Republic of Kazakhstan and the Ministry of Education and Science of the Republic of Kazakhstan.

The Dosmukhamedov School of Public Health (SPH) is a structural subdivision of KNMU. The faculty was founded in 1943 on the basis of the Almaty Medical Institute as a sanitary-hygienic faculty by order of the USSR NKZ No. 234 dated May 14, 1943. From 1964 to 1985 he was a member of the Karaganda Medical Institute. Since 1985, it has again become part of the Almaty Medical University. In 2004, by the decision of the Academic Council of the faculty (minutes No. 2 dated 10/12/2004), on the basis of renaming the specialty "hygiene and epidemiology" to "medical and preventive science", the faculty was renamed into the medical and preventive faculty. On September 12, 2017, by order No. 496, it was reorganized into the School of Public Health named after Kh. Dosmukhamedov.

The organizational structure of the School represents a vertical of responsibility among the staff of the Dean's Office / School and supervised departments. The dean's office is represented by: the dean, two vice-deans, two chief specialists and a secretary. The office of the dean's office interacts with the collegiate bodies of the School and supervised departments, if necessary, with other structures of the University.

Currently, the teaching staff of the departments of the School consists of 102 employees, among them 1 is an academician, 7 are doctors of science, 25 are candidates of science, 10 are PhD.

The school supervises seven educational programs at the undergraduate level and master's and doctoral programs in the specialties of health and sd, respectively. All educational programs of the School regularly undergo specialized accreditation, which allows the University to participate in the distribution of state orders.

In addition to academic activities, the teachers of the School carry out scientific activities. At the beginning of the 2020-2021 academic year, the degree of teaching staff was 52% (of which 17% have the Hirsch Index and 13% have citations). Additionally, teaching staff students participate in competitions of scientific and technical projects (STP) funded by the Ministry of Health (MH RK) and the Ministry of Education and Science (MES RK) of the Republic of Kazakhstan, including international organizations.

Presently, the SH participates 5 research projects, of which: four projects of the Erasmus + program, one project of the Ministry of Education and Science of the Republic of Kazakhstan, and one conditional project jointly with the University of Omaha USA . In the 2019-2020, 152 articles

were published including 6 in international journals with an impact factor, 101 in the journals of the KKSON MES RK and 45 as collections of scientific events); 10 materials were published (including 2 monographs, 1 electronic textbook, 3 manuals, 2 guidelines, 2 manuals and 4 patents); in addition, students of the School published 43 articles. Publication activity is one of the main indicators of the results of scientific activity.

As part of the implementation of the plan of educational work, the staff of the SH, teaching staff and students regularly conduct various thematic social and educational events. In the past academic year, eight events were held at the University level, 12 events at the School level and 47 events at the department level.

In addition, SH provides exchange experience and improvement of the pedagogical qualifications of the teaching staff. It comes as academic mobility programs regularly implemented in the countries of near and far abroad; or by inviting foreign experts as visiting professors; academic mobility of students is carried out within the country between medical universities and partners of the University within the budget of the SH.

(IV) INFORMATION ABOUT PREVIOUS PROCEDURE OF ACCREDITATION

Accreditation of educational programs was carried out in accordance with the order of the Independent Agency for Accreditation and Rating IAAR in NJSC Asfendiyarov Kazakh National Medical University, an external expert commission assessed the compliance of educational activities with IAAR accreditation standards direction, primary accreditation) from 28 to 30 April 2021 in Almaty.

External expert commission for specialized and primary specialized accreditation of NJSC "Asfendiyarov Kazakh National Medical University" in the following composition:

1. **Chair of commission** – Elena A. Kiselyeva doctor of medical sciences, professor, Novokuznetsk State Institute of Medical doctors improvement – subsidiary of Russian Medical Academy of continuous professional education Ministry of Health of Russian Federation (Novokuznetsk, Russia);
2. **International expert** – Ли Чон Ку, candidate of economic sciences, Yanka Kupala Grodno State University к.э.н., (Grodno, Belarus);
3. **International expert** – Anas A. Gilmanov, doctor of medical sciences, professor, FSBEI of HE «Kazan State Medical University» Ministry of Health Russia (Kazan, Russia);
4. **Expert** – Svetlana K. Muratbekova, doctor of medical sciences, professor, NPJSC «Walikhanov Kokshetau University» (Kokshetau);
5. **Expert** – Marat G. Kalishev, candidate of medical sciences, ass professor, NPJSC Karagandy Medical University (Karagandy);
6. **Expert** – Dinara A. Ospanova, doctor of medical sciences, ass professor, JSC Kazakh Medical University of continuous education (Almaty);
7. **Expert** – Aizat A. Seidakhmetova, candidate of medical sciences, ass professor, JSC «South Kazakhstan Madical Academy» (Shymkent);
8. **Expert**– Asiya K. Turgambayeva, candidate of medical sciences, ass professor, NPJSC Astana Medical University (Nur-Sultan);
9. **Expert**– Zaituna A. Khismetova, candidate of medical sciences, ass professor, NPJSC Semey Medical University (Semey);
10. **Employer** – Salima K. Raisova, Medical treatment centre «Rada» (Almaty);
11. **Employer** – Abilseit Zh. Kulbayev, Medical treatment centre «Shipa Clinic» (Almaty);
12. **Student**– Madina M. Usenova, NPJSC Karagandy Medical University (Karagandy);
13. **Agency Coodinator** – Aigerim U. Aimurziyeva, Head of Agency Medical Projects (Nur-Sultan).

Based on the results of the primary specialized accreditation, the IAAR external expert

commission made conclusions, recommendations and identified areas for improvement for each standard:

For Standard 1 «Mission and learning outcomes»

1) To enlarge the Mission for specified EP and set up a plan for the further development of the EP by the next academic year, by market demand, together with using the latest IT solutions in scientific research. Provide public access (availability of information in the media, on the website of the university, social networks) to information about the changes: Mission, goals of NPJSC "KazNMU", decisions taken, strategic and other documents.

2) The mission should reflect in detail the elements of obtained at least general competencies, the essence of the EP, that requires the correction of the EP Mission. Bring it to all whom it may concern (teaching staff, employers, Master students).

3) Include information in the disciplines: how does the cultural context affect the perception of health and disease, tk. it is one of the main elements of Global Health.

4) The purpose of the OP "...to apply public health principles in different countries" is not entirely clear. Should be corrected.

5) Stakeholders should be involved in the development of disciplines / competencies (participation in Committees or Commissions).

6) Master students should be involved in the development of disciplines / competencies (participation in Committees or Commissions).

7) The learning outcomes need to be reviewed and amended, taking into account the purpose and content of all the disciplines presented. Considering that in international practice the name of the direction Global health is used without the name of health care, it is also recommended to revise the name of the EP. Accordingly, include in the EP up to 50% of the disciplines (excluding OOD) related specifically to Global Health, since healthcare is based on an interdisciplinary approach in this area and is the foundation of the direction.

For Standard 2 «Research Environment and educational resources»

1) To extend the access to information support within the framework of distance learning for future Master students, namely access to various educational platforms for the development of scientific projects, respectively, and their participation (given that this program is a scientific and pedagogical direction).

2) The teaching staff must have relevant publications on the OP, that needs to be improved (only the second one has). The profile of academic staff for this EP should be observed, and the number of teachers should be increased accordingly.

3) It is necessary to clearly define the award of a degree (academic or qualifying), given that this option is not acceptable.

For Standard 3 «Policy and criteria of admission»

1) To strengthen career guidance work.

2) To Develop mechanisms that lead to the adaptation of the admission policy for Master students, taking into account changing expectations and circumstances, the needs for human resources (the result of a survey on the needs of these specialists in the field of Global Health was reflected in the report, but it was not possible to see confirmation during admission/interview).

3) Admission procedure should involve the reviewing of applier's material / topic worked out in advance by them or work experience in this area.

For Standard 4 «The program of Master course»

1) Employers and Master students in this EP should participate in Faculty Council and CEP work, and reanalyze the Mission of the EP, the learning outcomes. It could lead to the adjustment of the elements of the program and their relationship in accordance with achievements in the medical sciences, with changes in the demographic situation and health status /morbidity patterns of the population and socio-economic, cultural characteristics.

2) Develop a Monitoring Plan for this EP and include measures to evaluate the program with the involvement of teaching staff, Master students, administrative and managerial personnel, and employers.

3) The amendments made to the EP before the beginning of the next academic year must be published on the university website.

4) Use methodological approaches for the disciplines taught, as well as include / expand the list of disciplines (non-elective) on Global Health (for example, there is a “Research Methodology in Health”, but there is no “Global Health Research Methodology”, given that the fact that they are not the same.)

For Standard 6 «Management and administration»

1. Academic mobility / internships should be developed and extended geographically widely.

2. To publish on the website (by the new academic year), in the CMD section, information, where the incoming undergraduate will be familiarized with the subsequent stages of professional training, career prospects after the completion of the EP. A future undergraduate, familiarized in advance, will be able, if possible, to plan his further labor activity.

For Standard 7 «Continuous improvement»

1. To achieve the learning outcomes of Master students, an algorithm for assessing the EP and the progress of students by the end of this year (while reviewing and editing competencies) should be developed.

2. Develop a monitoring plan for the further implementation of the OP until the end of this year.

3. Update the mission of the EP until the next academic year, taking into account the Mission, goals, content of disciplines and their sequence (with the replacement and increase of disciplines directly on Global Health).

(V) REPORTING THE EEC VISIT

The work of the EEC was carried out on the basis of the Program of the visit of the expert commission for the international program accreditation of educational programs: "Pediatrics", "Global health and healthcare" (master's degree), "Medical and preventive business" (master's degree) from April 19 to April 21, 2022.

To obtain objective information about the quality of educational programs and clarify the content of self-assessment reports, meetings were held with the rector, vice-rectors, deans of faculties, heads of departments and units, teachers, graduates, employers and students. As part of the visual inspection, the EEC visited educational bases, practice bases, an anatomical museum, a simulation center, a library.

Accreditation format – hybrid

The description of the visit by days, objects, meetings with target groups is described in the Program of the visit presented in Appendix 2 of this report.

The EEC visit took place without deviations in time.

On the first day of the visit, there was a meeting with vice-rectors, structural divisions, deans and heads of the EP (survey was held in parallel) - during the interview, the EEC asked questions on the topic of standards. The teaching staff presented textbooks and monographs, as well as methodological materials that were developed by the staff of the departments.

On the second day - interviews were held with focus groups - students and a survey was conducted.

During the visit, the EEC got acquainted with the documents of the department, educational literature, visual aids, examined the educational and lecture rooms, conducted an interview within the framework of the standards.

During the visit, a simulation center was presented for visiting the EEC, where mannequins, simulators, computer programs with a set of situational tasks were presented. The anatomical museum demonstrated exhibits that are used as teaching aids in anatomy classes and have not only

historical, but also cultural value. A visit was made to the library, there was an acquaintance with the book fund, equipment for the digitalization of books was demonstrated.

In the afternoon, interviews with graduates and employers took place remotely.

On the third day, the EEC discussed the parameters and voted on the terms of accreditation, developed recommendations. Visit impressions discussed and views exchanged took place.

The EEC visit ended with a meeting with the rector, vice-rectors, structural divisions and deans, where preliminary recommendations were announced.

(VI) (VI) SPECIALIZED ACCREDITATION STANDARDS COMPLIENCE

6.1. Standard «Mission and learning outcomes»

Evidence part

The mission and vision of KazNMU reflect social responsibility, understanding of the purpose and significance of the university in the preparation of competent healthcare professionals and reflects the educational strategy in accordance with the Strategic Development Plan of Kazakhstan until 2025 as part of the Kazakhstan 2050 strategy.

The mission and vision are widely accepted and fully supported by the administration staff, teaching staff, and students. Mission and vision information is available to all stakeholders (<https://kaznmu.kz/rus/ob-universitete/missiya-i-videnie/>).

The mission of the educational program (EP) in the specialty "7M10103 - Global health and healthcare" scientific and pedagogical direction ("GH&HC" SRD) is to form human resources - new generation specialists in the field of global health and healthcare (<https://kaznmu.kz/rus/obrazovatelnye-programmy/magistratura/globalnoe-zdorove-i-zdravoohranen/>).

The mission of the EP is aimed at training qualified specialists who are ready to carry out professional activities as a specialist in global health and who are able to work effectively in the field of healthcare in conditions of limited resources; be guided by regulatory and legal aspects related to health at the global level; contribute to the improvement of health outcomes and systems in different countries and regions; evaluate and measure health indicators; to ensure research in the field of global health; navigate the cultural and ethical characteristics of countries in the context of global health. In the field of public health management, countries are interdependent, an example is the situation with the COVID - 19 pandemic.

Learning outcomes demonstrated by Master after graduation of EP "GH&HC" SRD (<https://kaznmu.kz/rus/obrazovatelnye-programmy/magistratura/globalnoe-zdorove-i-zdravoohranen/model-vypusknika-gziz/>), should be assessed with respect of competences developed for professional decision making. To obtain a set of professional, intercultural, communicative competencies, a master student must master the knowledge of a set of basic and specialized disciplines, both their mandatory component and the optional component in full. The graduate's skills are to analyze international health systems and health development programs successfully implemented in other countries. Also, to analyze the impact of globalization on health; to use management methods in professional activities in planning, implementing and evaluating health programs, using the principles of social justice, taking into account human rights in solving global health problems based on modern achievements of science and practice. Additionally, to analyze the economic, social, cultural, gender and environmental determinants of health, including the relationship between disease and poverty; have the skills to compare data on the health status of the population around the world, to value and promote social justice.

Analytical part

The documents reviewed allowed expert of EEC to analyze standard «Mission and learning outcomes» on specialty «7M10103 – Global Health and Healthcare» NJSC Asfendiyarov Kazakh National Medical University found, for the most part, to meet the standard requirements. When

studying activities for compliance with the criteria established in this Standard, it was noted that in KazNMU and in the Dosmukhamedov School of Public Health has a Development Strategy that corresponds to the mission and vision of the university. The administration of the university takes a number of measures to achieve the set goals, monitoring is carried out and improvement measures are taken.

EEC experts testify that the Mission of KazNMU is distributed to all interested parties by means of notification in the media, sending by e-mail to all intra-university departments, teaching staff and students. At the same time, EEC members note that during the conversation with the university staff, teaching staff, students and graduates, the mission and vision of the university were clearly described and explained.

The educational program in the specialty "7M10103 - Global Health and Healthcare" was developed in accordance with the mission and requirements of the state educational standard. The goal is to prepare a competent doctor who will be able to carry out medical practice, organizational and managerial activities and research work, which allows the graduate University in the specialty "Global health and healthcare" to make a choice in favor of one or another direction for their further career growth.

If a graduate chooses to continue his professional activity, after receiving a specialist certificate, he can conduct scientific research during his doctoral studies, prepare and defend a scientific qualification work (a dissertation for the PhD degree).

The available material resources are used with great responsibility, with the aim of worthy implementation of the designated mission and goals of the educational program in the specialty "7M10103 - Global Health and Public Health".

EEC experts note that an important role in KazNMU is played by the formation of proper behavior among students in relation to their colleagues, teachers, university management and the population. At the same time, EEC members noted clear understanding of mission of the EP among participants of the EP "7M10103 – Global Health and Health Care" (students and employers, etc.). Everyone was able to give clear examples of how they took part in the formation of the mission and vision of the university and the educational program. During the interviews, EEC experts were able to obtain complete and comprehensive information about what kind of activities were carried out at the university to form the mission and evaluate the expected final results of the EP in the specialty "7M10103 - Global Health and Healthcare".

Strengths / Best practice

No strengths for this standard

EEC recommendations

No for this standard

Criteria summary by EEC: strong – 0, satisfactory – 14, improvement needed – 0, unsatisfactory – 0.

6.2. Standard «Research environment and educational resources»

Evidence part

Currently, the research activities of KazNMU are carried out by students in accordance with the Development Program of the KNMU and the strategic directions of KNMU (Appendix 2.2, <https://science.kaznmu.kz/wp-content/uploads/2015/06/strategicheskie-napravleniya-nao-kaznmu.pdf>).

The staff of the department provided: an analytical review "Global health and healthcare"; methodological recommendations "Technologies for assessing the effectiveness and analyzing the impact of health systems"; monograph "Disease management programs"; guidelines "Management of behavioral risk factors for arterial hypertension". Also department staff actively applies for grant funding and participate in the implementation of projects together with Master students in the specialty "GH&H" SED (Appendix 2.3):

- "Development of technology for assessing the effectiveness of the health care system in the intersectoral context and its impact in the context of the regions" (IRN AP09058136, MES RK for 2021-2023 A. Imamatdinova is conducting a set of material for calculating preventable mortality from diseases of the circulatory system (Appendix 2.3.1);

- "Tracking Energy Diversification, Pollution, and Birth Outcomes in Kazakhstan" (within the framework of the American Councils program for the development of partnerships between universities in the USA and Kazakhstan) Egeubaev T (Appendix 2.3.2).

The Department of "Health Policy and Management" is responsible for the implementation of the OP "GH&H". To date, according to the staffing table, the ratio of scientific degree of the department is 62% (Appendix 2.4).

[\(https://publichealth.kaznm.kz/category/%d0%ba%d0%b0%d1%84%d0%b5%d0%b4%d1%80%d0%b0-%d1%8d%d0%ba%d0%be%d0%bd%d0%be%d0%bc%d0%b8%d0%ba%d0%b8-%d0%b7%d0%b4%d1%80%d0%b0%d0%b2%d0%be%d0%be%d1%85%d1%80%d0%b0%d0%bd%d0%b5%d0%bd%d0%b8%d1%8f-%d0%b8/\)](https://publichealth.kaznm.kz/category/%d0%ba%d0%b0%d1%84%d0%b5%d0%b4%d1%80%d0%b0-%d1%8d%d0%ba%d0%be%d0%bd%d0%be%d0%bc%d0%b8%d0%ba%d0%b8-%d0%b7%d0%b4%d1%80%d0%b0%d0%b2%d0%be%d0%be%d1%85%d1%80%d0%b0%d0%bd%d0%b5%d0%bd%d0%b8%d1%8f-%d0%b8/).

The teaching staff of the department has a number of scientific papers (Appendix 2.5), the Hirsch index for employees is from 1 to 4 (Appendix 2.6, <https://science.kaznm.kz/ru-rejting-bd-scopus/>), there are certificates of participation in conferences and trainings on global health and health issues (Appendix 2.7).

KNMU is the first Kazakhstani organization to receive a grant from the US National Institutes of Health as a main partner, and also, KNMU received Web of Science and Scopus certificates as the university with the largest number of article citations in Kazakhstan. Employees of the department, together with students, participate in the implementation of the following scientific projects (Appendix 2.3):

- "Development of technology for assessing the effectiveness of the health care system in the intersectoral context and its impact in the context of the regions" (IRN AP09058136 MES RK -2021-2023). In this project, the head department, undergraduate EP "GZiZ" NPN Imamatdinova A., Yolanda Pena-Boquete (Appendix 2.3.1).

The implementation of the Tracking Energy Diversification, Pollution, and Birth Outcomes in Kazakhstan Project funded by the Embassy of the United States of America in Kazakhstan has begun. The main coordinator of the Project is Hyunok Choi (Lehigh University, USA), coordinator from KazNMU Kosherbayeva L. Kumar A, associate professor of the Department of Health Policy and Management, and a 1-year doctoral student in the specialty "Public Health" Sabyrdilda Zh. » NPN Egeubaev T (Appendix 2.3.2).

- "SPRING 609528-EPP-1-2019-1-GE-EPPKA2-CBHE-JP" ERASMUS + (Appendix 2.3.3)

- Licence, Master professionnels en formation ouverte et à distance pour le management stratégique de la qualité et la gestion des risques en santé en Russie, au Kazakhstan et en Azerbaïdjan-LMQS ERASMUS (Project N° 618860-EPP-1-2020-1-EL-EPPKA2-CBHE-JP) (Appendix 2.3.4).

- Master students (course Nursing Science) supervised by professors of department (F. Abikulova, A. Kumar, L. Seiduanova) take part in joint project with Lehigh University, USA. The aim of the Project is to study the awareness of patients with chronic diseases about the impact of air pollution on their health, as well as adherence to preventive measures. The main coordinator is Dinissa Duvanova Associate Professor of International Relations Lehigh University, USA, coordinator from KNMU L. Kosherbayeva (Appendix 2.3.5)

- The psychological impact of COVID-19 on people employed in small and medium-sized businesses in the health care system in urban and rural areas (IRN AP09562843 MES RK -2021) (Appendix 2.3.6).

Auditory fund. Lecture halls are equipped with the necessary technical support - stationary multimedia projectors and are designed for 2040 seats. To develop a unified corporate culture among students and employees of KNMU, eight lecture halls were named after prominent people whose professional life was closely connected with the university. Training rooms are designed for 6 to 10 seats and are located in the buildings of clinical bases. The classrooms are fully equipped for

seminars/practical classes, they have the necessary cabinet furniture, teaching equipment, manuals and a computer/laptop.

Library. KNMU has a scientific library. The main task of the library is a complete and efficient library and information and bibliographic service for students, Master students, doctoral students, researchers, teachers, engineering and technical personnel and other categories of university readers in accordance with information requests based on wide access to any funds. By 2014, the area of the library has increased and is 6386 sq. m. m, including the area of the library premises - 5396 sq.m., book storage area - 902 sq.m. The library consists of 5 departments: the 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 for 54 seats (2nd floor) and an electronic reading room (4th floor) for 42 seats.

The Scientific Library has: 89 computers, 1 laptop, 2 video projectors, 3 screens for various events, copying and copying equipment - 1 semi-automatic scanner, 9 printers, IP-phone with call forwarding.

Reader Service Department:

- - season tickets - 5
- - reading rooms - 4
- - Reading room at hostel No. 8.

The total number of seats in the reading rooms is 383.

The educational process for Master students is associated with scientific bases and KazNMU provides links to the following databases located in the Sirius program:

- Web of Science - webofknowledge.com
- Scopus - scopus.com
- Cochrane Collection Plus
- eBooks Clinical Collection
- Medicine database Hstalks
- Database «Эпиграф»
- Database CINAHL
- Open University of Kazakhstan – OPENU.KZ
- Aknurpress – digital library

The staff of the department through the Bandicam program created a video in the state and Russian languages on the topic: "Electronic resources of the Scientific Library of KazNMU". The video provides information on how to use electronic resources in Sirius in the "Library - Electronic Resources" module.

Analytical part

During the visit, the EEC received confirmation of the narrative of the self-assessment report.

In interviews with focus groups, the EEC received information about the great work of the teaching staff in the field of creating their own textbooks and teaching aids, extensive research activities and publication activity.

Also during the interview, it was possible to identify sufficient awareness of the teaching staff about modern teaching methods. The staff of the department demonstrated their knowledge of modern interactive teaching methods.

During the interview, the EEC revealed that the university creates the conditions necessary for students to effectively master the chosen educational program in accordance with their interests and needs, providing this activity with appropriate resources (library, consulting, information).

During the EEC visit, it was found that the existing activities related to the practice abroad are carried out in an online format, while the number of students' trips under the GPL was not carried out due to the pandemic. There is a need for mobility abroad in full-time format due to the advantage of full-time practice over part-time (online). When studying the documents, it was revealed that the

number of concluded memorandums that contribute to the passage of Master students on the SPZ of practice in foreign universities and institutes is not enough. After reviewing the documents, it was revealed that there were no memorandums on dual diploma educational programs on the SP that would contribute to the development of the theoretical and practical parts of the EP.

The issues of encouraging teaching staff for their activities studied by the commission founded that over the past two years, incentive payments to teaching staff for their scientific, educational and other activities have not been sufficiently carried out. During the stay of the commission, interviews were conducted with teaching staff and masters, during which it was revealed that the number of participants in international conferences and courses is low, and there is a need for financial support for both teaching staff and masters in their activities.

During the study of the university website, it was found that the information is not fully reflected on it, and there is also a difficulty in finding information on the site.

Strengths / Best practice

1. The University has a sufficient number of qualified and competent teachers, researchers to ensure adequate implementation of the educational program "7M10103 - Global Health and Healthcare".

2. The library contains materials necessary for training - educational, technical, scientific and reference literature, various medical periodicals, etc.

3. The library has an information website. The website contains the following elements: links, interlibrary loan forms, full-text electronic journal articles, and a feedback form.

Improvement implied

1. Conditions needed for including training in other laboratories apart from KNMU, preferably in another country, thereby ensuring internationalization.

2. KNMU should explore the possibility of providing joint master's degree programs from both universities and joint supervision to support cooperation between higher education institutions.

3. KNMU should be given sufficient autonomy in the distribution of resources, including procedures aimed at adequate remuneration of teachers in achieving the final learning outcomes.

4. KNMU should have sufficient resources for the proper implementation of the master's program in order to ensure the cost of participation in training courses, in international scientific conferences.

5. KNMU should constantly update the section on its website dedicated to master's programs.

EEC recommendations

1. Increase the number of memorandums for training in abroad laboratories and provide an implementation report by September 2023.

2. Develop and approve a plan for the implementation of joint EPs on the award of joint degrees from both universities and submit one memorandum by the 2024-2025 academic year.

3. To carry out a decent award of teachers for the mono publication of articles with a high impact factor and for the achievement of results by Master students with the provision of a report by September 2023.

4. Provide in the expense items the costs of participation in training courses in international conferences of Master students and teaching staff for the period 2023-2024 academic year.

5. Structuring the site in order to improve the speed of navigation, updating information about structural divisions, employees with the addition of information about publications with a high impact factor for the period 2022-2023 academic year.

Criteria summary by EEC: strong – 3, satisfactory – 21, improvement needed – 5, unsatisfactory – 0.

6.3. Standard «Policy and criteria of admission»

Evidence part

The policy and criteria for admission to the Master programs of KNMU have regulations in accordance with the following documents:

- Law of the Republic of Kazakhstan "On Education";
- Law of the Republic of Kazakhstan "On Science";
- Decree of the Government of the Republic of Kazakhstan dated January 19, 2012 No. 109 “On approval of the Model Rules for Admission to Education in Educational Organizations Implementing Educational Programs of Postgraduate Education” (as amended and supplemented as of July 14, 2016);
- Order of the Minister of Education and Science of the Republic of Kazakhstan dated August 3, 2020 No. 329 “On the placement of a state educational order for the training of specialists with postgraduate education for the 2020-2021 academic year (as amended and supplemented on 07.10.2020)”;
- Order of the Ministry of Health of the Republic of Kazakhstan dated October 31, 2018 No. 600 “On Approval of the Model Rules for Admission to Education in Educational Organizations Implementing Educational Programs of Higher and Postgraduate Education”;
- as well as the current legislation of the Republic of Kazakhstan and local acts of the University.

Persons entering the master's program with the English language of instruction pass the CT, which includes a test on the profile of groups of educational programs in English and a test to determine readiness for study in Kazakh, Russian or English. Persons who have one of the international certificates confirming knowledge of a foreign language in accordance with the pan-European competencies (standards) of foreign language proficiency are exempted from the foreign language test CT in the master's program in the following languages: English, German, French.

Information about the beginning of the selection committee is available to everyone on the KazNMU website (<https://kaznmu.kz/rus/magistratura-op-kaznmu/>, <https://kaznmu.edu.kz/rus/postupajushhim/postdiplomnoe-obrazovanie/magistratur/>). Open Day University annual event allows applicant to experience the university firsthand on the educational programs of the master's program. Information includes goals and learning outcomes, the competencies mastered, the possibilities for further education "Public Health", quality of education, the employment program, the research environment of the university, etc. (<https://news.kaznmu.kz/%D0%B4%D0%B5%D0%BD%D1%8C-%D0%BE%D1%82%D0%BA%D1%80%D1%8B%D1%82%D1%8B%D1%85-%D0%B4%D0%B2%D0%B5%D1%80%D0%B5%D0%B9-2021/>).

To carry out career guidance work aimed at selecting applicants for the chosen specialty of the master's program, there is complete information on the university's website on the programs "Global Health and Healthcare" with a description of the advantages, conditions, results and terms of study. (link: <https://kaznmu.kz/rus/postupajushhim/postdiplomnoe-obrazovanie/magistratur/>, <https://news.kaznmu.kz/%d0%bf%d1%80%d0%be%d1%84%d0%be%d1%80%d0%b8%d0%b5%d0%bd%d1%82%d0%b0%d1%86%d0%b8%d1%8f-%d0%ba%d0%b0%d1%84%d0%b5%d0%b4%d1%80%d0%b0-%d0%bf%d0%be%d0%bb%d0%b8%d1%82%d0%b8%d0%ba%d0%b0-%d0%b8-%d0%bc%d0%b5/>).

Analytical part

In KNMU, the established policy of admission to the magistracy complies with the legislation, and respects the equality of educational opportunities and ethical aspects. Admission policies and

procedures are clear, consistent with the mission and outcome of the educational program, and are officially published and available to prospective students and all interested parties.

However, upon admission based on the law, the university does not have the opportunity to implement its own requirements and change the admission rules at its own discretion. As a result, they receive masters whose research potential is unknown. Therefore, there are criteria for the recruitment of masters at the EP GH&H required.

Improvement implied

Applicants' consideration should assess the research potential, not academic performance only.

EEC recommendations

Develop selection criteria for assessing the research potential of applicants when selecting an applicant for a master's program on a paid basis - until September 2023.

Criteria summary by EEC: strong – 0, satisfactory – 8, improvement needed – 1, unsatisfactory – 0.

6.4. Standard « Program of the Master course»

Evidence part

The EP, the working curriculum and the content of the disciplines (Appendix 4.2) are developed in accordance with the structure of the educational program of the master's program in the scientific and pedagogical direction, approved by the Order of the acting. Minister of Health and Social Development of the Republic of Kazakhstan dated July 31, 2015 No. 647 "On approval of state mandatory standards and standard professional training programs for medical and pharmaceutical specialties." The disciplines of the university component, the ratio of basic and major disciplines, the total number of credits and hours mastered, etc., have been preserved. For EP "GH&H" SPD:

The volume of the cycle of basic disciplines is 29% of the total volume of the educational program of the master's program or 35 academic credits. Of these, 57% or 20 academic credits are assigned to the University component. The volume of the cycle of major disciplines is 41%, or 49 academic credits of the total volume of the master's educational program.

The master's program structured contains:

- (1) Theoretical education, including the study of cycles of basic and major disciplines;
- (2) practical training of Master students - various types of practices, professional internships;
- (3) research work, including the implementation of a master's thesis for a scientific and pedagogical master's program;
- (4) experimental research work, including the completion of a master's thesis for a specialized master's program;
- (5) intermediate and final attestations. (link: <https://kaznmu.kz/rus/obrazovatelnye-programmy/magistratura/globalnoe-zdorove-i-zdravoohranen/>).

There are several modules with disciplines to choose from in the EP, for example:

Module 1 - Module "Global Health Issues families";

Health Policy Module;

Module "Sanitary and epidemiological supervision of medical organizations";

Module "Patient and Human Centered Global Health");

Module 2 - Health Systems Module; Module "Global Burden of Disease";

Fundraising Module;

Module 3 - Module "Health during post-conflict and emergency disasters";

Module "Economic Analysis" (Appendix 2.9).

Educational programs are provided with the following auxiliary "tools": working curriculum, academic calendar, individual curriculum and individual work plan of the Master student. All the necessary information, including timetable, academic calendar, point-rating system for assessing knowledge (link: <https://kaznmu.kz/rus/uchebnyj-process/>), announcements (link: <https://kaznmu.edu.kz/rus/postupajushhim/postdiplomnoe-obrazovanie/magistratur/>), regulatory and legal documents, a guidebook for Master students, etc. are posted on the website of the University. This

ensures equal access of Master students to the necessary information, regardless of nationality, religion, state of residence, socio-economic status.

Analytical part

During the process of reviewing the self-assessment report, as well as visit procedures and interviews with focus groups, the EEC did not face difficulty in evaluating compliance with the criteria due to the sufficiency of supporting documentation. Many facts about the processes were confirmed during the visit, and received documentary evidence, the legal framework on the evaluation of the EP, the Regulations on the monitoring and evaluation of the EP, the presence of a digital environment were presented.

It was possible to fully establish how the university controls the quality of mastering educational programs by students and how it ensures continuous monitoring and improvement of the educational services provided. A feedback mechanism from internal and external stakeholders was presented - regulations, orders, other documents regulating this process.

Despite this, the EEC found in interviews with focus groups a low level of activity in interaction with external stakeholders in the field of EP implementation and mission approval. During interviews with external stakeholders, it was found that the university did not inform them about where and in what format their recommendations were applied during the creation and development of the EP.

The EEC revealed an insufficient wide coverage of the passage of academic mobility by Master students and teaching staff during interviews and when studying the documentation provided. This phenomenon indicates the need to develop a long-term plan for the development of academic mobility.

Improvement implied

1. Ensure that future Master students will have the opportunity to study under the academic mobility program.
2. Improve mechanisms for providing access to the results of the evaluation of the educational program of all interested parties.

EEC recommendations

1. Develop a long-term plan for the development of academic mobility for Master students and teaching staff. Provide an implementation report - 2023-2024 academic year.
2. Notify stakeholders about the application of their recommendations in the development and improvement of the EP by providing the minutes of the meetings of the CPC and COC of the academic committee - 2023-2024 academic year.

Criteria summary by EEC: strong – 0, satisfactory – 23, improvement needed – 2, unsatisfactory – 0.

6.5. Standard «Research Supervision»

Evidence part

In KNMU, the scientific supervision of master's theses is determined in accordance with the requirements of the state compulsory standard for postgraduate education, developed in accordance with the Order of the Ministry of Health and Social Development of the Republic of Kazakhstan dated July 31, 2015 No. 647 (link:<https://adilet.zan.kz/rus/docs/V1500012007/links>). Within 2 months after enrollment, each master student is assigned a supervisor to supervise the master's thesis. The supervisor is selected according to the criteria set out in the Order of the Ministry of Education and Science of the Republic of Kazakhstan dated June 17, 2015 No. 391 “On approval of qualification requirements for educational activities and the list of documents confirming compliance with them” (link:<https://adilet.zan.kz/rus/docs/V1500011716>).

Requirements for the scientific supervisor of the undergraduate: the degree of "candidate of science", or "doctor of science", or "doctor of philosophy (PhD)", or "doctor by profile", or the

academic degree "doctor of philosophy (PhD)", or "doctor by profile", or the degree of "Doctor of Philosophy (PhD)", or "Doctor by profile", corresponding to the profile of the requested direction, with at least three years of scientific and pedagogical work experience, 5 scientific articles for the last five years in publications included in the List scientific publications recommended for the publication of the main results of scientific activity, approved by the authorized body in the field of education and science (hereinafter referred to as the List of Publications) and 1 scientific article in an international peer-reviewed scientific journal that has an impact factor according to JCR (JCR) or indexed in one of Science Citation Index Expanded, Social Science Citation Index or Arts and Humanities CitationIndex bases in Web of Science Core Collection (Web of Science Core Collection) or C percentile index its Score (SiteSkor) not less than 25 in the Scopus database (Scopus).

Scientific supervisors are responsible for compliance by Master students with the implementation of the individual work plan of the undergraduate and the timely submission of the dissertation work. The supervisor is approved at the meeting of the department, the meeting of the scientific commission and the meeting of the Senate of KazNMU.

In their activities, scientific supervisors of Master students are guided by the current legislative acts of the Republic of Kazakhstan on science, regulations of the Government of the Republic of Kazakhstan, the Regulations on the training of scientific, pedagogical and scientific personnel in the system of postgraduate professional education in the Republic of Kazakhstan.

Master students who have completed the educational process are allowed to the final certification. The final certification of Master students is carried out according to the forms established by the state compulsory standard, the duration and terms of which are provided for by the academic calendar and working curricula in the form of defending a master's thesis. The master's thesis determines the level of professional qualification of the undergraduate and the degree of mastery of the methodology of scientific knowledge and compliance of the acquired knowledge, skills, skills and competencies with the requirements of the state compulsory standard of education.

Analytical part

The medical education organization managed to guarantee and assign a supervisor to each Master Student. It has mechanisms regulating the process of discussion and approval of the candidature of the supervisor and the research topics of the undergraduate in accordance with the standard requirements and SOSE. There is proving documentation that it is guaranteed that the candidates for supervisors will be selected from specialists who have a scientific degree and are actively engaged in scientific research in the field of science in the specialty.

KNMU has formulated duties and responsibilities of the supervisor, and a procedure was provided for monitoring the scientific activities of future Master students to complete a dissertation research.

The principles, methods and practices that will be used to evaluate Master students, including the criteria for evaluating scientific work, have been determined, approved and published.

Strengths / Best practice

No strengths for this standard

EEC recommendations

No for this standard

Criteria summary by EEC: strong – 0, satisfactory – 7, improvement needed – 0, unsatisfactory – 0.

6.6. Standard «Management and administration»

Evidence part

The founder of the University is the Government of the Republic of Kazakhstan represented by the State Property and Privatization Committee of the Ministry of Finance of the Republic of Kazakhstan. The right to own and use the state block of shares of the University in the amount of 100% of the authorized capital is exercised by the Ministry of Health of the Republic of Kazakhstan. The University in its activities is guided by 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 State Property", "On Joint Stock Companies", "On Education" and other regulatory legal acts of the Republic of Kazakhstan, as well as the Charter and internal documents of the University (Appendix 3.2).

The university carries out educational activities in accordance with the obtained license and throughout the entire period of its validity complies with the qualification requirements for educational activities, and the list of documents confirming compliance with them, approved by order of the Minister of Education and Science of the Republic of Kazakhstan dated June 17, 2015 No. 391 " On approval of qualification requirements for educational activities and the list of documents confirming compliance with them" (<https://adilet.zan.kz/rus/docs/V1500011716>).

The Board of NPJSC KNMU includes the Rector, Vice-Rector for Academic Affairs, Vice-Rector for Corporate Development, Financial Director, Chief of Staff, Secretary of the Board. <https://kaznmk.kz/rus/administraciya/>

In KNMU there are innovative structures (Departments, Schools, Institutes, Centers), whose activities are aimed at improving the quality of education, integrating education, science and practice.

In KNMU since 27.08.2020, the rector signed the "Code of Academic Integrity of Students of NPJSC KNMU. This Code regulates the activities for organizing and ensuring academic integrity in NJSC "Asfendiyarov Kazakh National Medical University, includes the main mechanisms for implementing the policy of academic honesty and preventing academic dishonesty.

The instrument for ensuring transparency of the management system and decisions made on the EP is the COP and the Commission for Quality Assurance, as well as the Academic Council and the Senate of KNMU. The general policy and methods used to evaluate Master students in KNMU are reflected in the "Academic Policy of KNMU" (link:<https://kaznmk.kz/rus/wp-content/uploads/2022/01/akademicheskaya-politika-nao-kaznmk-im.-s.d.-asfendiyarova-na-2021-2022-uchebnyj-god.pdf>), as well as in the syllabuses of disciplines (Appendix 4.2). At the first lesson in the disciplines, teachers bring to the attention of Master students the criteria for assessing individual educational achievements.

The dean's office of the School of Public Health together with the Department of postgraduate education supported by AIS "Sirius" carries out the organization of education: electronic journals, bulletin boards, newsletters, etc.

KNMU has the appropriate administrative and academic staff to ensure the implementation and implementation of the master's degree program "GH&H".

The number and area of classrooms corresponds to the number of students.

KNMU actively interacts with the healthcare sector in various areas.

The current Model of the quality management system of KNMU is aimed at creating and improving the mechanisms for the formation of internal guarantees for ensuring the quality of educational services.

Analytical part

Management provides conditions for improving the educational program. Education in the magistracy is carried out only on a full-time basis. The structural subdivision responsible for the implementation of educational programs of postgraduate education and the achievement of the final learning outcomes has been determined. Future Master students interact with management on the design, management and evaluation of master's programs. The transparency of the management system and the decisions taken are ensured, which are published in bulletins, posted on the website of the university, included in the protocols for review and execution. There is a structural unit responsible for the implementation of educational programs of postgraduate education, planning and implementing innovations in the educational program. There is active interaction with the health sector in various areas. Cooperation with partners in the healthcare sector has been given official status.

Strengths / Best practice

No strengths for this standard

EEC recommendations

No for this standard

Criteria summary by EEC: strong – 0, satisfactory – 23, improvement needed – 0, unsatisfactory – 0.

6.7. Standard «Continuous improvement»**Evidence part**

The feedback process managed the survey of student to monitor the quality and improvement of the educational service and survey of stakeholders to identify the competences demand. Additionally, feedback study the quality of education processes, improve and improve the activities of all departments of the university. The survey procedure is carried out systematically throughout the entire period of study. Questionnaires can be of a different plan, depending on the category of respondents. When questioning, all aspects of learning and life of students are covered: the share of students' knowledge, learning conditions, material, technical, methodological, information support of the educational process, living conditions, nutritional conditions, etc. (link:<https://kaznmu.kz/rus/anketirovanie/>).

Information and networking management in KNMU (<https://kaznmu.kz/rus/korporativnoe-upravlenie/>) followed by:

Continuously improves information resources via updating library funds;

Department of academic work developed the module Staffing (<https://staffing.gq/>) for automatic formation of methodology assurance digital card (MADK) as well as e-application for purchasing of learning materials (January 2022);

Expansion of Internet technologies in education (storage and delivery of learning materials by e-mail);

Opening of a test access to the electronic resources of the BMJ publishing house - BMJ Best Practice, BMJ Learning and Wiley for teaching staff and Master students in the scientific library (link:<https://lib.kaznmu.kz/ru-nauchnaya-biblioteka-soobshhaet-vam-o-tom-chto-v-kaznmu-otkryt-testovyy-dostup-k-jelektronnym-resursam-izdatelstva-bmj-bmj-best-practice-i-bmj-learning/>, <https://lib.kaznmu.kz/ru-uvazhaemye-prepodavateli-i-studenty-kaznmu-im-s-d-asfendiyarova/>);

Webinars organized by EBSCO and representatives of the Wiley publishing house for teaching staff and Master students in the scientific library of KazNMU . All webinars are free and held in Russian (link: <https://lib.kaznmu.kz/ru-nauchnaya-biblioteka-kaznmu-priklashaet-vas-na-vebinarny-organizovannye-kompaniej-ebSCO/>), (<https://lib.kaznmu.kz/ru-vebinar-na-temu-kak-publikovat-stati-v-zhurnalakh-wiley-v-sootvetstvii-s-trebovaniyami-konkursnoj-dokumentacii-na-grantovoe-finansirovanie-mon-rk/>).

Administrative approaches includes (<https://kaznmu.kz/rus/programma-razvitiya-nao-kaznmu/>):

- Setting up conditions for implementation of the quality system in the management of the university as a means of implementing the Quality Policy;
- Setting up necessary conditions for understanding and interest of the university staff of the Policy, tasks and activities in the field of quality;
- Optimization of the university management structure through a clear delineation of functions and responsibilities between all levels of management at the university.

Analytical part

Visit outcomes analysis together with the EEC self-assessment report revealed a constant positive growth in quantitative and qualitative indicators in the main activity of KNMU that directly affects its reputation in the national and international market: the availability of qualified human resources, the development of scientific potential for the implementation of the EP "7M10103 - Global Health and Healthcare", the internationalization of students.

The management of the university and the teaching staff of the implemented EP during the interview confirmed the existence of a direction for updating and improving the processes for the implementation of the EP in accordance with the achievements of medical science and practice. KNMU effectively implements the adopted strategic objectives within the framework of the legislation and regulations of the Republic of Kazakhstan.

EEC had the opportunity to evaluate the planning of the processes for updating, adjusting and revising the EP as part of the strategic development plan.

Strengths / Best practice

No strengths for this standard

EEC recommendations

No for this standard

Criteria summary by EEC: strong – 0, satisfactory – 11, improvement needed – 0, unsatisfactory – 0.

(VII) REVIEW OF STRENGTHS/BEST PRACTICES OF EACH STANDARDS

7.1 Standard «Mission and learning outcomes»

No strengths for this standard

7.2 Standard «Research environment and educational resources»

1. The University has a sufficient number of qualified and competent teachers, researchers to ensure adequate implementation of the educational program "7M10103 - Global Health and Healthcare".

2. The library contains materials necessary for training - educational, technical, scientific and reference literature, various medical periodicals, etc.

3. The library has an information website. The website contains the following elements: links, interlibrary loan forms, full-text electronic journal articles, and a feedback form.

7.3 Standard «Policy and criteria of admission»

No strengths for this standard

7.4 Standard «Program of the Master course»

No strengths for this standard

7.5 Standard «Research supervision»

No strengths for this standard

7.6. Standard «Management and administration»

No strengths for this standard

7.7 Standard «Continuous improvement»

No strengths for this standard

(VIII) REVIEW OF RECOMMENDATIONS FOR QUALITY IMPROVEMENT FOR EACH STANDARD

8.1 Standard «Mission and learning outcomes»

No for this standard

8.2 Standard «Research environment and educational resources»

1. Increase the number of memorandums for training in abroad laboratories and provide an implementation report by September 2023.

2. Develop and approve a plan for the implementation of joint EPs on the award of joint degrees from both universities and submit one memorandum by the 2024-2025 academic year.

3. To carry out a decent award of teachers for the mono publication of articles with a high impact factor and for the achievement of results by Master students with the provision of a report by September 2023.

4. Provide in the expense items the costs of participation in training courses in international conferences of Master students and teaching staff for the period 2023-2024 academic year.

5. Structuring the site in order to improve the speed of navigation, updating information about structural divisions, employees with the addition of information about publications with a high impact factor for the period 2022-2023 academic year.

8.3 Standard «Policy and criteria of admission»

Develop selection criteria for assessing the research potential of applicants when selecting an applicant for a master's program on a paid basis - until September 2023.

8.4 Standard «Program of the Master course»

1. Develop a long-term plan for the development of academic mobility for Master students and teaching staff. Provide an implementation report - 2023-2024 academic year.

2. Notify stakeholders about the application of their recommendations in the development and improvement of the EP by providing the minutes of the meetings of the CPC and COC of the academic committee - 2023-2024 academic year.

8.5 Standard « Research supervision »

No for this standard

8.6. Standard « Management and administration »

No for this standard

8.7 Standard « Continuous improvement »

No for this standard

(IX) REVIEW OF RECOMMENDATIONS FOR DEVELOPMENT OF EDUCATION INSTITUTION

The face-to-face and online visit of EEC IAAR included meetings with the administration of the University, heads of structural divisions, teaching staff, students, key stakeholders, studying the documents of the educational organization, Internet resources, conducting surveys to assess positive dynamics in the University in general, and in the EP Global Health and Healthcare in particular. Attention is drawn to the efforts made for career guidance in the EP Global Health and Public Health.

The recommendations draw attention to improving the admission process, optimizing the processes of academic mobility, signing agreements on double diplomas and the implementation of decent remuneration for teaching staff in order to maintain the educational process and scientific activities at a high level integrated with the world community.

(X) RECOMMENDATIONS FOR ACCREDITATION COUNCIL

The members of the external expert commission came to the unanimous opinion that the educational program "7M10103 - Global Health and Healthcare", implemented by the Non-Profit Joint Stock Company "Asfendiyarov Kazakh National Medical University" can be accredited for a period of 5 years.

Annex 1. Evaluation table "PARAMETERS OF A SPECIALIZED PROFILE" for a master's degree (primary accreditation)

№ II/II	№	ASSESSMENT CRITERIA	Position of the educational organization			
			Strong	Satisfactory	Presumes improvement	Non-satisfactory
Standard 1 "MISSION AND OUTCOMES OF TRAINING"						
Definition of the mission of the educational program						
1.	1	The medical education organization should define its mission of the educational program and bring it to the attention of stakeholders and the healthcare sector.		+		
2.	2	The medical education organization must ensure that the main stakeholders are involved in the development (formulation) of the mission of the educational program.		+		
3.	3	The medical education organization must ensure that the stated mission includes the problems of public health, the needs of the medical care system and other aspects of social responsibility.		+		
4.	4	The medical education organization must ensure that the mission of the educational program is consistent with the mission of the organization and allows the preparation of a competent researcher at the level of postgraduate medical education.		+		
5.	5	Mission of the educational program: <input type="checkbox"/> should correspond to available resources, opportunities and requirements of the market; - ways to support it should be determined; - <input type="checkbox"/> access to information about the mission of the educational program for the public should be provided (availability of information on the website of the university).		+		
6.	6	The mission of the educational program, similar to the mission of a medical educational organization, must be approved by the advisory board		+		
7.	7	A medical education organization must have a strategic plan for the development of an educational program that corresponds to the stated mission of a medical education organization, including issues of improving the quality of master's programs and approved by the advisory board of a medical education organization.		+		
Institutional autonomy and academic freedom						
8.	8	An organization implementing master's degree programs should have institutional autonomy to develop and implement policies for which faculty and administration are responsible, especially with regard to: <input type="checkbox"/> development of an educational program; - use of allocated resources necessary for the implementation of the educational program.		+		
<i>A medical education organization should guarantee academic freedom to its employees and undergraduates:</i>						
9.	9	- in relation to the current educational program, in which it will be allowed to rely on different points of view in the description and analysis of issues in medicine and pharmacy;		+		

10.	10	- in the possibility of using the results of new research to improve the study of specific disciplines / issues without expanding the educational program.		+		
Learning outcomes						
11.	11	The medical education organization must determine the expected learning outcomes that undergraduates must exhibit after completing the master's program.		+		
12.	12	The medical education institution must ensure that master's studies with the award of an academic master's degree will provide undergraduates with competencies that will allow them to become a qualified teacher and / or researcher in accordance with the principles of best pedagogical / research practice.		+		
13.	13	Completion of a master's program should be of potential benefit to those pursuing a career outside of the medical organization and applying their competencies developed during the master's program, including - critical analysis, assessment and solution of complex problems, the ability to transfer new technologies and synthesis of new ideas.		+		
14.	14	The medical education organization should ensure that a regular (at least once a year) process of updating and restructuring leads to the modification of the final learning outcomes of graduates in accordance with the responsibilities that are assigned to graduates after graduation from the master's program.		+		
		Total:		14		
Standard 2 "RESEARCH ENVIRONMENT AND EDUCATIONAL RESOURCES" »						
Research environment						
15.	1	The success of individual master's programs must be ensured by the organization of a strong and effective research environment.		+		
<i>The quality of the research environment should be assessed by analyzing:</i>						
16.	2	publications of research results (number of publications, impact factor, etc.) on the profile of a master's program in a medical education institution;		+		
17.	3	the level of attracting external funding for scientific research in a medical educational organization;		+		
18.	4	the number of qualified and competent teachers, researchers in a group, faculty, educational institution;	+			
19.	5	national and international cooperation with research groups of medical organizations, universities, research centers.		+		
20.	6	the presence in a medical educational organization of a procedure / system for observing the ethics of scientific research;		+		
21.	7	the possibility of providing access to the means necessary to write a dissertation		+		
22.	8	Master's programs implemented in this medical organization of higher and postgraduate education may include training in other laboratories, preferably in another country, thereby ensuring internationalization			+	
23.	9	The medical education institution should explore the possibility of providing joint master's degree programs from both universities and joint leadership to support cooperation between higher education institutions.			+	
24.	10	The medical education organization should ensure that the process of updating educational resources is carried out in accordance with changing needs, such as the recruitment of undergraduates, the number and profile of academic staff, the master's program.		+		
25.	11	The medical education organization should be given sufficient autonomy in the distribution of resources, including procedures aimed at adequate remuneration of teachers in achieving the final learning outcomes.			+	
Material and technical base						

<i>A medical education organization must have material and technical support that meets the licensed indicators, which include the following criteria:</i>					
26.	12	classrooms, laboratories and their equipment must be modern and adequate to the goals and objectives of the master's program;		+	
27.	13	undergraduates should be provided with conditions for the implementation of independent educational and research work;		+	
28.	14	renewal and improvement of the material and technical base should be carried out regularly.		+	
29.	15	The medical education organization must have sufficient resources for the proper implementation of the master's program in order to ensure: - admission of undergraduates, - organization of training in the master's program, □ dissertation work, - scientific guidance - advising undergraduates, □ review, review and evaluation of the dissertation, - awarding an academic master's degree, - operating costs, □ expenses for participation in training courses, in international scientific conferences, □ payment for tuition in the magistracy in institutions where it is practiced; - undergraduate scholarships in conditions of variation of its size.			+
30.	16	The resource policy should be aimed at maintaining and ensuring the continuous professional growth of teachers of the master's program.		+	
31.	17	A medical education organization should have a service and support service for future undergraduates, including a registrar office, research centers and laboratories, a canteen, a canteen, a medical center, sports grounds and halls.		+	
32.	18	The medical education organization must provide a safe environment for employees, undergraduates and those who ensure the implementation of the program, including providing the necessary information and protection from harmful substances, microorganisms, observing safety rules in the laboratory and when using equipment.		+	
33.	19	The medical education organization has approved procedures for improving the learning environment for undergraduates through regular renewal, expansion and strengthening of the material and technical base, which should correspond to the development in teaching practice.		+	
Information Technology					
34.	20	The medical education organization must have information support corresponding to the goals and objectives of the master's program.		+	
35.	21	The library should contain materials necessary for training - educational, technical, scientific and reference literature, various medical periodicals, etc.	+		
36.	22	The medical education organization must ensure that undergraduates will have timely and free access to library resources.		+	
37.	23	The library should have basic technical equipment to support daily activities: fax machines, copiers, computers, printers available for public use, and a telephone with voice mail or answering machine.		+	
38.	24	The library must have an information website. A website may include the following elements: links, interlibrary loan forms, full-text electronic journal articles, and a feedback form.	+		
39.	25	The medical education organization should regularly monitor library resources, study and implement strategies to meet the existing and future needs of undergraduates.		+	
40.	26	Undergraduates should use computer classes and terminals with access to information resources (local network, Internet).		+	
41.	27	In a medical education institution, accessibility and adequate use of information resources by undergraduates should be monitored.		+	

42.	28	The medical educational organization should constantly update, improve and expand the base of information resources with the provision of access for undergraduates to modern electronic databases, including foreign databases (Thomson Reuters (Web of Science, Thomson Reuters), Scopus, Pubmed, Elsevier, etc.).		+		
43.	29	A medical education organization must open and constantly update a section on its website dedicated to master's programs containing the following information: <input type="checkbox"/> structure and staff of the department of magistracy, duties of the head and employees of the department; <input type="checkbox"/> admission policy, including clear rules on the selection process for undergraduates; <input type="checkbox"/> list of master's programs; <input type="checkbox"/> structure, duration and content of master's programs; <input type="checkbox"/> criteria for the appointment of a supervisor, outlining the characteristics, duties and qualifications of the supervisor; <input type="checkbox"/> methods used to assess undergraduates; <input type="checkbox"/> criteria for designing and writing a dissertation; <input type="checkbox"/> description of the procedure for defending a dissertation work; <input type="checkbox"/> description of the work of the State Attestation Commission for the defense of master's theses; <input type="checkbox"/> program of quality assurance and regular evaluation of the master's program; <input type="checkbox"/> information about undergraduates, taking into account the year of study; - information about the employment of graduates of the master's program for the last 3 years, taking into account the direction of study (scientific and pedagogical, specialized).			+	
Total:			3	21	5	
Standard 3 "POLICY AND CRITERIA FOR ADMISSION"						
44.	1	The medical education organization must establish a relationship between the selection of undergraduates and the mission of the medical education organization, the educational program and the requirements of the labor market		+		
45.	2	The medical education institution must define and implement an admissions policy, including a clearly defined regulation on the selection process for undergraduates.		+		
46.	3	Candidates for the master's program must have completed professional higher education programs (basic medical / pharmaceutical / chemical, higher professional (basic medical + internship) or postgraduate education (residency)).		+		
47.	4	A medical education organization should have a system/mechanisms for career guidance aimed at selecting applicants for the chosen specialty of the magistracy		+		
48.	5	The medical education organization should determine the structure responsible for organizing the admission and selection of undergraduates, developed and approved rules / admission criteria based on the established standard rules for admission to the magistracy for higher educational institutions, dissemination of information to the general public.		+		
49.	6	When selecting future undergraduates, one should evaluate the research potential of the applicant, and not just take into account his academic performance.			+	
50.	7	In a medical education organization, there should be a system for studying employment, demand, career support and continuous professional development of graduates.		+		
51.	8	The data obtained through this system should be used to further improve educational programs.		+		
52.	9	The medical education organization should ensure that the process of updating and restructuring the educational program of the master's		+		

		program leads to the adaptation of the admission policy for undergraduates, taking into account changing expectations and circumstances, needs for human resources, changes in the postgraduate education system and the needs of the program.				
		Total:		8	1	
Standard 4 "MASTER'S PROGRAM"						
Model of the educational program, teaching methods and structure						
53.	1	The medical education organization must ensure that the educational program is developed on the basis of an integrated, comprehensive, competence-oriented approach, using modular learning technologies.		+		
54.	2	The medical education organization must determine the purpose and objectives of the master's program, which are aimed at achieving the mission of the educational organization, the mission of the educational program and the final learning outcomes.		+		
55.	3	The medical education organization must ensure that the content of the educational program meets the requirements of the State Educational Standards and the standard curriculum of the relevant specialty and is developed taking into account the needs of the labor market		+		
56.	4	The medical education organization must ensure the implementation of the educational program with the relevant working curricula, academic calendar, curriculum for disciplines, forms of an individual curriculum for future undergraduates and an individual work plan for a undergraduate		+		
57.	5	The master's program must be based on the performance of original research, which requires analytical and critical thinking and must be carried out under scientific supervision.		+		
58.	6	The medical education organization must ensure that the educational program is implemented in accordance with the principles of equality.		+		
59.	7	The medical education organization should provide mechanisms that guarantee the fulfillment of obligations by future undergraduates in relation to doctors, teachers, patients and their relatives in accordance with the Code of Conduct / Code of Honor approved in this medical organization of higher and postgraduate education.		+		
60.	8	The master's program must ensure that undergraduates are taught the rules of ethics and the responsible conduct of scientific research.		+		
61.	9	The medical education organization should determine the methods of teaching and learning that are appropriate for the educational program and the achievement of students' competencies.		+		
62.	10	The master's program should be structured with a clear time limit equivalent to 1-2 years full-time and contain:		+		
63.	11	- theoretical training, including the study of cycles of basic and major disciplines;		+		
64.	12	- practical training of undergraduates - various types of practices, professional internships;		+		
65.	13	- research work, including the implementation of a master's thesis for scientific and pedagogical magistracy;		+		
66.	14	- experimental research work, including the implementation of a master's thesis for a specialized master's program;			+	
67.	15	- intermediate and final certification.		+		
68.	16	The medical education organization should provide mechanisms for the implementation of pedagogical practice (in accordance with the type of master's degree) for the formation of practical skills and teaching methods in undergraduates.		+		
Master program evaluation						
69.	17	A medical education organization should have a program for monitoring processes and results, including the routine collection of data on key aspects of the educational program. The purpose of monitoring is to ensure the quality of the educational process, to identify areas requiring intervention.		+		

70.	18	A medical education organization should have approved mechanisms for regular program quality assessment, including feedback from academic supervisors, employers and undergraduates.		+		
71.	19	The medical education organization should have mechanisms aimed at systematic collection, analysis of feedback and providing it to teachers and undergraduates, which will include information about the process and products of the educational program, including information about bad practice or inappropriate behavior of teachers or undergraduates.		+		
<i>The medical education organization should ensure that the process of updating and restructuring is carried out regularly and is aimed at:</i>						
72.	20	- adaptation of the model of the educational program and methodological approaches in training in order to ensure that they are appropriate and appropriate;		+		
73.	21	- adjustment of the elements of the program and their relationship in accordance with advances in the medical sciences, with changes in the demographic situation and the state of health / structure of the incidence of the population and socio-economic, cultural conditions.		+		
Stakeholder Engagement						
74.	22	The medical education organization must ensure that the teaching staff, undergraduates, administrative and managerial personnel, and employers will be involved in the monitoring program and activities for evaluating the educational program.		+		
75.	23	The medical education organization should involve other stakeholders in the assessment process, including representatives of academic and administrative staff, members of the public, authorized bodies for education and health care, professional organizations, and employers.		+		
76.	24	The medical education organization should have mechanisms for providing access to the results of the evaluation of the educational program of all interested parties.			+	
77.	25	The medical education organization should ensure that the process of updating and restructuring leads to an improvement in the process of monitoring and evaluation of the program in accordance with changes in the learning outcomes and teaching and learning methods.		+		
Total:				23	2	
Standard 5 "RESEARCH SUPERVISION"						
78.	1	The medical education institution must ensure that it assigns to each undergraduate a supervisor, and in appropriate cases, a co-supervisor, in order to cover all aspects of the program.		+		
79.	2	A medical education organization should have mechanisms/procedures that regulate the process of discussing and approving the candidacy of a supervisor and a research topic for a master student in accordance with the standard requirements and SCES.		+		
80.	3	The medical education organization must ensure that the candidates for supervisors will be selected from specialists who have a scientific degree and are actively engaged in scientific research in the field of science in the specialty of undergraduate education.		+		
81.	4	The medical education organization should have clearly defined duties and responsibilities of the supervisor.		+		
82.	5	A medical education organization should plan and organize training courses for scientific supervisors on the policy of implementing master's programs, the main duties of scientific supervisors.		+		
83.	6	A medical education organization should have procedures/mechanisms/structures that organize and control the scientific activities of future undergraduates to complete a dissertation research.		+		
84.	7	The medical education organization must determine, approve and publish the principles, methods and practices that will be used to evaluate undergraduates, including criteria for evaluating scientific work.		+		

			Total:		7		
Standard 6 "MANAGEMENT AND ADMINISTRATION"							
Program Management							
85.	1	The management of a medical education organization must be effective and ensure the improvement of the educational program.		+			
86.	2	The medical education organization must ensure that training in the magistracy is carried out only on a full-time basis.		+			
87.	3	The medical education organization must determine the structural unit responsible for the implementation of educational programs of postgraduate education and the achievement of the final learning outcomes.		+			
88.	4	The structural unit responsible for the implementation of educational programs of postgraduate education should have the authority to plan and implement the educational program, including the allocation of allocated resources for the planning and implementation of teaching and learning methods, assessment of undergraduates, assessment of the educational program and courses of study.		+			
89.	5	The medical education organization must guarantee the interaction of undergraduates with management on the design, management and evaluation of master's programs.		+			
90.	6	The medical education organization should encourage and facilitate the involvement of undergraduates in the process of developing educational programs for the preparation of undergraduates.		+			
91.	7	The structural unit responsible for the implementation of educational programs of postgraduate education must ensure the transparency of the management system and decisions that are published in bulletins, posted on the website of the university, included in the protocols for review and execution.		+			
92.	8	The medical education organization should, through the structural unit responsible for the implementation of educational programs of postgraduate education, plan and implement innovations in the educational program.		+			
93.	9	The medical education organization should invite representatives from other relevant stakeholders to take part in the advisory council. It increases responsibility for the implementation of educational programs of postgraduate education, including other participants in the educational process, representatives from clinical and industrial bases, graduates of medical education organizations, health care / pharmacy professionals involved in the learning process or other teachers of the faculties of the university.		+			
94.	10	The medical education organization should ensure that the structural unit responsible for the implementation of educational programs of postgraduate education:		+			
95.	11	- takes into account the peculiarities of the conditions in which graduates will have to work and, accordingly, modify the educational program;		+			
96.	12	- considers the modification of the educational program based on feedback from the public and society as a whole.		+			
Academic Leadership							
97.	13	Медицинская организация образования должна ясно определить ответственность академического руководства в отношении разработки и управления образовательной программы.		+			
98.	14	Медицинской организации образования следует периодически проводить оценку академического руководства относительно достижения своей миссии и конечных результатов обучения.		+			
Training budget and resource allocation							
99.	15	The medical education organization must: - have a clear terms of reference and authority to provide the educational program with resources, including the target budget for education;		+			

		- allocate the resources necessary for the implementation of the educational program, and distribute educational resources in accordance with their needs.				
100.	16	The system of financing a medical educational organization should be based on the principles of efficiency, effectiveness, priority, transparency, responsibility, differentiation and independence of all levels of budgets.		+		
101.	17	Financial and administrative policies should be aimed at improving the quality of the educational program.		+		
Administrative staff and management						
102.	18	A medical education organization must have an appropriate administrative and academic staff, including their number and composition in accordance with qualifications, in order to: - ensure the implementation of the educational program and relevant activities; - ensure proper management and allocation of resources.		+		
19	19	The medical education organization should develop and implement an internal management quality assurance program, including consideration of needs for improvement, and conduct regular management review and analysis.		+		
104.	20	The medical education organization must ensure the implementation of the master's program in accordance with the quality management system certified by independent organizations.		+		
Engagement with the health sector						
105.	21	The medical education organization should have a constructive interaction with the health sector, with related sectors of health, society and government, including the exchange of information, cooperation and initiatives of the organization, which contributes to the provision of qualified specialists in accordance with the needs of society.		+		
106.	22	The medical education organization must provide an operational link between the educational program and the subsequent stages of professional training.		+		
107.	23	A medical education organization should be given official status of cooperation with partners in the health sector, which includes the conclusion of official agreements defining the content and forms of cooperation and / or the conclusion of a joint contract and the creation of a coordinating committee, and holding joint events.		+		
Total:				23		
Standard 7 "CONTINUOUS IMPROVEMENT"						
<i>The medical education organization must ensure that, as a dynamic and socially responsible institution, it will:</i>						
108.	1	initiate procedures for regular review and revision of content, results/competences, assessment and learning environment, structure and functions, document and eliminate deficiencies;		+		
109.	2	allocate resources for continuous improvement.		+		
<i>The medical education organization should:</i>						
110.	3	base the updating process on forward-looking research and analysis and on the results of their own research, evaluation and literature on postgraduate medical education;		+		
111.	4	ensure that the process of renewal and restructuring leads to a revision of its policies and practices in line with previous experience, current activities and prospects.		+		
<i>Medical education organization in the process of updating / continuous improvement should pay attention to:</i>						
112.	5	adaptation of the mission and end results of postgraduate medical education to the scientific, socio-economic and cultural development of society for the future;		+		
113.	6	modification of the intended outcomes of postgraduate education in the chosen field of health in accordance with the documented needs of the environment. Changes may include adjusting the structure and content of the educational program, the principles of active learning.		+		

		The adjustment will ensure, along with the exclusion of obsolete ones, the assimilation of new relevant knowledge, concepts, methods and concepts based on new achievements in the basic biomedical, clinical, behavioral and social sciences, taking into account changes in the demographic situation and the structure of the population on public health issues, as well as changes in socio-economic and cultural conditions;				
114.	7	development of assessment principles, methods of administration and number of examinations in accordance with changes in learning outcomes and teaching and learning methods;		+		
115.	8	adapting the recruitment and selection policy for master's students, taking into account changing expectations and circumstances, staffing needs, changes in the postgraduate education system and the needs of the educational program;		+		
116.	9	adapting the recruitment policy and the formation of the academic staff in accordance with changing needs;		+		
117.	10	improvement of the process of monitoring and evaluation of the educational program.		+		
118.	11	The medical education organization must ensure that the improvement of the organizational structure and management principles will be aimed at ensuring effective operation in the face of changing circumstances and needs, and, in the long term, at meeting the interests of various stakeholder groups.		+		
		Total:		11		
		Total in general: 118	3	107	8	



