

To the Accreditation Council of the
Eurasian Centre for Accreditation
and Quality Assurance
of Education and Health Care
December 28, 2024

**REPORT OF THE
EXTERNAL EXPERT COMMISSION
ON THE RESULTS OF THE EVALUATION OF THE
EDUCATIONAL PROGRAMME
7M10131 "GERONTOLOGY" OF ASTANA MEDICAL UNIVERSITY FOR
COMPLIANCE WITH THE STANDARDS OF ACCREDITATION OF
EDUCATIONAL PROGRAMMES OF MASTER'S SPECIALTIES IN
HEALTHCARE
Period of external expert evaluation: December 12-13, 2024**

Astana, 2024

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LIST OF SYMBOLS AND ABBREVIATIONS

Abbreviation	Designation
AIS	automated information system
AMP	administrative and managerial personnel
BD	basic disciplines
IDC	intra-departmental control
HEI	higher educational institution
WFME	World Federation of Medical Education
SAC	state attestation commission
SCES RK	state compulsory education standard of the Republic of Kazakhstan
SEC	state examination commission
JD	job description
UNT	unified national testing
ECAQA	Eurasian Centre for Accreditation and Quality Assurance in Education and Health Care
FSC	final state certification
FSE	final state exam
IWPT	individual teacher work plan
IMS	integrated management system
ISO	International Organization for Standardization
IEP	individual educational plan
RS	research school
EC	elective component
CIS	Corporate Information System
CCES MES RK	Committee for Control in the Sphere of Education and Science of the Ministry of Education and Science of the Republic of Kazakhstan
TBL	team-based learning
CTA	comprehensive testing of applicants
CED	catalog of elective disciplines
MPO	medical and preventive organization;
MPI	medical and preventive institutions
IAC	international academic cooperation
MOH RK	Ministry of Health of the Republic of Kazakhstan
IDM	Inter-departmental meeting
MSHE RK	Ministry of Science and Higher Education of the Republic of Kazakhstan
ISTC	international scientific and technical cooperation
IEA	international educational activities
MES RK	Ministry of Education and Science of the Republic of Kazakhstan
IEC	international educational cooperation
IS ISO	international ISO standard
NJSC "AMU", University	Non-profit joint-stock company "Astana Medical University"

1. Composition of the External Expert Commission

In accordance with the order of the ECAQA No 37 dated November 28, 2024, the External Expert Commission (hereinafter referred to as the EEC) was formed to conduct an external evaluation of the educational programme of the master's degree in the specialty 7M10131 "Gerontology" in the period December 12-13, 2024, consisting of the following members:

№	Status in the EEC	Full name	Academic degree/title, position, place of work/place of study, year, specialty
1	Chairman	Serikova-Yesengeldina Dinara Serikovna	PhD, Senior Lecturer, Head of the Department of Public Health, NJSC "Semey Medical University"
2	International Expert	Isaeva Natalia Viktorovna	Doctor of Medical Sciences, Professor of the Department of Epidemiology with a course in Hygiene and Epidemiology, FDPE. Vice-Rector for Continuous Professional Development, Perm State Medical University named after Academician Ye.A. Wagner
3	Academic Expert	Yeshmanova Ainur Kairkenovna	Candidate of Medical Sciences, Associate Professor, Geriatrician of the highest category, Professor of the Department of General Medical Practice, NJSC "Kazakh National Medical University named after S.D. Asfendiyarov"
4	Academic Expert	Maukaeva Saule Boranbaevna	Candidate of Medical Sciences, doctor of the highest category, associate professor of the Department of Infectious Diseases, Dermatovenereology and Immunology of the NJSC "Semey Medical University"
5	Employer Expert	Aushakhmetova Zabira Tezekbaevna	Candidate of Medical Sciences, Head of the Testing Laboratory of the State Enterprise "Astana su arnasy", Independent expert of the Public Association "Federation of Laboratory Medicine", Expert-auditor for product certification
6	Master's Student Expert	Arkhatova Gaukhar	2nd year master's student in the specialty "Innovation Management" of the Eurasian University named after L.N. Gumilyov

The work of the EEC was carried out in accordance with the Regulation on the EEC.

The EEC report includes a description of the results and the conclusion of the external evaluation of the educational programme of the master's degree 7M10131 "Gerontology" for compliance with the Standards for accreditation of educational programmes of master's specialties in health care and conclusions (hereinafter referred to as the Standards for accreditation), recommendations of the EEC for further improvement of approaches and conditions for the implementation of the above-mentioned educational programme and recommendations for the ECAQA Accreditation Council for accreditation.

2. General part of the final report

2.1 Presentation of the educational programme of the master's degree in the specialty 7M10131 "Gerontology"

Name of the organization, legal form of ownership, BIN	Non-profit Joint Stock Company "Astana Medical University"
Management body	Ministry of Health of the Republic of Kazakhstan
Full name of the head	Koikov Vitaly Viktorovich
Date of the university foundation	1964
Location and contact details	Republic of Kazakhstan, 010000, Astana, Beibitshilik St., 49A
State license for educational activities in the master's program (date, number)	19.03.2019, № KZ93LAA00014823
Inclusion in the Register of educational programmes of higher and postgraduate education of the National Centre for Higher Education Development of the Ministry of National Economy and Higher Education of the Republic of Kazakhstan	30.06.2023
Information on branches, subsidiaries (if any)	None
Year of commencement of the implementation of the accredited educational programme (EP)	2024
Duration of study	1 year
Total number of graduates since the beginning of the EP	-
Number of master's students in the EP since the beginning of the current academic year	1
Full-time teachers/part-time workers involved in the implementation of the EP, incl. % of Sedateness	Total number of teachers - 8, including full-time - 8, part-time - 0. Sedateness, % - <u>75%</u>
Website	https://amu.edu.kz/
Instagram	https://www.instagram.com/amu_mua_official/
Facebook with active pages	https://www.facebook.com/MeduniverAstana/

NJSC "Astana Medical University" (hereinafter referred to as NJSC "AMU") has been in the field of medical education for over 60 years (university website <https://amu.edu.kz/ru/about-university/>). It began its work in October 1964 as the Tselinograd State Medical Institute (1964-1997). Then the organizational form changed several times: Kazakh State Medical Academy (1997-2008); Joint-Stock Company "Kazakh Medical Academy", with 100% state participation in the authorized capital (13.05.2008-2009); JSC "Astana Medical University" (06.01.2009-01.07.2010) as part of JSC "National Medical Holding" (hereinafter referred to as NMH); JSC "Astana Medical University" since 01.07.2010 is under the jurisdiction of the Ministry of Health of the Republic of Kazakhstan.

NJSC "AMU" has a state license of the Committee for Control in the Sphere of Education and Science of the Ministry of Education and Science of the Republic of Kazakhstan dated March 19,

2019, No. KZ93LAA00014823, code 7M101 in the direction of training "Healthcare" for the right to carry out educational activities in postgraduate professional education, according to which it has the right to issue state-approved education documents. The University has a multi-level education system.

In its structure, NJSC "AMU" has institutes, schools, departments, departments, divisions, centres, which include staff in the following categories: Academic staff, administrative and managerial personnel, educational and support personnel, service personnel.

NJSC "AMU" carries out multi-level training of medical and scientific-pedagogical personnel along two trajectories:

- 1) bachelor's degree - internship - residency;
- 2) Bachelor's degree - Master's degree - PhD doctorate.

In the international rating QS Stars Rating System, NJSC "AMU" was the first in the Republic of Kazakhstan to receive a high rating - 4 "stars". This year, along with the overall rating of 4 stars, the university received ratings in individual categories: teaching - 5 stars, employment - 5 stars, research - 4 stars, global interaction - 3 stars, amenities - 3 stars, social impact - 3 stars, a special criterion - the strength of the educational programme "Medicine" - 4 stars, inclusiveness - 3 stars.

In the prestigious world ranking of environmental sustainability of universities UI Green Metric World University Ranking-2024, which measures the commitment of universities to improving environmental infrastructure, as well as promoting sustainable development and environmental protection, in 2024 NJSC "AMU" entered the TOP-1000 best universities in the world and the TOP-12 Kazakhstani universities, and also became the first among medical universities in Kazakhstan to achieve these results. The UI Green Metric rating evaluates universities according to a number of key criteria for sustainable development: efficient use of resources, reduction of carbon emissions, waste management, implementation of green technologies and practices, as well as the development of environmentally friendly infrastructure. Presence in this ranking demonstrates the university's commitment to the principles of environmental sustainability and responsible use of natural resources.

The research school coordinating and implementing the educational master's programme "Gerontology" is headed by PhD Raisova Karlygash Askerovna. The term of mastering the specialized program is 1 year (60 credits) with the assignment of the qualification "Master of Healthcare"

2.2 Information on previous accreditation

Until now, accreditation of the educational programme 7M10131 "Gerontology" has not been carried out.

2.3 Brief description of the results of the analysis of the self-assessment report of the educational programme 7M10131 "Gerontology" of the NJSC "Astana Medical University" for compliance with the Standards for accreditation of educational programmes of master's degree specialties in health care and conclusions on completeness

The self-assessment report of the educational programme in the specialty 7M10131 "Gerontology" (hereinafter referred to as the report) is presented on 121 pages and contains 25 annexes on the relevant standards, copies or electronic versions of documents located at the link https://drive.google.com/drive/folders/1VJK_GCqWhIpTU1dg_YT3v47BXf7kVeazH.

The report is characterized by the completeness of answers to all 9 main standards for accreditation and criteria, structuring taking into account the recommendations of the Guidelines for conducting self-assessment of the educational programme provided to the educational organization by the accreditation centre - ECAQA, as well as the internal unity of information. Attached to the report is a cover letter signed by Acting Rector Koikov Vitaly Viktorovich, who confirms the accuracy of the quantitative information and data included in the self-assessment report https://drive.google.com/drive/folders/1aMk3rjXjz_IyxLZbdRrEzc71_NuLyKKi?usp=sharing.

The report contains a list of 21 members of the internal self-assessment committee with the responsibility of each member of the internal committee.

The self-assessment of the educational programme 7M10131 "Gerontology" was carried out on the basis of order No. 837-n / k dated September 12, 2024 "On the self-assessment of the educational programme of the master's degree 7M10131 "Gerontology"".

All standards provide the actual practice of the university in training master's students in the specialty 7M10131 "Gerontology" taking into account the start of admission of students in 2024, substantiated data, examples of the implementation of the objectives of the educational programme, national and international events, methodological support, confirming compliance with the requirements of standards for accreditation. The description in the self-assessment report is quite complete and up-to-date in terms of the number of master's students, teachers, administration, information on selection and admission, training results, knowledge and skills assessment results, educational resources and practical training environment, practice bases, contractual obligations with partners (universities, associations), financial information, plans for the development and improvement of master's students' training and the timeliness of completing the dissertation research.

The report was submitted to the ECAQA in a completed form, written in literate language, the wording for each standard is clear and understandable and described in accordance with the criteria of the standards, the tables contain references in the text and have continuous numbering.

The quality of the self-assessment report served as the basis for moving to the next stage of the accreditation procedure - external evaluation. The experts planned to validate the report data, compare the information from the report with the information that will be obtained during a visit to the educational organization, i.e. verification of quantitative and qualitative indicators.

3. Description of the external expert evaluation

The external expert work within the framework of the evaluation of the educational programme 7M10131 "Gerontology" was organized in accordance with the Guidelines for the external evaluation of educational organizations and educational programmes of the ECAQA and according to the programme agreed with the rector of the NJSC "Astana Medical University" V.V. Koikov. Dates of the visit to the organization: December 12-13, 2024.

The external evaluation is aimed at validating the data of the self-assessment report and verifying the indicators indicating the degree of compliance with the criteria of standards for accreditation.

The sequence of the visit over 2 days is presented in detail in the Visit Program (hereinafter referred to as the program), which is in the documentation of the accreditation centre. The program is evidence of the implementation of all planned activities within the external expert evaluation.

To obtain objective information, the members of the EEC used the following methods and their results:

- interviews with management and administrative staff - 25 people;
- interviews with graduate students - 5 people;
- studying the website <https://amu.edu.kz>;
- interviewing 14 employees, 12 teachers, 3 scientific supervisors;
- questioning teachers and graduate students - 25 and 5, respectively;
- observing the training of graduate students: visiting training bases;
- review of resources in the context of fulfilling standards for accreditation: a training and scientific research base was visited, including public health and management;
- studying 103 educational and methodological documents both before the visit to the organization and during the visit to the departments (the list of documents studied is in **Annex 2**).

The staff of the accredited organization ensured the presence of all persons specified in the visit program and in the lists of interview sites and interviews (Table 1).

Table 1 - Information on the number and category of participants in meetings, interviews and conversations with members of the EEC

№	Position	Quantity
1	Rector	1

2	Vice-Rector	2
3	Financial Director, Managing Director	2
4	Deputy Chairman of the Academic Council, Chairman of the Quality Assurance Committee (QAC) of the Master's and Doctoral Programs	2
5	Head of HR, Head of the Centre for Transfer of Educational Technologies	2
6	Dean of the Research School, Head of the Centre for Planning and Development of Academic Affairs, Leading Methodologist of the Centre for Planning and Development of Academic Affairs, Head of the Registrar's Office, Chief Specialist of the Educational Process Quality Audit Group	5
7	Teachers	12
8	Master's Students	4
9	Employers of Accredited Educational programmes	2
10	Representatives of Practical Healthcare	2
11	Master's Graduates	5

On the last day of the visit to the organization, a meeting of the EEC members was held on the results of the external evaluation. A final discussion of the results of the external evaluation of the educational programme, examination of documents, interview results, and questionnaires was held. The EEC members began drafting the final report of the EEC. Generalizations of the external evaluation results were made. The experts individually filled out the "Quality Profile and Criteria for External Evaluation of the Educational programme 7M10131 "Gerontology" for compliance with the ECAQA Standards for accreditation. The EEC members did not make any comments. Recommendations for improving the educational programme were discussed with the EEC members. A final open vote was held on the recommendations for the ECAQA Accreditation Council for the accreditation period.

Comfortable conditions were created for the work of the EEC; access to all necessary information and material resources was organized. The commission notes the high level of the university's corporate culture, the high degree of openness of the team in providing information to members

While conducting a survey of graduate students, 100% rated the work of the External Expert Commission for accreditation of this organization as positive. 100% believe that it is necessary to conduct accreditation of an educational organization or educational programmes.

According to 66% of teachers, the commission examines all the main processes of program implementation, which is useful for developing recommendations for improving the key areas of activity of the accredited educational organization, 16% partially agree, 8% partially disagree, 8% find it difficult to answer.

At the end of the visit, the chairman of the EEC announced recommendations for the management and employees of the educational organization based on the results of the external evaluation as part of the specialized accreditation.

4. Analysis of compliance with standards for accreditation based on the results of external evaluation of the educational programme of the master's degree 7M10131 Gerontology

Standard 1: MISSION AND OUTCOMES

1.1 Statement of the mission, goals and end results of training

The mission of the educational programme 7M10131 "Gerontology" includes the training of qualified specialists with in-depth knowledge in the field of gerontology, aimed at improving the quality of life and health of elderly and old people through comprehensive training combining theoretical foundations and practical skills for professional activity in a developing and socially

significant field. The mission reflects the specifics of training personnel under this program and is formulated in accordance with the strategic directions of the University.

The mission of the EP is developed on the basis of the mission of the organization and the main regulatory documents (Law of the Republic of Kazakhstan dated July 27, 2007 No. 319-III "On Education" <https://adilet.zan.kz/rus/docs/Z070000319>; Code of the Republic of Kazakhstan dated July 7, 2020 No. 360-VI LRK "On Public Health and the Healthcare System" <https://adilet.zan.kz/rus/docs/K2000000360>; Resolution of the Government of the Republic of Kazakhstan dated November 24, 2022 No. 945 On approval of the Concept of Healthcare Development of the Republic of Kazakhstan until 2026. <https://adilet.zan.kz/rus/docs/P2200000945>; Resolution of the Government of the Republic of Kazakhstan dated October 12, 2021 No. 725 On approval of the national project "Quality and Affordable Healthcare for Everyone "Healthy Nation". <https://adilet.zan.kz/rus/docs/P2100000725>; Order of the Minister of Health of the Republic of Kazakhstan dated January 10, 2020 No. 5 On approval of the Development Plan of the Ministry of Health of the Republic of Kazakhstan for 2020-2024 (with amendments and additions as of February 24, 2022). https://online.zakon.kz/Document/?doc_id=38623335. The mission is presented in an accessible form for graduate students and employers (<https://amu.edu.kz/ru/about-university/>).

The final learning outcomes are defined in accordance with the learning outcomes reflected in the State Compulsory Educational Standard of the Republic of Kazakhstan (SCES RK) and are spelled out in the educational programme (<https://amu.edu.kz/upload/iblock/666/666fe49a7ff44a3c82b8cf023e316aac.pdf>).

During the implementation of the program activities, namely, based on the results of the interview with the first head of the organization, members of the academic council, interviews with teachers, compliance with the criteria of **Standard 1.1** was established, since the final learning outcomes contain both theoretical knowledge and the formation of applied knowledge and skills in order to be ready to perform various managerial, managerial or organizational functions, skills for conducting research in the field of vocational education and health care. The educational programme formulates the goals of developing practical skills through industrial practice.

The University applies ethical approaches in training Master's students. The experts familiarized themselves with the Code of Ethics for Students and Teachers (approved on March 14, 2024). During a conversation with 4 Master's students, the experts were convinced that they knew about this document and applied it in their studies and communication with teachers and colleagues.

1.2 Participation in formulating the mission and final learning outcomes

The educational programmes implemented at the University are a set of regulatory documents developed on the basis of the state educational Standard of the Republic of Kazakhstan and standard programs of disciplines approved by the Ministry of Health of the Republic of Kazakhstan. All interested parties are involved in the process of developing and discussing the mission of the EP. For this purpose, the University has collegial bodies, which include potential employers, students of all levels, as well as representatives of the University's teaching staff as members. All participants in the educational process know the mission of the educational programme 7M10131 "Gerontology", took part in the formation of proposals for formulating the mission (p. 1.2). For example, teachers, master's students participated with proposals - competencies and final learning outcomes of the EP, practical skills of a graduate, a catalogue of elective disciplines. A wide range of stakeholders makes it possible to more reliably assess the activities of the university and improve the process of continuous improvement in formulating the mission and goals.

Representatives of clinical sites took part in the formulation of the Mission and final learning outcomes: Head of the Gerontology Centre of the RSE on the REM "Hospital of the Medical Centre of the Presidential Administration of the Republic of Kazakhstan", Doctor of Medical Sciences, Professor, Academician of the National Academy of Sciences of the Republic of Kazakhstan, Chief Gerontologist of the Ministry of Health of the Republic of Kazakhstan Benberin V.V., Head of the Centre for the Formation of a Healthy Lifestyle of the Hospital of the Medical Centre of the Presidential Administration of the Republic of Kazakhstan Kurmanov M.K.

https://drive.google.com/drive/folders/1aMk3rjXjz_IyxLZbdRrEzc71_NuLyKKi?usp=sharing ((Minutes No. 5 dated 11/21/23). Based on their recommendation, the list of final outcomes was supplemented: - demonstrate knowledge of the structure of organizations, the mechanisms of their interaction with stakeholders, the principles of work in an external context in the long term, practical skill in being able to develop a strategic plan for the development of an organization.

The mission was discussed and approved at a meeting of the Research Institute of Preventive Medicine named after Ye.D. Dalenov. (Minutes No. 5 dated November 21, 2023 https://drive.google.com/drive/folders/1aMk3rjXjz_IyxLZbdRrEzc71_NuLyKKi).

Experts have established that the mission of the educational programme is communicated to applicants for a master's degree, master's students, and employers through the website, social networks, and information letters to medical organizations.

From interviews with master's students, it was established that before classes, teachers inform about the mission, plans for the university's work, and tell where to get the necessary information about the educational programme, teachers, and training bases.

During their visits to the university's departments, experts noted the strengths of the accredited educational programme, including: Status of a non-profit joint-stock company; Implementation of corporate governance principles (Board of Directors, Management Board); Formation of a corporate culture (Charter, System of declared values and norms, Code of corporate culture and ethics, Strategic management, system of corporate awards); Delegation of authority; Use of various management tools; Participation of employers of practical healthcare in the development of educational programmes.

The university has departments that can be noted as the best practice in education, namely, research schools. In particular, the Research Institute of Preventive Medicine named after Academician Ye.D. Dalenov, which is directly related to the educational programme of the master's degree 7M10131 "Gerontology". This conclusion was made, since this division carries out admission and recruitment to the master's degree program, the formation of a state order for the EP, the selection and admission procedure, paid training, career guidance work, feedback with applicants and job seekers, work with departments, assistance in the employment of graduates, as well as attracting scientific grants.

During the conversation with the master's degree students and employers, the experts received answers to the following questions: "Do you participate in formulating the mission and goals of the organization, educational programme?", "What is the personal contribution of the master's degree students to improving the educational programme?" The master's degree students answered these questions that they are members of the advisory bodies at the university, suggested observing the principles of student-centeredness, and the employers answered as follows that, according to their recommendation, the programs were focused on developing practical skills

1.3 Institutional autonomy and academic freedom

To verify **Standard 1.3** a meeting was held with the rector of the university Koikov V.V., vice-rector, MBA of the Higher School of Public Health Saidangazin D.D., vice-rector, MD, professor, immunologist-allergist Gazalieva M.A. During the conversation, the experts asked the following questions: Strategies for the development of postgraduate education at AMU; Justification for the development of new educational programmes in the master's program; Evaluation of educational programmes. During the answers, the rector and vice-rectors confirmed that AMU is constantly expanding the list of specialized master's programmes, taking into account the needs of practical health care, educational programmes are constantly evaluated at all levels. The projectors confirmed that all stakeholders participate in the development of the mission and final results of the EP; the discussion begins at the level of the department meeting. The university has developed its own form of Syllabus. In addition to the EP, Syllabuses, WC, there is a catalogue of elective disciplines (CED), who contains a description of the elective disciplines available for the choice of master's students.

The university has autonomy in the development of educational programmes, including the specialized master's program in the specialty 7M10131 "Gerontology". This educational programme

was developed by the staff of the Research Institute of Preventive Medicine named after Academician Ye.D. Dalenov.

The process of programme development is regulated by the university standard "Educational programmes: development and updating" (approved on 13.08.24).

The elective components were developed taking into account the opinions of graduate students and representatives of practical healthcare - clinical bases (the Centre for Active Longevity of the Saryarka District of Astana and the Centre for Healthy Lifestyle Development at the Hospital of the Medical Centre of the Presidential Administration of the Republic of Kazakhstan).

While choosing a base for practical training of graduate students, the choice was made in favour of clinical bases with experience working with elderly patients:

- 1) The Centre for Healthy Lifestyle Development at the Hospital of the Medical Centre of the Presidential Administration of the Republic of Kazakhstan (with more than 100 patient visits per day and an inpatient department with 200 beds, agreement with the base No. 522-D152 dated 04/05/2022)
- 2) The Centre for Active Longevity of the Saryarka District of Astana (with more than 100 elderly patient visits per day, agreement with the base No. 19-D-480 dated 06/27/2023).

There are also memorandums of cooperation between NJSC "AMU" and the Ministry of Labour and Social Protection of the Republic of Kazakhstan (dated June 28, 2024), and the Social Services Centre "Sharapat" of the Akimat of Astana (dated November 27, 2023). Master's students are provided with all the necessary resources to prepare a dissertation (library, access to international databases - see more in Section 6.) There are the necessary Academic staff in the amount of 8 people (of which 75% are Academic staff with an academic degree) in order to maintain the ratio - teacher: master's student, as 1:6.

1.4 Name and description of the programme

The results of the study of the documentation demonstrate that the mission of the organization and the mission of the educational programme "7M10131 Gerontology" and the educational process are built in accordance with the State Educational Standard and current Laws and Statutory Instruments (LSI) in postgraduate education and health care.

The experts examined 103 documents, including those directly related to the accredited master's program (see Annex 3 to this report).

For the implementation of the educational programme in the specialty "7M10131 Gerontology", the organization's documents contain teaching and methodological documents that define the goal, take into account the integration of practical and theoretical components, and independent work. Compliance with the State Compulsory Educational Standard and standard requirements was established.

Information is provided on the methods of teaching in the master's program, including the possibility of creating an individual training program if necessary. This is regulated in the Regulation "On training in the master's programme" PL-AMU-121-23, which each student has access to through the official website of the university <https://amu.edu.kz/upload/iblock/e35/e35cbf90ba682b2ef2e7e16b121b430f.pdf>.

The document "Academic Policy" (minutes No. 17 of August 21, 2024) describes the assessment policy, conditions for extending studies in the master's programme (for example, in case of long absences for a valid reason of the student), requirements for the design of the dissertation. RI AMU 18-24 protocol No. 20 of August 19, 2024 on the completion of the final work.

The Master's student support system is described in the "Academic Policy" (Protocol No. 17 dated "21" August 2024).

The policy for identifying plagiarism is included in the "Regulations on the use of an automated system for detecting plagiarism and checking texts for borrowing" (Protocol No. 23 approved on "22" August 2023). The principles of academic honesty are described in the document Code of Academic Integrity (Protocol No. 18 approved on "23" August 2024).

The conditions for selection and admission of a master's student are contained in the document: Process Map "Management of the process of selection and admission of students to the master's programme" KP-AMU-EP-28-23 (approved on 12.07.23), as well as the procedure for admission to the master's programme are in the "Rules for Admission to the Master's Programme of NJSC "Astana Medical University" PR-AMU-04-24 (approved on 9.08.24)

The procedure for filing complaints and applications from master's students is included in the document Academic Policy (approved by the decision of the Board of NJSC "Astana Medical University", minutes No. 17 dated "21" August 2024).

The experts are familiar with the approved Policy for Ensuring the Quality of Education (minutes No. 27 dated December 2024).

The procedure for informing master's students about their rights and obligations is reflected in the Regulation on Master's Studies (minutes No. 16 dated June 29, 2023) and in the document Academic Policy of the University. The AP was approved by the decision of the Board of NJSC "Astana Medical University", minutes No. 17 dated August 21, 2024.

During a visit to the university and an interview with the Dean of the Research School Raisova K.A., the commission was convinced that there is a documentation system that is transparent and accessible to all teachers and employees, and includes such documents as annual operational plans, annual reports, department regulations, agreements with teachers and master's students and educational and methodological documentation (work program, working curricula, syllabuses, journals), assessment tools (checklists, statements), certificates, and verifications. A review of the website showed that the documents necessary for master's students are posted on its pages. The conditions for the selection and admission of a master's student are contained in the document: Process Map "Management of the process of selection and admission of students to the master's program" KP-AMU-EP-28-23 (approved on 12.07.23), as well as the procedure for admission to the master's programme are in the Rules for Admission to the Master's Programme of NJSC "Astana Medical University" PR-AMU-04-24 (approved on 09.08.24), the code of academic integrity K-AMU-01-24 Approved by the decision of the Board of NJSC "Astana Medical University" No. 18 dated "23" August 2024 and there is information on updating the educational programme.

The developed LSI of the AMU guarantee high-quality support of the EP, all documentation for the support of the teaching staff implementing the master's degree program, as well as the student, is approved and is carried out in accordance with the Regulations, work instructions and standards of NJSC "AMU" (documents are available online on the university platform in the "Employee" or "Student" sections <https://amu.edu.kz/ru/sotrudnikam/polozheniya/>).

The experts reviewed the strategic plan for the development of the University for a Period of 5 years (2022-2026), which includes 5 areas, including the direction for the development of postgraduate education: "Training competitive and professionally competent healthcare specialists in popular specialties and specializations." According to experts, this confirms the implementation of the Standard for accreditation and demonstrates the goals, objectives and prospects of the university.

While conducting a survey of 5 master's degree students (on the resource <https://webanketa.com/>), out of 22 questions, a number were devoted to the quality of the educational process and the educational programme. It was found that 100% of master's degree students would recommend studying at the university to their acquaintances, friends, and relatives. And 100% of respondents believe that the heads of the educational programme and teachers are aware of the problems of students related to education. To the question "Do you think the university allows you to acquire the necessary knowledge and skills in your chosen specialty?", 100% of master's degree students answered positively

The 25 teachers surveyed (question 25 of the questionnaire) also answered that 88% of the teaching staff are satisfied with the organization of work and the workplace at the university, and 4% partially agree with this statement, 4% - no answer. The experts determined that the university has a healthy microclimate, since the head is quite accessible to both master's degree students and employees, responds promptly to applications and suggestions. In the questionnaire, 92% of teachers

are satisfied with the microclimate at the university, and 4% are partially satisfied. According to 88% of respondents, they have the opportunity to realize themselves as professionals in their specialty. Teaching experience of up to 5 years are 12% of teachers, up to 10 years - 8%, over 10 years - 80%.

EEC conclusions by criteria. Comply out of 5 basic standards: fully - 5, partially - 0, do not comply - 0.

Standard 2: EDUCATIONAL PROGRAMME

2.1 Methods of learning and teaching

For the effective implementation of the master's program in the specialty "7M10131 Gerontology" at the Research Institute of Preventive Medicine named after Academician Ye. Dalenov NJSC "AMU", the following teaching methods are used: TBL, interactive teaching methods, digital technologies, including those based on artificial intelligence, clinical case discussion (CBD - Case based Discussion), situation analysis (CS - case-study), SGL (small group learning), teamwork (TBL - Team Based Learning), analytical analysis of a scientific publication. The choice of these teaching methods is due to the fact that the master's programme "7M10131 Gerontology" is specialized, and to develop professional competencies, including specialized ones, the above-mentioned teaching methods such as CBD, CS, and SGL are necessary. These methods, in the process of analysing the topic, allow master's students to analyse the practical situation, understand the essence of the problems, propose possible solutions and choose the best of them. Another teaching method such as TBL allows master's students to apply the conceptual knowledge acquired during the training process in teamwork using a sequence of actions, and the teacher, in turn, receives instant feedback. The use of digital technologies, including those based on artificial intelligence, allow master's students to receive professional development in accordance with modern demands of practical healthcare in the context of the active implementation of artificial intelligence technology in many areas of healthcare in the Republic of Kazakhstan. Scientific research skills are achieved through the applied teaching and assessment methods: analytical analysis of a scientific publication, Project-based learning, Research-based learning, analysis from the standpoint of evidence-based medicine.

Thus, all educational methods used in the EP "7M10131 Gerontology" contribute to the formation of the necessary competencies in master's students, as well as professional and scientific development. The following methods allow you to acquire skills: practical (PBL, CBL, interactive teaching methods); communication skills (Kolb model); scientific research skills (analysis from the standpoint of evidence-based medicine, Project-based learning); development of language competencies (KAHOOT distance learning technology).

The University has organized training for master's students in the following educational and clinical bases that have experience working with elderly patients:

- 1) The Centre for the Formation of a Healthy Lifestyle at the Hospital of the Medical Centre of the Presidential Administration of the Republic of Kazakhstan (with more than 100 patient visits per day and an inpatient department with 200 beds)
- 2) The Centre for Active Longevity of the Saryarka District of Astana (with more than 100 elderly patient visits per day).
- 3) Research Institute of Preventive Nutrition and Nutritiology named after Academician Ye.D. Dalenov.

In the specified clinical bases, master's students of "7M10131 Gerontology" form and develop such practical skills as:

- development of standards and recommendations for active longevity, determining the needs of elderly and senile people for accessible medical care and ensuring a barrier-free environment, taking into account the characteristics of aging and health;
- assessment of the functional state of elderly and senile people, determination of body reserves, determination of the rate of aging.
- development of public health measures on issues of population aging, development of individual

and environmental solutions that contribute to the restoration, adaptation and improvement of the psychosocial status of the elderly.

Currently, there is 1 master's student studying in the specialized master's programme "7M10131 Gerontology". The master's student is involved in providing medical care and medical and social care to patients with age-associated diseases, collects prospective and retrospective information about patients, conducts research at the Centre for Active Longevity of the Saryarka District of Astana to complete writing their dissertation.

Master's students collect prospective and retrospective information to complete writing their dissertation.

The experts did not attend practical classes, since the classes were completed and the master's students were in training.

The organization ensures compliance with ethical aspects in the implementation of the educational programme, since the experts studied the code of corporate ethics and culture (dated September 28, 2012) and during the interview, the master's students responded that they were informed about the content of this document.

In a conversation with the master's students, the experts saw that the university promotes the development of master's students' practical competencies, including research. At the same time, master's students deepen their theoretical knowledge and develop communication skills.

The training of master's students in the specialty 7M10131 "Gerontology" is aimed at meeting the needs of practical health care, since the analysis of the shortage of specialists revealed a shortage of specialists in the field of gerontology. Therefore, the university provides a lot of opportunities and conditions for qualified training of specialists in this field. Thus, in a conversation with the Dean of the Research School Raisova K.A., the experts received the following information: the training of master's students in this specialty is in demand, since the order came from employers (in particular, from the Centres for Active Longevity under the Akimat of Astana), and the teachers confirmed that the training of master's students is carried out in accordance with the rules and regulations. Master's students in this specialty can work in the field of management of medical organizations, medical and social institutions such as Active Ageing Centres, Centres for the Provision of Special Social Services for the Elderly Population.

Of the 5 surveyed master's students, 100% of students responded that teachers use active and interactive teaching methods in classes quite often. During a visit to the university, experts identified problems with the implementation of new teaching methods.

2.2 Development of academic skills

Experts received evidence that the educational programme develops academic skills in master's students, such as independent thinking, analytical skills, critical thinking, and decision-making skills. During a conversation with master's students, experts came to the conclusion that master's students reason competently, are capable of critical perception of information, and have the communication skills necessary for a scientist-teacher-healthcare specialist. For example, experts asked the following questions: what university resources do you use when writing articles? The master's students answered: The University provides all the resources, including access to international databases.

During the visit to the educational base, the experts familiarized themselves with the individual work plan of the master's student (IWPM) for the accredited programme 7M10131 "Gerontology". The individual work plan is drawn up for the entire period of study, which includes the following sections: educational programme of the master's degree; plan for the implementation of the master's project (topic, scientific supervisor, relevance, goal, objectives, experimental research work, materials and methods of research, novelty of the study, expected results, practical significance, research base, calendar deadlines for completing the work); general plan for working on the master's project (theoretical work, experimental work, presentation of results).

Teachers provide master's students with methodological and didactic materials, additional literature to prepare for classes, with which 100% of master's students are completely satisfied.

2.3 Content of the program, scope of application

There are documents containing requirements for the content of educational programmes. The person responsible for the Gerontology program is responsible for the selection and implementation of innovations in the educational process.

Each topic of the Master's programme includes basic and advanced theories and models, such as a competence-oriented approach, which is a unified system for defining goals, selecting content, organizing the process of training a specialist based on the allocation of special, general and key competencies that guarantee a high level of effectiveness of the specialist's professional activity. The EP contains a list of general and special competencies, the achievement of which is ensured by studying disciplines, undergoing industrial practice, research work.

The interviewed teachers answered that they are 100% completely satisfied with the level of previous training of Master's students.

The experts established a clear continuity between the final outcomes of previous training of Master's students (prerequisites) and training in the Master's program, as well as subsequent programs of continuous professional development.

The university has developed 17 additional education programs, including for the specialty 7M10131 "Gerontology".

Master's students are informed about this. 88% of teacher-respondents believe that university students have a high level of knowledge and practical skills after completing the training program, 8% partially agree with this, 4% - no answer.

Healthcare organizations and the medical and social institution "Active Longevity Centre under the Akimat of Astana" acts as practice bases, which help collect the necessary material when conducting research work.

The terms of industrial practice are determined by the State Compulsory Educational Standard of the Republic of Kazakhstan, an individual work plan, determined by the curriculum. The content of industrial practice is determined by the topic of the master's project.

To the question of the questionnaire "Evaluate the organization of clinical (practical) training", "Is there sufficient time for practical training (patient supervision, etc.)" 100% of master's students answered excellent. At the same time, 100% of master's students claim that after the end of classes, the teacher provides feedback (listens to your opinion, conducts a mini-questionnaire, works on mistakes).

2.4 Research and Grants

Analysis of educational activities showed that the scientific basis and all scientific achievements in the relevant disciplines are taken into account, additions have been made to the bibliography of the EMCD and syllabuses, and teachers use them in classes.

The educational programme includes scientific foundations and methodology of medical research ("Management, Psychology of Management", 6 credits). During a conversation with master's students, experts learned that they use scientific data in teaching and know the basics of evidence-based medicine. Teachers said that they teach master's students methods of critically assessing literature, articles and scientific data, and the use of scientific developments.

The Research Institute of Preventive Medicine named after Ye.D. Dalenov is actively working to attract funds and other resources from external organizations (mainly non-profit) in order to attract scientific grants. As a result of the work carried out, Agreements were concluded with "Central Asia" LLP for the implementation of the project "Scientific substantiation of the effectiveness of the use of nutraceuticals in alimentary-dependent diseases (Agreement No. D-2023/3329 dated 04.12.2023, Additional Agreement No. 1 dated 15.01.2024) and "Siberian Health Astana" LLP for the implementation of a project on joint cooperation in training independent partners of the company (Agreement No. 19-ED-583 dated 12.11.2024). A Memorandum was also concluded with the Public Foundation "Public Charity Foundation "Kasietti Zhol" (No. 19-D-727 dated 20.03.2024) for the implementation of joint social and charitable projects to promote a healthy lifestyle culture among Kazakhstanis.

While surveying master's students, it was found that the university has access to students' participation in research work and 100% of people are completely satisfied with this. Master's students

should be engaged in R&D and in response to the questionnaire, 100% wrote that they are already engaged in R&D.

2.5 Structure and duration of the programme

The duration of training in EP 7M10131 - "Gerontology" is 1 year of study with the mastery of disciplines with a total volume of 60 credits (<https://amu.edu.kz/upload/iblock/666/666fe49a7ff44a3c82b8cf023e316aac.pdf>). The academic year begins in September and ends in June. At the same time, during one semester, a student masters at least 30 academic credits (one academic credit corresponds to 30 academic hours). Training in the master's program is carried out only in full-time form.

According to the approved EP, theoretical training includes both basic disciplines and specialized disciplines. In turn, basic and specialized disciplines contain a university component and optional components. The cycle of basic disciplines (BD) includes a university component (UC): foreign language (professional), management, management psychology - 6 credits, and an elective component (EC): Age-related features of organs and systems - 4 credits.

The cycle of major disciplines (MD) includes a university component (UC) - Gerontopsychology and social adaptation, Geriatrics) - 10 credits, and an elective component (EC): Rehabilitation of elderly and senile patients, Features of nutrition of elderly and senile people, Gerohygiene (features of care for elderly and senile people) (the last two are combined into the module "Preventive Gerontology") - 10 credits. The cycle of the MD, EC also includes industrial practice - 5 credits. The experimental research work of the master's student is 13 credits, and the final certification is 12 credits. 23.3% of the EP contains elective component disciplines that allow future master's students to choose the focus of their specialization and gain knowledge of modern concepts and theories in the field of gerontology. While developing the master's programme, the developers relied on professional literature, including their own scientific experience.

Elective components are based on the demand in the labour market, the needs of students and modern scientific achievements. The EP contains elective component disciplines that allow future master's students to choose the focus of their specialization and gain knowledge of modern concepts and theories in the field of gerontology.

The programme describes approaches to formative (current) and summative (final) assessment of the master's student. Feedback from master's students is conducted regularly and includes the following questions: effectiveness of teaching, use of innovative teaching methods, satisfaction with the educational process, provision of feedback; how relevant are the topics taught. A survey of master's students has not yet been conducted for this specialty.

Upon completion of training, a master's student is awarded a diploma and the qualification of Master of Health care in the educational programme 7M10131 "Gerontology", which corresponds to level 7 of the European Qualifications Framework, the requirements for completing the programme.

The procedure for extending and interrupting studies is described in the Academic Policy. This was not used during the reporting period.

For the successful implementation of the educational programme in the specialty 7M10131 "Gerontology", the organization has resources to organize the assessment of the practical skills of master's students (All information on the assessment policy, assessment methods, including assessment criteria, exam passing criteria, weight and criteria for student progress, the appeal procedure, the number of permitted retakes and the conditions for retaking the exam are contained in the "Academic Policy").

Practical training of master's students is carried out in the conditions of the Research Institute of Preventive Nutrition and Nutrition named after Academician Ye.D. Dalenov, with which memorandums of cooperation have been signed (2.4). This guarantees that master's students acquire skills in various aspects (research, supervision, examination, management) of the selected area of healthcare.

2.6 The process of developing an educational programme

The management of the educational process, reflected in the self-assessment report (Standard 2) and general approaches to management were confirmed during a visit to the Research Institute of Preventive Nutrition and Nutrition named after Academician Ye.D. Dalenov, the Centre for the Formation of a Healthy Lifestyle at the Hospital of the Medical Centre of the Presidential Administration of the Republic of Kazakhstan, and the Centre for Active Longevity of the Saryarka District of Astana. At the same time, verification of Standard 2 showed that the accredited educational programme is being implemented according to the approved plan.

The experts got acquainted with the work of the departments and councils involved in the development of the educational programme of the master's degree 7M10131 "Gerontology", including the programme implementers. A total of 5 meetings were held and cross-interviews revealed that all stakeholders took part in the development of this educational programme, and their opinions were fully taken into account (both employers and students).

The process of developing an educational programme includes an assessment of the need for specialists (for example, the need for graduates of the program 7M10131 "Gerontology" is available from the employment department), and the cost of training is 1,700,000 tenge.

The master's programme was developed and approved by the Research Institute of Preventive Medicine named after Academician Ye. Dalenov of the NJSC "AMU" (Protocol No. 5 dated November 21, 2023). The master's program was reviewed by Benberin V.V., MD, Professor, Head of the Gerontology Centre of the RSE on the REM "Hospital of the Medical Centre of the Presidential Administration of the Republic of Kazakhstan", Academician of the National Academy of Sciences of the Republic of Kazakhstan, Chief Gerontologist of the Ministry of Health of the Republic of Kazakhstan. The reviewer noted that the EP fully complies with training standards and is written at a high level. The content of the EP reveals the essence of current managerial and administrative problems. Thus, the expert analysed the hierarchy and sequence of development and approval of the master's program.

The training of a master's student does not include an internship abroad. While surveying master's students, the need for internships abroad was revealed. According to the master's students, the need for an internship abroad is due to the need to get acquainted with the best practices and exchange experiences.

At the same time, to the question "Do representatives of master's students participate in the development of educational programmes?", the experts received the following answer: students are members of advisory bodies.

The surveyed master's students are completely satisfied with the schedule of classes (100%).

EEC conclusions by criteria. Comply with 21 Standards (including 19 basic, 2 improvement standards): fully - 21.

Standard 3: ASSESSMENT OF MASTER'S STUDENTS

3.1 Assessment methods

NJSC "AMU" has defined the main principles, methods and policy for assessing master's students, which are set out in the following internal regulatory documents: "Academic Policy of MUA" (minutes No. 17 dated 21.08.2024), "Regulations on the current monitoring of academic performance, midterm and final certification of master's students of NJSC "AMU". The documents specify the principles and methods used to assess master's students, including criteria for admission to exams, the number of exams, and the number of permitted retakes. The choice of certain methods for assessing master's students is based on the specifics of the disciplines and depending on the competence/learning outcomes that the discipline forms. The methods and forms of assessment of the final learning outcomes are determined by the educational programme and updated in accordance with the university standard "Model for evaluating educational programmes", approved by the decision of the Board of Directors dated 12.01.2024.

In order for the results of the assessment of master's students to be available to external experts,

they are posted in the automated Platonus system, which is accessible to teachers, students, employees of the Research School, the Registrar's Office, etc.

Teachers enter grades of midterm and end-of-course assessments into the electronic journal in accordance with the instructions "On maintaining an electronic journal of academic performance" RI-AMU-59-22. The final grades of each academic period are displayed in the examination and summary statements generated in the AIS "Platonus". The summary statements are sent to the Research School by the office registrar to record credits for all students. Paper copies signed by the head of the Registrar's Office are stored in the Research School, and electronic statements are in the AIS "Platonus", which is accessible to the employees of the Registrar's Office.

The objectivity and transparency of grades and the process of assigning grades is ensured through the AIS "Platonus".

The study of control and measuring tools (tests, situational tasks, checklists) showed that the university has implemented an appropriate assessment policy that allows for a comprehensive assessment of the academic achievements of master's students. During the interview, master's students talked about the forms of assessment, what the daily assessment during the practical lesson consists of, that they are satisfied with everything. They also receive regular feedback from teachers.

The system of appealing the assessment results is reflected in the document "Academic Policy" and during the period of work of the educational organization there have been no precedents of appeal.

To verify the Standard 3 data, the experts asked the head of the postgraduate education department questions: how is the academic performance of master's students monitored, are current grades assigned daily? and checked the documents and methods for assessing master's students. To implement the procedures for monitoring academic performance and midterm assessment of students, departments create control and measuring tools (CMT). CMT allows assessing the degree of achievement of the learning outcomes planned in the educational programme and the level of development of competencies. When developing assessment methods and formats, such criteria as validity, reliability, acceptability and effectiveness are taken into account. They are formed on the basis of key assessment principles: validity, reliability, objectivity.

The end-of-course assessment (examination) is conducted after the completion of the discipline study during the examination session (midterm assessment) in accordance with the working curriculum and the academic calendar. The learning outcomes of master's students are assessed during practical classes by assigning grades in the Platonus AIS. CMT are available for all disciplines provided in the EMCD. The control and measuring tools are reviewed by internal experts. The heads of departments responded that additions and updates to the CMT are planned to be made annually when updating the syllabuses.

3.2 Assessment System

The assessment of academic skills corresponds to the master's degree level, since such teaching methods as utility are used, which includes validity, reliability, acceptability and efficiency. The developed assessment criteria are valid (the assessment objects correspond to the set goals of the academic discipline); developing (they allow us to record what students can do and how they can improve their results); fair (all students have equal opportunities to succeed); reliable (uses consistent, agreed criteria or standards); effective (achievable but not time-consuming for teachers and students); timely (continuous feedback).

The assessment methods and results avoid conflicts of interest because they are based on the following important principles: - planned: analysis and assessment are not carried out spontaneously, but in compliance with a certain plan (according to the calendar-thematic plan of disciplines); systematicity and systematization: analysis and assessment must correspond to the structural components of the content of the material being studied and be constant (rating system); objectivity, which is ensured by a 100-point assessment (there are criteria for each assessment); openness and transparency: students know their grades, which stimulates them to increase their activity; taking into account the individual capabilities of each student: knowledge, skills, and abilities of each student are

tested; unity of requirements: taking into account national standards for the content of education in accordance with the qualification characteristics of the EP.

The assessment system for master's students includes the principles of anti-plagiarism and academic honesty (academic policy of NJSC "AMU" P-AMU-17-24), which includes the Rights and obligations of participants in the educational process within the framework of academic honesty, as well as the responsibility of participants in the educational process. To ensure transparency and fairness in assessing students' knowledge, the university has a structural unit called the Educational Process Quality Audit Group. It is responsible for organizing independent examinations, centralizing final control in all disciplines in accordance with the established exam schedule

Experts inspected the resources for organizing the assessment of knowledge and practical skills, namely, the Platonus AIS.

The interviewed employer representatives also pointed out the compliance of graduates' training with the modern development of medical practice and science, since, according to them, the university is a "forge of personnel" for practical healthcare. Employers believe that they would like to see the strongest skills in graduates of the master's degree program, who are able to comprehensively solve problems in the field of biological safety and control, ensure conditions for biological safety of the population and individual components of the environment.

At the same time, there are difficulties in developing control and measuring tools, including solving applied problems.

3.3 Feedback from Master's students

Experts received information that each Master's student provides feedback through individual and detailed written feedback after formative and summative assessments. Feedback questionnaires for Master's students have been developed, and surveys are conducted regularly after completing each discipline. Monitoring the achievement of final results by students allows at all levels: department, QOC, AC, US, vice-rector for academic activities, to analyse the survey results, identify strengths and weaknesses, and take appropriate measures to improve the educational process.

3.4 Quality assurance of the assessment system

The organization evaluates the reliability and validity of assessment methods using developed and approved assessment criteria.

During a visit to the university, the management was asked the question: "Are external examiners involved in order to improve the fairness, quality and transparency of the assessment process?" And the answer was received that external examiners are involved in the final state certification.

While interviewing 25 teachers regarding assessment methods, experts received convincing information that the transparency of assessment is observed. Master's students also shared their opinions on the timeliness of providing tests, conducting consultations before exams, the clarity of the entire assessment procedure and its fairness. For example, master's students said that teachers are always available for consultations, even outside the approved schedule.

EEC conclusions by criteria correspond to 10 basic standards: fully - 10, partially - 0, do not correspond - 0.

Standard 4: MASTER'S STUDENTS

4.1 Admission and selection policy

The organization has a policy for the admission of master's students, which is called "Rules for Admission to the Master's Program" <https://amu.edu.kz/upload/iblock/cc6/cc6b818f460b686171afa18888430eb2.pdf> and includes: requirements for admission to master's programs, the procedure for admission to master's programs, the procedure for conducting entrance examinations, admission in master's programmes. The rules are posted on the university website.

The dean of the Research School - Raisova K.A., the head of the Admissions Committee Zhilkibaeva K.T., the technical secretary of the Admissions Committee for the EP Master's and Doctoral Studies Amerseyitova F.T. spoke about the policy for the admission of master's students. The selection and admission policies fully comply with the current legislation and the University Charter. The admission rules have been approved by the University Board. In 2024, the first admission to the specialized master's program in the specialty 7M10131 "Gerontology" was carried out.

Thus, the experts validated the data according to standard 4. In general, all the criteria are met, at the same time; some shortcomings in terms of career guidance work on recruiting students for this program were identified. The experts familiarized themselves with the documentation for the admission of master's students. The submitted documents were drawn up at the proper level.

Regarding the practice of academic counselling, personal support for master's students and the development of not only professional skills, the experts interviewed the dean of the research school Raisov K.A., who replied that students can contact the head of the research school, the supervising vice-rector and the blog of the Chairman of the Board - Rector on all issues of interest. Each student within the framework of the EP, together with the academic supervisor, draws up an individual work plan, determines the list of elective disciplines. The topic is selected taking into account the relevance of the issues within the research areas of the department.

The experts interviewed teachers regarding the practice of academic counselling, personal support for master's students and the development of not only professional skills. The University has a helpline, which is continuously functioning and is one of the important types of socially significant services. Master's students are included in such advisory bodies as the Academic Council, the Academic Council, the Advisory Committee, at the meetings of which they participate in the monitoring and evaluation of educational programmes by studying and analysing their content, as well as analysing the reports of the results of the survey among students and graduates of the master's program, employers.

4.2 Recruitment of master's students

The university has implemented a policy and process for the admission of master's students based on their previous achievements, the principles of equality and objectivity. The policy and criteria for admission to the University's master's programs are regulated in accordance with: The Law of the Republic of Kazakhstan "On Education"; The Law of the Republic of Kazakhstan "On Science"; By the order of the Ministry of Education and Science of the Republic of Kazakhstan dated October 31, 2018 No. 600 "On approval of the Standard Rules for Admission to Educational Organizations Implementing Educational programmes of Higher and Postgraduate Education" (hereinafter referred to as the Standard Rules for Admission); The current legislation of the Republic of Kazakhstan and local acts of the University. The University has defined and implemented the "Rules for Admission to the Master's Programme"

In 2024, one master's student was admitted to 7M10131 "Gerontology".

The procedure for admitting master's students with disabilities to the master's programme 7M10131 "Gerontology" is carried out in accordance with the Law of the Republic of Kazakhstan dated July 27, 2007 No. 319-III "On Education" observing the principle of accessibility of education at all levels for the population, taking into account the intellectual development, psychophysiological and individual characteristics of each person, the practice of admitting master's students with disabilities is described in accordance with the current laws and regulatory documents of the Republic of

Kazakhstan. Internal LSI regulates inclusive education Regulation on inclusive education 08/31/2023. During the reporting period, master's students with special needs were not accepted.

4.3 Support and counselling for master's students

For any questions, students can contact the head of the IS, the supervising vice-rector and the blog of the Chairman of the Board - Rector. Each student within the framework of the EP, together with the academic supervisor, draws up an individual work plan, determines the list of elective disciplines. The choice of topic is made taking into account the relevance of the problems within the research areas of the department.

All necessary information, including: class schedule, academic calendar, point-rating system, announcements, regulatory documents, a reference book - a master's student's guide is posted on the University website (<https://amu.edu.kz/ru/poslevuzovskoe-obrazovanie/magistratura/magistratura-dlya-obuchayushchikhsya/raspisanie-zanyatiy/>). This ensures equal access of students to the necessary information, regardless of nationality, religion, country of residence, socio-economic status.

The University has created the e-University Service Centre to serve all categories of students, teachers and employees of the University, to optimize and automate processes in the provision of services on the "one office" principle, to minimize corruption risks, and to transfer paper services to electronic format.

The University has a helpline, which operates continuously and is one of the important types of socially significant services.

Other types of support for graduate students include the following: a service for organizing advisory, psychological, social, legal, financial, and medical support for students (instructions for students on career planning and development dated October 31, 2022, regulations on the centre for social and educational work dated July 17, 2024).

During a conversation with graduate students, the experts received evidence that they are provided with academic, financial (including assistance in publications and participation in conferences) and psychological support through the research school.

4.4 Representation of Master's students

Master's students are included in the work of advisory bodies to participate in the development, management and evaluation of educational programmes, as well as other issues related to master's students.

4.5 Requirements for graduates

Requirements for master's students regarding the implementation of the programme (projects, dissertation, practice, portfolio, transcripts, etc.) are described in the document "On training in the master's programme of NJSC "AMU" PL-AMU-121-23". The registration of an individual work plan for a master's student is carried out in accordance with SCES-2-22.

The experts were shown evidence of the development of research and critical analysis skills in master's students during the interview.

4.6 Progress indicators and reasons for lagging

Requirements for the progress of a master's student are described in the individual work plan of each master's student and approved by the dean of the research school. The form of conducting current, midterm and final controls is established by the department depending on the specifics of the discipline, which is subsequently approved by the Academic Council. Current and midterm controls can be conducted in the form of colloquiums, test surveys, written tests, oral surveys, assessment of students' participation in debates, round tables, business games, solving situational problems, etc.

In the presence of academic debt and / or failure to complete the dissertation work within the specified time frame, the university has developed a document "Academic Policy" to anticipate such situations and help the master's student overcome them.

The academic performance of master's students is recorded by the division - public health and management.

EEC conclusions by criteria. Comply with 12 basic standards: fully - 12, partially - 0, do not comply - 0

Standard 5: ACADEMIC STAFF

5.1 Selection policy

Total employees are 8, including full-time teachers 8, part-time teachers 0. The experts are familiar with the university's personnel policy for the selection of faculty, approved by the Board's decision No 21 dated 08.08.2023 <https://amu.edu.kz/upload/iblock/980/980e7a056096531d0d29bbfed5b69ce7.pdf> by order of NJSC "AMU" No. 660-n/k dated 04.07.2024 "On approval of qualification requirements" for the positions of research fellows and Academic staff of departments and research institutes (Annex 1, 2 <https://drive.google.com/drive/folders/1KYx9Pru8dSSStv0MiNlc3COzKh9-WYMAZ>). To ensure the quality of training in the master's program, requirements for personnel are determined in accordance with PL-AMU-121-23 dated 23.06.23 (section 6.6), as well as requirements for scientific supervisors (section 6.7) (https://drive.google.com/drive/folders/1Tjc_5y7agIPRbfMOkYx_rprxMm-ESLrL). The procedure for holding the competition is strictly regulated by the internal Rules for the competitive replacement of positions of faculty and research workers of NJSC "AMU", which are available for review PR-AMU-20-18 (https://drive.google.com/file/d/1zbaFsnLktYRAwD2cCCHv-CK-HM1mryy9/view?usp=drive_link).

External experts received the opinion of teachers on the personnel policy, which includes procedures for hiring, registering, and firing faculty and employees. The interview with the head of the Research Institute of Preventive Medicine named after Academician Ye.D. Dalenov. Abduldaeva A.A. included such questions as how personnel are selected to teach in the specialized master's programme, allowed the experts to learn about the requirements for faculty: an academic degree, academic title, and published scientific papers. Problems in human resource management and development were also identified.

While questioning teachers, it was found that the majority (92%) completely agree with the organization of labour and the workplace at the university, but 4% partially agree, 4% partially disagree. At the university, teachers have the opportunity to engage in scientific work and publish the results of R&D - 84% completely agree, 12% partially agree, 4% - no answer. Satisfied with the work of the HR service - 72% completely agree, 16% - partially agree, 8% - completely dissatisfied, 4% - unsure. Satisfied with the salary - 60% agree, 12% - disagree, 12% - no answer, 16% - more yes than no.

5.2 Personnel Commitments and Development

During the meeting with the head of the HR department and during the interviews with the teachers, the experts received information about the approaches to the development of the pedagogical competence of teachers, motivation to work with master's students, and the implementation of scientific supervision, which includes additional payment for supervising master's students.

The experts received answers about the program for advanced training of teachers, which is held annually. Conducting training and advanced training of the Academic staff at the University is carried out in accordance with the Program for the Development of the Academic Staff of the NJSC "AMU" and the annual plan for advanced training of the teaching staff of the University. All faculty undergo advanced training in the pedagogical area ("Power BI: data analysis and visualization", Preparation and review of scientific articles, etc.) and in the specialty (Methodology of scientific research within the framework of the mandatory component "Research Teacher/Scientist"). These activities are financed by the university. However, there are some problems - not all faculties have undergone training in the specialized area.

Experts have found that teachers initiate research topics for master's students; stimulate the need for additional training and independent work with literature, medical accounting and reporting documentation, and the strategic plan of a medical organization.

The HR department ensures proper monitoring of the activities of teachers through questionnaires. Feedback on issues of satisfaction with the educational process, professional and personal development is carried out twice a year. The responsible department is the HR department.

Teacher satisfaction indicators are improving dynamically.

The university provides opportunities for career growth and development of teachers' competencies - 88% of the surveyed teachers answered that they completely agree, 12% - partially agree with this. The university implements social support programs for teachers - 52% answered that "yes, such programs exist", 4% - "I have already used this", 4% of respondents answered that there are no such programmes, and 36% of respondents do not know about this, 4% - are unsure with the answer.

5.3 Number and qualifications of teaching and management staff

A master's student has a scientific supervisor (mentor) who helps with the completion of the dissertation work.

Training of master's students in the specialty 7M10131 "Gerontology" is carried out by 8 Academic staff, including: 1 doctor of medical sciences, 3 candidates of medical sciences, 2 PhDs and professors, 2 masters (of which 1 has the academic title of professor; 1 associate professor). The ratio "master's student to teacher" is maintained - 1:6.

Teachers of the core disciplines have the necessary qualifications, scientific and pedagogical training to implement the core disciplines of the programme, which is confirmed by their scientific achievements, teaching experience and publication activity (Abduldaeva Aigul Abduldaevna - Candidate of Medical Sciences, Professor, Research Institute of Preventive Medicine named after Academician Ye.D. Dalenov; Doszhanova Gulnur Nurlanovna - PhD in Public Health, Research Institute of Preventive Medicine named after Academician Ye.D. Dalenov; Bukeeva Zhanar Kanalbaevna - Candidate of Medical Sciences, Associate Professor, Research Institute of Preventive Medicine named after Academician Ye.D. Dalenov, Iskakova Saule Akelbekovna - Doctor of Biological Sciences, Research Institute of Preventive Medicine named after Academician Ye.D. Dalenov).

All 4 teachers of the core disciplines are employees of the Research Institute of Preventive Medicine named after Academician Ye.D. Dalenov, do not have clinical specialization in geriatrics and do not conduct clinical work with elderly patients. However, it should be noted that the lack of clinical practice with elderly patients among teachers is not an obstacle to the implementation of core disciplines in the master's degree program. At the same time, special professional competencies No. 2-4 (Standard 1.1.2) and the final learning outcomes in the master's degree program in the specialty 7M10131 "Gerontology" (Standard 2.3.4) No. 3 "is able to organize gerontological and geriatric care" require certain professional competencies of teachers in the field of geriatrics.

Therefore, there is a need to involve practical health care specialists in the implementation of 2 core disciplines "Geriatrics" and "Rehabilitation of elderly and senile patients".

In addition, there is a need to improve the qualifications of teachers of specialized disciplines on current issues of gerontology, active longevity, and aging, since there are no supporting documents on completing training over the past 5 years.

5.4 Administrative support

The measures providing administrative support for graduate students and teachers are described and published, which include trips to conferences, financial assistance for publishing articles in international databases, and payment instalments for graduate students.

EEC conclusions by criteria. Compliance out of 7 basic standards: fully - 5, partially - 2, do not comply - 0. Standard is partially fulfilled.

Recommendations for improvement:

- 1) To involve practical health care specialists in the educational process in the master's degree programme in the specialty 7M10131 "Gerontology";
- 2) To improve the qualifications of teachers teaching at the master's level, taking into account the profile on issues of aging, active longevity, and current issues of gerontology.

Standard 6: EDUCATIONAL RESOURCES AND LEARNING ENVIRONMENT

6.1 Learning environment

A review of the resources showed that they correspond to the goals and objectives of educational activities, for example, the practical bases visited were: public health and management, which have a conference room, classrooms for students, and the employees of the educational organization ensure collegial and ethical relationships with the staff, the management of the practical base to achieve the final results of the master's degree students. The employees, who simultaneously act as teachers and curators (mentors), ensure high-quality training in compliance with ethics and deontology. Before starting the relevant discipline of the educational programme, the master's degree student receives a syllabus from the teacher and knows what skills he should acquire and develop during the training. All conditions for acquiring skills, access to the accounting and reporting documentation of the organization have been created at the practical base.

During a visit to the practice bases, experts examined the resources, their compliance with the training programs, and accessibility for teachers and master's degree students, how modern this equipment is and meets the needs of students and practical health care. The experts obtained evidence of Standard 6 implementation, as well as validation of the self-assessment report data.

There is a library with a collection. The volume of the book collection for the EP 7M10131 "Gerontology" is 2341, of which textbooks and educational literature - 2068 copies, scientific literature - 273 copies, including in the Kazakh language - 528 copies, in Russian - 1559 copies, in English - 254 copies.

In order to validate the implementation of the self-assessment report data and obtain evidence of the quality of the programs, an interview was conducted with master's students in the specialty 7M10131 "Gerontology" (profile direction). The experts asked questions about satisfaction with training, satisfaction with teaching methods and qualifications of teachers, social and moral support for master's students in need of it, the availability of resources of international databases of professional literature. In general, the master's students are satisfied with the training, assessment methods, and purposefully entered the university, as they believe that the university has good resources, image and international connections, at the same time, the master's students would like classes to be more practical with demonstration and honing of skills in the workplace, international events.

The master's students demonstrated their commitment to the university, were active in answering questions from external experts, demonstrated their judgment on the organization of training, assessment of their skills, advisory support, conducting research, financing.

The experts studied the documents of the master's students (IWPM, results of the assessment of master's students).

An interview with 12 teachers, including 12 full-time teachers, showed that there are both successes and problems in the management of education, depending on the specific base (time for maintaining documentation, independent work).

Students have free access to patients at clinical sites and all the conditions for improving their practical skills - 80% of teachers completely agree with this, 12% - partially agree, 8% - were unsure about the answer.

An interview with 12 teachers, including 9 full-time teachers, showed that there are both successes and problems in the management of education, depending on the specific base (admission of master's students to equipment, time for maintaining medical documentation, independent work).

6.2 Information technologies

In order to support the mission of the educational programme, the library provides users with access to its own (electronic library, repository) and subscription databases (hereinafter referred to as DB), under a national license to international databases of full-text resources:

A policy has been implemented that is aimed at the effective use and assessment of information, communication and distance technologies in the training of master's students. It is regulated in the rules of the "Organization of the educational process on distance educational technologies in NJSC "AMU" PR-AMU-35-22". Portals with authorized access are functioning: an information system

designed for planning and automation of the educational process in higher educational institutions with a medical profile, according to the standards of credit technology of education. "Platonus" (pl.amu.kz), electronic library (bibl.amu.kz), Erasmus+ (erasmus.amu.kz.), distance learning platform (dl.amu.kz), Lecturio - online platform for medical education (<https://astanamed.lecturio.com/>), as well as Massive Open Online Courses of NJSC "Astana Medical University" (<https://mook.amu.kz/>), electronic library catalogue (<https://elib.kz/>).

The IT Infrastructure and Information Systems Administration Department operates.

The university territory is provided with the Internet and WI-FI.

The university has 1633 computers, 493 laptops, 14 multimedia departments, 18 multimedia equipment in lecture halls, 60 interactive panels, and interactive whiteboards. The library has 79 computers with Internet access.

For distance learning, there is a developed distance learning system (DLS). To conduct research, write a dissertation, self-study and access the necessary information for master's students, access to international databases is organized, including Web of Science (Clarivate Analytics), Science Direct (Elsevier), Scopus (Elsevier), Springer, Cochrane Library, Wiley Online library, Wiley Researcher Academy, Jaypee digital, "Aknurpress", "IPRSmart", LECTURIO, "Student Consultant", "Doctor Consultant", RMEB and other databases. Also, during the year, test access was provided to online journals of the Cambridge University Press publishing house; to the databases of the international publishing house Primal Pictures, Access Medicine, The BMJ Group, ACS Publications, etc.

NJSC "AMU" has an international peer-reviewed journal, in which all students and employees of NJSC "AMU" can publish their works free of charge <https://medical-journal.kz/index.php/mua>

Implementing the specialized master's programme 7M10131 "Gerontology" of the Research Institute of Preventive Medicine named after Academician Ye.D. Dalenov is actively working to attract funds and other resources from external organizations (mainly non-profit) in order to attract scientific grants. As a result of the work carried out, Agreements were concluded with "Central Asia" LLP for the implementation of the project "Scientific substantiation of the effectiveness of using nutraceuticals in alimentary-dependent diseases (Agreement No. D-2023/3329 dated 04.12.2023, Additional Agreement No. 1 dated 15.01.2024) and "Siberian Health Astana" LLP for the implementation of a project on joint cooperation in training independent partners of the company (Agreement No. 19-ED-583 dated 12.11.2024).

EEC conclusions by criteria. Comply with 4 basic standards: fully - 4, partially - 0, do not comply - 0

Standard 7: MONITORING AND EVALUATION OF THE EDUCATIONAL PROGRAMME

7.1 Mechanisms for monitoring and evaluating the program

There is a programme for monitoring educational activities, including an evaluation of the effectiveness of each educational programme, including 7M10131 "Gerontology". It is aimed at interdisciplinary connections and a competence-oriented approach using technologies, taking into account the final learning outcomes. The mechanisms for evaluating the master's programme at NJSC "AMU" include the following: monitoring the availability of resources for the educational process (clinical sites, educational literature, classrooms, equipment, teaching staff: teachers, clinical mentors, curators); monitoring the compliance of curricula with the requirements of state educational standards; monitoring feedback from stakeholders on the quality of the content of the educational programme; monitoring student performance.

The university has developed a procedure for approving and periodically reviewing the content of educational programmes at all levels, including master's programmes.

The evaluation of the content of the educational programme is supported by the following stages: compliance with the procedure for developing the educational programme; review of the educational programme by competent persons; timely revision of the educational programme, taking into account suggestions and comments formulated by employers and other stakeholders; broad discussion of the

educational programme; adoption of recommendations for approval; compliance with the procedure for approving the educational programme.

The evaluation of the content of the educational programme of the master's degree, teaching methods, assessment is carried out on the basis of feedback from graduate students, department staff and other stakeholders, as well as within the framework of the work of the QC of the master's and doctoral programmes. Educational programmes undergo the procedure of annual evaluation of the quality of implementation at a meeting of the department, with the participation of the faculty of the department, students and employers.

Analysis of feedback from graduate students, carried out at the end of the academic year, allows us to evaluate the quality of the training provided, to identify the positive and negative aspects of the implemented master's programmes, for subsequent decision-making regarding its improvement. The quality of the content of educational programmes is assessed based on the analysis of curricula, a catalogue of elective disciplines, a schedule, teaching and methodological complexes, internal regulatory documents governing the implementation of educational programmes, a survey of students and employers.

Timely and systematic adjustments to the master's degree programmes help maintain their relevance. Systematic revision and supplementation of the lists of specialized, elective and practice-oriented disciplines, modules and practices developed at the university also maintains the relevant content of the educational programmes of the master's degree. The basis of the implemented courses is the learning outcomes according to the current State Educational Standard.

The content of the control and measuring tools (tests, checklists) is also subject to examination for compliance with the requirements for the content of educational programmes and the State Compulsory Educational Standard. The scientific supervisors monitor the semi-annual and annual reports of the master's student and monitor the implementation of scientific work, according to the planned individual plan of the master's student. The end-of-course assessment and defence of master's dissertations is carried out by the State Attestation Commission, which includes the chairman, members of the commission, including independent experts from other universities and the secretary.

The program is consistent with the mission of the university, and is aimed at satisfying the interests of consumers and meeting the needs of employers. The schedule of classes according to the educational programme, WCs is drawn up by the Research School and agreed with the heads of departments in order to avoid overlaps among teachers.

Supervisors have the opportunity to participate in the organization of the specialty curriculum during direct discussion and approval of work programs and the list of elective disciplines at department and Academic Council meetings.

Master's students can orally or in writing contact the supervisor or supervising vice-rector on issues of the quality of the educational programme on the implementation of the curriculum. The results of the feedback from students influence the organization and implementation of the educational programme (choice of elective disciplines, teaching staff, educational facilities, etc.).

7.2 Feedback from teachers and master's students

The University collects, analyses and provides teachers and master's students with feedback on the quality of the implementation of the educational programme. This process is carried out by various structural divisions, departments and departments also conduct monitoring by conducting a survey in order to identify the level of satisfaction with the educational programme of the university community members.

Feedback is collected regularly after each discipline.

7.3 Activities of Master's students and graduates

During interviews with graduates of the master's program, experts learned that in general, master's programs are implemented at the university at the proper level, many graduates of the master's program plan to continue their studies in doctoral studies.

The results of the analysis of the activities of master's students (academic performance, defence

of dissertations) are provided by the Department of Public Health and Management, the Research School and the QAC of master's and doctoral studies, which are responsible for the admission of master's students, the development of the educational programme, and consulting master's students.

As part of the study of the educational needs and satisfaction of students in the educational programme "Gerontology" at the Research Institute of Preventive Medicine named after Academician Ye.D. Dalenov NJSC "AMU", a survey of master's students was conducted https://drive.google.com/file/d/1qFhelFiPOeySAwDYajCijNE_PTFVpg0Z/view?usp=drive_link. The purpose of the survey was to identify the level of satisfaction with the educational process, assess the quality of teaching, and determine the need for additional educational and practical modules.

At NJSC "AMU", there are benefits for paid master's students in accordance with the regulation on the provision of benefits for tuition fees PL-AMU-61-02-24.

There is a personal scholarship in accordance with the regulation on the scholarship named after S.Z. Kairbekova NJSC "AMU" PL-AMU-61-01-24, which can be received by all students who meet the requirements of this regulation.

Interviews with 5 employers were conducted online and included questions such as: knowledge of the university mission, participation in developing the mission and proposals for the strategic plan, participation in the work of advisory bodies, satisfaction with the basic knowledge and skills of master's students, participation in training master's students through mentoring, providing the department and master's students with the necessary resources for practical training and the development of clinical thinking, problems of interaction with departments and universities in general, 100% employment of master's graduates.

EEC conclusions by criteria. Comply with 8 basic standards: fully - 8, partially - 0, do not comply - 0

Standard 8: MANAGEMENT AND ADMINISTRATION

8.1 Management (supervising vice-rector's office)

According to the Organizational structure of NJSC "AMU" <https://amu.edu.kz/upload/images/struktura-012024.jpg> general management, monitoring and control of the implementation of master's programs is carried out by the Research School, which is supervised by the Member of the Board, Vice-Rector for Research and Strategic Development. He is accountable to the Chairman of the Board - Rector. During the visit to the university, we had an interview with the Vice-Rector of the MBA of the Higher School of Public Health Saidangazin D.D., Dean of the Research School Raisova K.A. All processes of education management in the master's program 7M10131 "Gerontology" are regulated and described in the "Academic Policy", in the "Regulations on training in the master's programme" <https://amu.edu.kz/upload/iblock/e35/e35cbf90ba682b2ef2e7e16b121b430f.pdf>.

8.2 Programme Manager (Dean's Office/Department)

The Department of Master's and Doctoral Studies is a subdivision that is part of the organizational structure of the university (approved on March 29, 2024). The Department of Master's and Doctoral Studies reports to the Vice-Rector for Scientific and Clinical Work and closely interacts with all structural divisions. The functions in relation to the master's program are: planning recruitment to the master's program for the new academic year; admission of master's students for training; consulting master's students on issues of the educational process (meetings, individual consultations, etc.); organizing self-government at the master's level; sending a master's student for training under academic mobility; providing the Educational Department with information on the contingent of master's students; drafting Orders on the process of training master's students; organizing internships for master's students; organizing midterm and final certification of master's students; conducting audits and inspections of master's departments for attendance of classes by master's students. The

effectiveness of the dean's office is evaluated based on the indicators of scientific activity of the Academic staff and students.

The Internal Audit Service of NJSC “AMU”, in accordance with the approved Internal Audit Rules, is also a structural unit that, through its activity, ensures the transparency of management processes in NJSC “AMU”, including those related to the training of master's students 7M10131 “Gerontology” of the specialized direction.

Transparency of management processes at the level of teachers, administrative staff, and students themselves in NJSC "AMU" are enshrined in the "Code of Academic Integrity" K-AMUA-01-24 protocol No. 18 dated August 23, 2024. <https://amu.edu.kz/upload/iblock/5b8/5b8cc2228de54f42bb56dd034756f98c.pdf>.

To the question in the questionnaire "Do the organization's managers listen to your opinion regarding issues related to the educational process, research, and clinical work?", 91.67% of teachers answered that they do so systematically, 8.33% answered "sometimes".

8.3 Academic Management (Department)

The organization of the educational process in the Master's programme is carried out by the Research School together with the Centre for Planning and Development of Academic Affairs, the Centre for Monitoring and Accounting of Students, the Centre for Transfer of Educational Technologies, the Office of the Registrar, and the responsible and profiling department of the Research Institute.

The Master's programme in the specialty 7M10131 "Gerontology" is implemented on the basis of the Research Institute of Preventive Medicine named after Academician Ye.D Dalenov of the NJSC “AMU” with a staff of 8 people, the degree rate of 75%. Reviews of the Research Institute of Preventive Medicine named after Academician Ye.D. Dalenov of the NJSC “AMU” are positive, both from students and from employers and graduates of other educational programmes.

8.4 Programme Management

Academic leaders (programme managers) are full-time employees of the Research Institute of Preventive Medicine named after Academician Ye.D. Dalenov of the NJSC “AMU”. The staff has the appropriate qualifications, of the 8 full-time teachers: 1 Doctor of Medical Sciences, 3 Candidates of Medical Sciences, 2 PhD, 2 Masters (of which 1 has the academic title of Professor; 1 Associate Professor).

In their work, they are guided by the "Academic Policy" and job descriptions approved by the faculty. The main function of this unit is to develop the educational programme and implement it, assess the compliance of the tools for assessing the achievements of master's students in the specialized field with the established learning objectives and analyse the degree to which students achieve the final learning outcomes.

8.5 Budget for training and resource allocation

The main sources of formation of financial resources for the educational process at the university are: funds from the republican budget; funds from the provision of educational and other paid services; other receipts.

Every year, a commission headed by the Chairman of the Board - Rector visits departments in order to determine the provision of material and technical equipment, classrooms, and working conditions. Management and use of resources is administered by the Chairman of the Board - the Rector of the University.

Distribution of financial resources is carried out in accordance with approved plans developed on the basis of a thorough analysis of areas of activity and structural divisions, as well as on the basis of limits, norms and standards, based on the need and availability of material resources in these areas.

In order to ensure transparency of the budget formation process, the university operates on the principle of centralized distribution of financial resources and formation of material assets.

In this regard, departments annually make applications for the purchase of equipment and consumables, taking into account the need to update the material and technical base for inclusion in the development plan for the upcoming financial year.

Over the past 5 years, the University has continuously allocated funds to replenish the fund of educational literature, and computer equipment and medical equipment are purchased annually.

The cost of tuition for one master's student on a contractual basis is approved by the university annually in the context of the EP in agreement with the Ministry of Health of the Republic of Kazakhstan within the average costs of training, by groups of specialties determined by the relevant Government resolution for the academic year. For the 2023-2024 academic year, the cost of tuition in the specialized master's program was 1,120,000 tenge. The terms of payment and the amount are specified in a bilateral agreement.

8.6 Administration

The head of the EP 7M10131 "Gerontology" is the director of the Research Institute of Preventive Medicine named after Academician Ye.D Dalenov of the NJSC "AMU", Professor Abduldaeva Aigul Abduldaevna.

Information on the professional training and professional experience of the administrative staff is posted in the relevant sections of the university website, reflecting the organizational structure of the NJSC "AMU".

The rights, responsibilities and functional list of the supreme bodies of the University are regulated by the Charter of the NJSC "AMU". The boundaries of responsibility and management in relation to the design of the educational programme and its various components are determined within the framework of the following documents: Regulations on the Master's programme, regulations on structural divisions.

Monitoring of the accredited programme is carried out according to the Procedure for evaluating satisfaction by surveying students after each completed discipline, and then the responsible faculty members for the programme analyse the results of the surveys.

During a visit to the practical base (Research Institute of Preventive Medicine named after Academician Ye.D. Dalenov of the NJSC "AMU"), the experts, the head and teachers provided all the information about conducting classes at this base. The experts got acquainted with the classrooms, conference hall, and laboratories.

8.7 Requirements and legal documentation

Much attention in NJSC "AMU" is paid to guaranteeing the transparency of all educational processes in the master's programmes, including 7M10131 "Gerontology". All information concerning the master's processes is compiled in the "Academic Policy". All information is presented on the university website <https://amu.edu.kz/>. The immediate procedure for operational support of the educational and scientific process of the master's program in the specialized direction 7M10131 - Gerontology is regulated by the Regulation on the master's program, which defines the powers and responsibilities of each of the structural divisions involved in the implementation and improvement of the corresponding educational programme.

8.8 Review and approval process

A documented process for planning, discussing and updating the educational programme in the specialty 7M10131 "Gerontology" has been introduced, responsibility for which lies with the head of the EP - the director of the Research Institute of Preventive Medicine named after Academician E.D. Dalenov of NJSC "AMU", everything is recorded in the minutes.

The educational programme is updated as regulatory and legal documents (SCES) change, as well as proposals are received from both students and employers.

Documentation of joint activities with other educational organizations is carried out through the conclusion of memorandums and cooperation agreements. A total of 20 agreements have been concluded with republican institutions and 90 agreements with foreign organizations and associations. In particular, the master's program in the specialty 7M10131 "Gerontology" is implemented in cooperation with republican organizations: Hospital of the Presidential Administration of the Republic of Kazakhstan; foreign organizations: Peoples' Friendship University of Russia, Russian Federation; Bashkir State Medical University, Tashkent Pharmaceutical Institute, Tashkent, Republic of Uzbekistan; Azerbaijan Medical University, Baku, Azerbaijan; Lithuanian University of Health

Sciences; Hyundai Hospital at Chung Ang University, South Korea; International Higher School of Medicine, Bishkek, Kyrgyzstan, Charles University, Faculty of Medicine, Pilsen, Czech Republic, etc.

The main foreign partner is the Russian National Research Medical University named after N.I. Pirogov, Moscow.

Admission of master's students to the NJSC "Astana Medical University" is carried out on the basis of the "Rules for Admission to the Master's Programme" <https://amu.edu.kz/upload/iblock/4bb/4bbba898e45999c1018e338e61d50301.pdf>. Admission of an applicant in the master's programme for free education is carried out after successful completion of comprehensive testing (CT), which received a certificate equal to 150 points <https://amu.edu.kz/upload/iblock/5e3/5e3874618db295b6e6decf7d9243b0bf.pdf>.

8.9 Financing

The University has financial stability, training in the specialty 7M10131 "Gerontology" is implemented on a fee-paying basis (the cost of training is 1,120,000 tenge per year). Currently, 1 master's student is studying on a fee-paying basis. The sources of funding are medical and scientific activities: paid medical and educational services, implementation of scientific and technical programs of the Ministry of Health of the Republic of Kazakhstan and the Ministry of Health and Higher Education.

The salary fund of master's degree teachers is 8,411,278,510 tenge per year. The average salary of a teacher is 504,273.29 tenge. The salary of teachers is growing dynamically. The costs of purchasing equipment and replenishing the library collection in 2024 amounted to: medical equipment 265,523,000 tenge, visual aids 67,617,000 tenge, educational literature 347,012,000 tenge.

NJSC "AMU" annually allocates a budget for intra-university grants. According to the Regulation on intra-university grant financing PL-AMU-167-23 "Projects submitted by employees and students of the University are allowed to participate in the competition.", an annual competition is held among students and employees of the University for intra-university grant financing of projects https://drive.google.com/drive/folders/10L-J007YKMqugjVyC7IAxFIYcyzmU_wU.

There is a personal scholarship in accordance with the regulations on the scholarship named after S.Z. Kairbekova NJSC "AMU" PL-AMU-61-01-24 which can be received by all students, including master's students.

Every year, the Centre for the Development of Scientific Research Activities includes financial expenses for participation in international, republican conferences in the University's development plan by collecting applications from master's students.

8.10 Financial management and honesty

Management of the financial and economic policy and activities of NJSC "AMU" is the responsibility of the first head of the university – the rector. Financial issues are under the jurisdiction of the director of the financial work department and the chief accountant of the university, whose job responsibilities and powers are established by the job description and the Regulation on the financial work department.

The implementation of master's degree programs is supported by the salary fund of master's degree teachers, provision of students with educational resources (educational and scientific literature, access to the Internet and international information databases of literature, information and communication technologies). The University operates on the principle of centralized distribution of financial resources and formation of material assets. Distribution of financial resources is carried out in accordance with the approved form of the financial and economic activity plan for the current year.

The report on the financial, economic and economic activities of the University for the Year and long-term work plans for the next year is heard at the Academic Council of the University.

8.11 Information about the programme

Full information about the educational programme is available at the Research Institute of Preventive Medicine named after Academician Ye.D. Dalenov of the NJSC "AMU" and is posted on the university website <https://amu.edu.kz/ru/poslevuzovskoe-obrazovanie/magistratura/magistratura-dlya-obuchayushchikhsya/>, to be accessible to interested parties. There are various communication

channels, including a website, social networks (Facebook, Instagram), leaflets and brochures containing reference information have been developed.

The website in four languages in the Admissions Committee section contains information for admission to the Master's programme. The section for students - Master's students contains a schedule, regulatory documents that regulate the educational process in the Master's programme, lists, information about practice, the Catalogue of Elective Disciplines, etc.

EEC conclusions by criteria. Compliant with 19 basic standards: fully - 19, partially - 0, do not comply - 0

Standard 9: CONTINUOUS RENEWAL

The University initiates regular review procedures in the form of internal audits and external evaluations (accreditation, audits). Internal assessment is carried out by the Educational Process Quality Audit Group (EPQAG) as part of self-assessment, the quality assurance policy is regulated by the Education Quality Assurance Policy (minutes No. 27 of December 2024). Responsible unit is Quality Assurance Committees (QAC).

Monitoring and periodic evaluation of the educational programmes are carried out in accordance with the University Standard "Model for Evaluating the Educational programme" SU-AMU-82-23, which was approved by the decision of the Board, protocol No. 3 dated January 12, 2024 <https://amu.edu.kz/upload/iblock/55c/55c320715fe3d1d07d346831a2d42a07.pdf>.

Based on the results of the self-assessment of the educational programme of the master's degree 7M10131 "Gerontology", areas for improvement were identified - attracting more applicants to study, including at the expense of their own funds; expanding the research base for conducting research in the field of gerontology, including through internal and external funding.

The following opportunities for improving the educational programme were identified: visits from leading scientists and specialists; expanding the range of innovative teaching methods and opportunities for academic mobility of master's students; strengthening ties with employers, healthcare organizations to improve the quality of educational programmes; creation of teaching continuity and development of each teacher according to their needs and capabilities; attraction of young specialists; improvement of monitoring and evaluation of the EP in accordance with the needs of employers; further strategic partnership with practical healthcare to develop a competency model of a graduate of the specialty, development and implementation of the EP based on feedback; expansion of cooperation with strategic partners of the university and the research base for conducting research in the field of public health, including through internal and external funding.

Taking into account that the educational programme of the master's degree in the specialty 7M10131 "Gerontology" is being implemented by NJSC "AMU" for the first time in the Republic of Kazakhstan, the best practice in this field and the exchange of experience with foreign universities are important. Therefore, it is necessary to develop international cooperation in the field of gerontology. For continuous improvement of the educational programme of the master's degree program in the specialty 7M10131 "Gerontology", the optimal types of cooperation at the international level can be foreign internships of master's students, academic mobility of teachers of specialized disciplines, as well as the implementation of visiting programs for the exchange of experience in the field of gerontology and the development of joint educational programmes.

Foreign internships and / or visiting programs for the exchange of experience will allow master's students to receive consultations from leading scientists when conducting research, conduct an in-depth analysis of the problem being studied and obtain optimal results, as well as find new prospects for their research. In addition, the need for foreign internships was indicated by the master's students themselves during interviews with experts.

Academic mobility of teachers of specialized disciplines, development of joint educational programmes will contribute to the formation of professional and special competencies of master's

students (specified in standard 1.1.2) and achievement of the final learning outcomes in the master's programme in the specialty 7M10131 "Gerontology" (specified in standard 2.3.4).

The organizational structure of the university was updated in 2024.

Based on the results of external and internal evaluations, a programme of corrective measures is developed. Responsibility for implementation lies with the head of the Research Institute of Preventive Medicine named after Academician Ye.D. Dalenov of the NJSC "AMU" The results of such studies are publications.

Risk assessment in the educational process is carried out by a risk manager, whose tasks include identifying and managing risks and minimizing risks in the educational process, the risk manager reports directly to the rector.

Risk assessment in the educational process is carried out through identification, monitoring and analysis of risks, as well as planning and implementing preventive actions. A risk register and a risk management map of the University are formed, which include risks for all processes of the University's activities, the tasks of which include identifying and managing risks and minimizing risks, including risks in the educational process. With regard to the master's program, the risks of the EP content, EP management, EP implementation process are determined in accordance with Section 6 of SU-AMU-82-23, approved on 12.01.24, as well as the risks of a decrease in the number of applicants for master's programs, late payment for tuition, the presence of high-quality Academic staff, the presence of automated systems for providing educational technology for teaching, digital educational resources, etc. Risk management work is carried out by improving the quality of teaching, the qualifications of the teaching staff, the introduction of new interactive technologies to raise the University's rating in a competitive environment, the introduction of information and innovative digital technologies and educational projects, providing students with high-quality learning conditions, providing educational and laboratory, material and technical base, equipment, library funds, etc. The University conducts benchmarking and includes such leading universities, both near and far abroad, as well as universities of the Republic of Kazakhstan. As a result of benchmarking, innovative methods of managing the educational process, managing the educational programme of the Master's degree, teaching methods, methods of assessing Master's students, and research work have been introduced into the educational process. The University allocates resources for continuous improvement, which is documented in the strategic plan for the development of the University for 2022-2026 and in the financial plan (budget) for 2024.

The University has created standards for the work of departments and the efficiency of departments with a system for assessing the effectiveness of departments and material and non-material ways of motivating them. It should be noted that individual assessments of the achievements and effectiveness of the teaching staff according to the efficiency system are not calculated. This affects the motivation of employees in general, especially for effective employees who will be included in the "ineffective departments" according to the results of calculating the efficiency. One of the ways to eliminate this undesirable factor may be the introduction of an individual calculation of the KPI for the Academic staff, along with the assessment of the effectiveness of the university departments.

EEC conclusions by criteria. Of the 4 basic standards, 3 comply fully, 1 partially, 0 do not comply.

Recommendations for improvement:

- 1) To introduce foreign internships, academic mobility, and visits.
- 2) To develop joint educational programmes.
- 3) To introduce an individual calculation of the KPI for the Academic staff.

CONCLUSION:

During the external evaluation of the educational programme, it was found that out of **90 standards** (including 88 basic standards and 2 improvement standards), 88 standards for accreditation demonstrate full compliance, including 86 basic Standards and 2 improvement Standards. 2 basic Standards and 0 improvement standards are partially met. No non-compliance with the standards was found.

5. Recommendations for improvement of the educational programme 7M10131 "Gerontology":

- 1) To involve practical healthcare specialists in the educational process in the master's programme in the specialty 7M10131 "Gerontology" (Standard 5: Academic staff);
- 2) To improve the qualifications of teachers teaching at the master's level taking into account the profile on aging, active longevity and current issues of gerontology (Standard 5: Academic staff);
- 3) To introduce foreign internships, academic mobility, visits (Standard 9: Continuous Renewal);
- 4) To introduce individual calculation of KPI for teachers of master's programmes (Standard 9: Continuous Renewal).

6. Recommendation to the ECAQA Accreditation Council

The members of the EEC established the compliance of the educational programme of the master's degree 7M10131 "Gerontology" with the ECAQA Standards for accreditation and came to a unanimous opinion to recommend that the ECAQA Accreditation Council to accredit this program for a period of 5 years.

	Full name	Signature
Chairman of the EEC	Serikova-Yesengeldina Dinara Serikovna	
International Expert (online)	Isaeva Natalia Viktorovna	
Academic Expert	Yeshmanova Ainur Kairkenovna	
Academic Expert	Maukaeva Saule Boranbaevna	
Employer Expert	Aushakhmetova Zabira Tezekbaevna	
Student Expert	Arkhatova Gaukhar	

Профиль качества и критерии внешней оценки по стандартам аккредитации образовательной программы магистратуры по специальности 7М10131 «Геронтология»

стандарт	Критерии оценки	БС/СУ*	Всего стандартов	Оценка		
				Полностью соответствует	Частично соответствует	Не соответствует
1	МИССИЯ И КОНЕЧНЫЕ РЕЗУЛЬТАТЫ	5/0	5	5/0		
2	ОБРАЗОВАТЕЛЬНЫЕ ПРОГРАММЫ	19/2	21	19/2		
3	ОЦЕНКА МАГИСТРАНТОВ	10/0	10	10/0		
4	МАГИСТРАНТЫ	12/0	12	12/0		
5	АКАДЕМИЧЕСКИЙ ШТАТ	7/0	7	6/0	1/0	
6	ОБРАЗОВАТЕЛЬНЫЕ РЕСУРСЫ, СРЕДА ОБУЧЕНИЯ, ДОСТИЖЕНИЯ	4/0	4	4/0		
7	МОНИТОРИНГ И ОЦЕНКА ОБРАЗОВАТЕЛЬНОЙ ПРОГРАММЫ	8/0	8	8/0		
8	УПРАВЛЕНИЕ И АДМИНИСТРИРОВАНИЕ	19/0	19	19/0		
9	НЕПРЕРЫВНОЕ УЛУЧШЕНИЕ	4/0	4	3/0	1/0	
	Итого	88/2	90	86/2	2/0	

Список документов, изученных членами ВЭК в рамках проведения внешней оценки образовательной программы магистратуры 7М10131 «Геронтология»

№	Наименования документов	Количество
1.	Договора о совместной деятельности с Центром формирования здорового образа жизни при Больнице Медицинского центра Управления делами Президента РК (№522-Д152 от 05.04.2022г), с Центром активного долголетия Сарыаркинского района г.Астаны (№19-Д-480 от 27.06.2023г)	2
2.	Выписка из протокола кафедры об утверждении ОП	1
3.	Протокол КОК	2
4.	Протокол УС	1
5.	ОП 7М10131 «Геронтология»	1
6.	Рецензии на ОП 7М10131 «Геронтология»	1
7.	Силлабус 7М10131 «Геронтология»	1
8.	Академическая мобильность	1
9.	Академическая политика	1
10.	Кодекс академической честности	1
11.	Standard планирования учебного процесса в НАО МУА	1
12.	Standard «ОП, разработка и обновление»	1
13.	Standard о проведении промежуточной и итоговой аттестации в НАО МУА	1
14.	Рабочая инструкция по ведению электронного журнала	1
15.	Отчет по самооценке	1
16.	Сертификаты магистрантов	1
17.	Положение об обучении в магистратуре	1
18.	Консультанты по магистрантам	1
19.	Состав КОК	1
20.	Научный потенциал	1
21.	Показатели научной деятельности	1
22.	Положение о кадровом резерве	1
23.	О рейтинге ППС	1
24.	Конкурс замещения вакансий	1
25.	Кадровая политика	1
26.	Положение о плагиате	1
27.	Положения об использовании автоматизированной системы для обнаружения плагиата и проверки текстов на заимствование	1
28.	Управление процессом отбора и приема обучающихся в магистратуру	1
29.	Правилах приема в магистратуру НАО «Медицинский университет Астана	1
30.	Политика по обеспечению качества образования	1
31.	Миссия НАО МУА	1
32.	Индивидуальный план работы магистранта	1
33.	Модель оценки образовательных программ	1
34.	Инструкция «По ведению электронного журнала успеваемости»	1
35.	Организации учебного процесса по дистанционным образовательным технологиям в НАО МУА	1
36.	Устав НАО МУА	1