



«АККРЕДИТЕУ ЖӘНЕ РЕЙТИНГТІҢ
ТӘУЕЛСІЗ АГЕНТТІГІ» КЕМ

НУ «НЕЗАВИСИМОЕ АГЕНТСТВО
АККРЕДИТАЦИИ И РЕЙТИНГА»

INDEPENDENT AGENCY FOR
ACCREDITATION AND RATING

REPORT

on the results of the work of the external expert commission for the
evaluation for compliance with the requirements of the standards of
specialized accreditation of the educational program

7M10101 Nursing

NJSC "ASTANA MEDICAL UNIVERSITY"

in the period from 24 to 26 May 2022

INDEPENDENT AGENCY FOR ACCREDITATION AND RATING
External expert commission

***Addressed to
Accreditation
Council of the IAAR***



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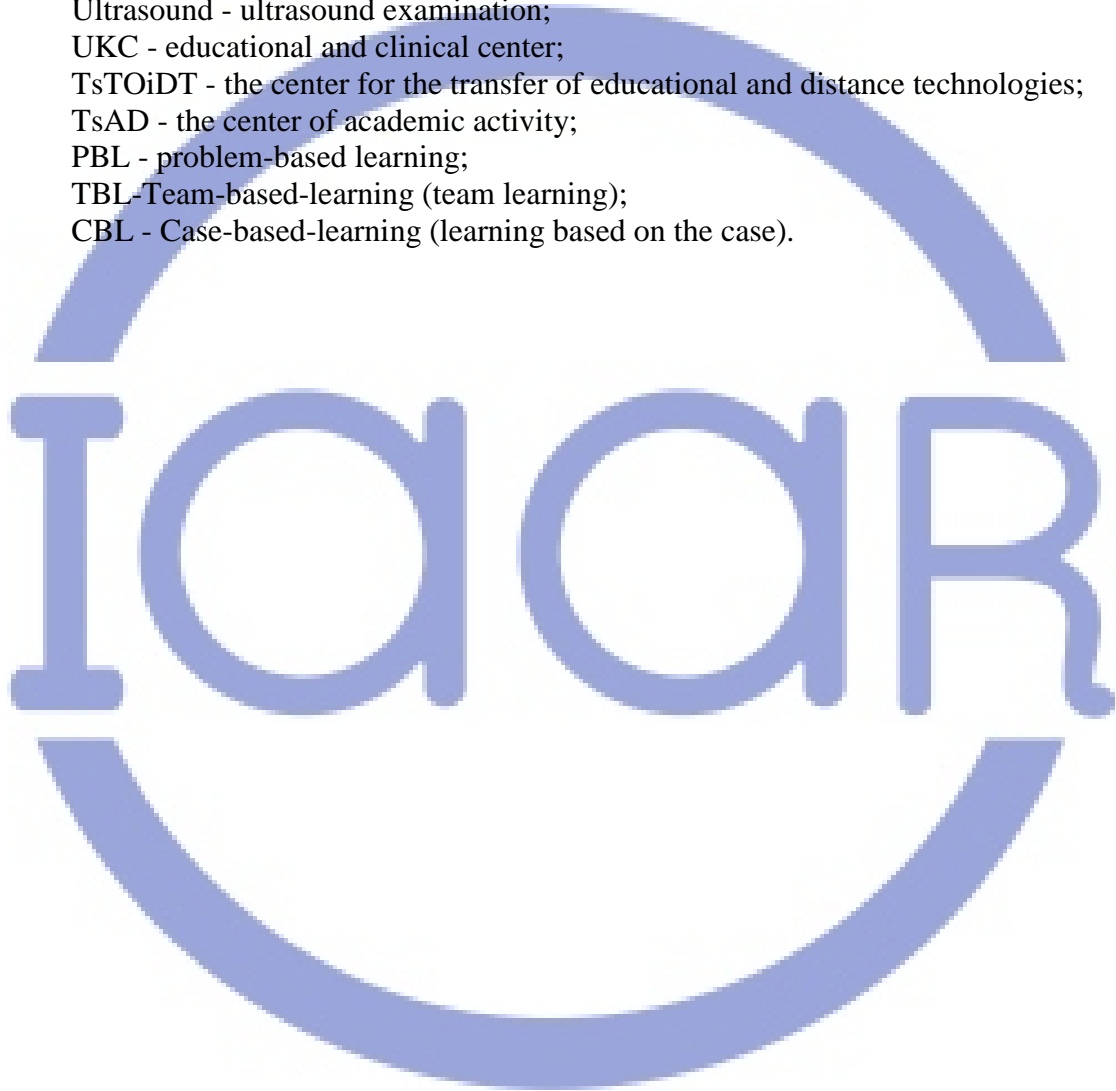
in the period from 24 to 26 May 2022

Nur-Sultan, 2022

(I) LIST OF SYMBOLS AND ABBREVIATIONS

AIS - automated information system;
 DB - basic disciplines;
 LBC - library and bibliographic classification;
 University - a higher educational institution;
 VKK - intra-cathedral control;
 GOBMP - guaranteed volume of free medical care;
 GKP on REM - state utility company on the right of economic management;
 GOSO RK - the state obligatory standard of education of the Republic of Kazakhstan;
 SAC - State Attestation Commission;
 civil defense and emergency situations - civil defense and emergencies;
 DNHR - Department of Science and Human Resources;
 IPR - individual resident plan;
 IGA - final state certification;
 IEP - individual curriculum;
 KP - process map;
 CT - computed tomography;
 QED - catalog of elective disciplines;
 KOC Quality Assurance Committee;
 KIIS - integrated medical information system;
 HF component of your choice;
 KIS - control and measuring means;
 ENT - otorhinolaryngologist;
 ICD - international classification of diseases;
 MRI - magnetic resonance imaging;
 MON - Ministry of Education and Science;
 MoH - Ministry of Health;
 MO - medical organization;
 NJSC "MUA", University - Non-profit joint stock company "Astana Medical University";
 NCNE - National Center for Independent Examinations;
 NOT - new educational technologies;
 R & D - research work;
 EP - educational program;
 OARIT - Department of Anesthesiology, Resuscitation and Intensive Care;
 OSMS - system of obligatory social medical insurance;
 OK - a mandatory component;
 ORD - assessment of the admission rating;
 OSCE - Objective Structured Clinical Examination;
 PR rules;
 PP - supporting process;
 PPP - teaching staff;
 PD - major disciplines;
 PC - advanced training;
 PHC - primary health care;
 RUE - working curriculum;
 RMS - resource management system;
 SRO - independent work of students;
 ACS - access control system;
 EDMS - electronic document management system;

SPA - reference and search apparatus;
Mass media - mass media;
QMS - quality management system;
CRR - independent work of a resident;
SRRP - independent work of a resident under the guidance of a teacher;
SU-MUA - university standard;
LLP – limited liability partnership;
TSO - technical training aids;
TUP - standard curriculum;
UDC - universal decimal classification;
EMCD - educational and methodological complex of the discipline;
Ultrasound - ultrasound examination;
UKC - educational and clinical center;
TsTOiDT - the center for the transfer of educational and distance technologies;
TsAD - the center of academic activity;
PBL - problem-based learning;
TBL-Team-based-learning (team learning);
CBL - Case-based-learning (learning based on the case).



(II) INTRODUCTION

In accordance with the order No. 68-22-OD dated March 18, 2022 of the Independent Agency for Accreditation and Rating, from May 24 to May 26, 2022, an external expert commission assessed the compliance of educational programs 7M10101 Nursing of the Astana Medical University with the standards of specialized accreditation of the NAAR (No. 21- 15-OD of September 28, 2015, second edition).

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

The composition of the WEC:

- 1) **Chairman of the EEC** - Igor Cemortan, PhD, Associate Professor, State University of Medicine and Pharmacy. N. Testemitanu (Republic of Moldova). Off-line participation*
- 2) **IAAR expert** – Suleymanova Leyla Magerramovna, Ph.D., Associate Professor, Azerbaijan Medical University (Azerbaijan Republic). Online participation*
- 3) **Expert IAAR** - Grichanyuk Dmitry Alexandrovich Ph.D. honey. Sciences., Associate Professor, Head. Department of Maxillofacial Surgery, Belarusian Medical Academy of Postgraduate Education (Republic of Belarus) On-line participation*
- 4) **IAAR expert** – Elena Aleksandrovna Kiseleva, Doctor of Medical Sciences, Professor of the Novokuznetsk State Institute for Postgraduate Medical Education, a branch of the Russian Medical Academy of Continuous Professional Education of the Ministry of Health of Russia (Russian Federation). Online participation*
- 5) **IAAR expert** - Khodjaeva Nigina Muradovna, Doctor of Medical Sciences, Director of the Center for Postgraduate Education, Professor of the Department of Children's Infectious Diseases of the State Educational Institution "Tajik State Medical University named after Abuali Ibni Sino" (Republic of Tajikistan). Off-line participation*
- 6) **Expert IAAR** - Matyushko Dmitry Nikolaevich, PhD, NJSC "Medical University of Karaganda" (Republic of Kazakhstan). Off-line participation*
- 7) **IAAR expert** – Pak Laura Alekseevna, PhD, Semey Medical University (Republic of Kazakhstan) Off-line participation*
- 8) **IAAR expert** – Karibayeva Dina Orynbasarovna, Head of the Department of General Medical Practice No. 2, Candidate of Medical Sciences, Associate Professor, Kazakh National Medical University named after S.D. Asfendiyarov (Republic of Kazakhstan) Off-line participation*
- 9) **Expert IAAR** - Veklenko Galina Viktorovna, candidate of medical sciences, associate professor, West Kazakhstan State Medical University. M. Ospanova (Republic of Kazakhstan) Off-line participation*
- 10) **IAAR expert, employer** - Mukashev Aizar Manatovich, Deputy Chief Physician for Strategic Development, Children's Regional Hospital, Petropavlovsk (Republic of Kazakhstan) On-line participation*
- 11) **Expert IAAR, employer** - Nurgalieva Ainur Tleugaliyevna, Chief physician of the ErStom clinic (Republic of Kazakhstan) Off-line participation*
- 12) **IAAR expert, student** - Saule Bolatovna Kasymova, 2nd year PhD student, graduate school of public policy Nazarbayev University (Republic of Kazakhstan). Off-line participation*
- 13) **IAAR expert, student** - Koyshyman Yernar Erkinbekuly, 2nd year resident, Karaganda Medical University (Republic of Kazakhstan). Online participation*

14) Expert IAAR, student - Orynbasar Bibol Nurzhanuly, 2nd year student of General Medicine, Kazakh National University. Al-Farabi, member of the Alliance of Students of Kazakhstan (Republic of Kazakhstan). Online participation

15) IAAR expert, student - Panaev Ruslan, 3rd year student of the EP of Public Health, Kazakh-Russian Medical University, member of the Alliance of Students of Kazakhstan (Republic of Kazakhstan). Online participation

16) IAAR expert, student - Kudaibergenov Dias Bauyrdzhanuly, 4th year student of General Medicine, member of the Alliance of Students of Kazakhstan, "Kazakh National Medical University named after. S.D. Asfendiyarov" (Republic of Kazakhstan). Online participation

17) IAAR Coordinator – Saidulaeva Malika Akhyadovna, Project Manager of the Independent Agency for Accreditation and Rating (Republic of Kazakhstan). Off-line participation



(III) REPRESENTATION OF THE EDUCATIONAL ORGANIZATION

The history of NJSC "MUA" is a path of formation and improvement for more than 50 years. The university was founded in October 1964 as the Tselinograd State Medical Institute by the decision of the Central Committee of the Communist Party and the Council of Ministers of the Kazakh SSR.

During the years of existence of the Medical Institute, there have been multiple changes in its organizational form, reforming the management system in accordance with the requirements of the time. The main stages of the development of the University:

Tselinograd State Medical Institute (1964-1997).

Kazakh State Medical Academy (1997-2008).

Joint-Stock Company "Kazakh Medical Academy", with one hundred percent participation of the state in the authorized capital (13.05.2008-2009).

NJSC "Astana Medical University" (06.01.2009-01.07.2010) as part of JSC "National Medical Holding" (hereinafter - NMH).

NJSC "Astana Medical University" from 01.07.2010 is under the jurisdiction of the Ministry of Health of the Republic of Kazakhstan.

Detailed information is available on the university website.

On February 22, 2019, on the basis of the Decree of the Government of the Republic of Kazakhstan "On the issues of creating a non-profit joint-stock company "Astana Medical University" No. 648 dated October 16, 2018, the joint-stock company "Astana Medical University" was reorganized into a non-profit joint-stock company "Astana Medical University".

The documents constituting the organizational and legal basis of activities and the legal basis for the implementation of the educational program of the University are presented on the website of the university.

Currently, the university has a state license of the Committee for Control in Education and Science of the Ministry of Education and Science of the Republic of Kazakhstan No. KZ93LAA00014823 dated March 19, 2019 (date of initial issue: January 31, 2009), without a time limit, for the right to carry out educational activities under higher education programs and postgraduate vocational education, according to which he has the right to issue documents on education of the state standard.

According to the organizational structure of NJSC "MUA" (Appendix 1), the main structural divisions of the University are the institute, faculties, departments, departments, divisions, centers, which include staff in the following categories: teaching staff, administrative and managerial personnel, teaching and support personnel, service personnel, other personnel.

The University is constantly working to expand international relations; direct ties have been formed with many foreign scientific centers and universities. Agreements on cooperation in the field of education and science have been concluded with foreign universities and organizations in Europe and Asia.

Today NJSC "MUA" is a member of UNA-I since February 24, 2016. Academic Engagement (UNA-I) is a global initiative of the Secretary-General of the United Nations to enhance collaboration with higher education institutions in support of the goals of the United Nations. Participation in UNA-I gives NJSC "MUA" all the benefits of being a member of a growing network of students and scientists who are actively working to organize events and conduct research in order to create a unified global culture of intellectual responsibility to society.

In 2018, on June 28, the University signed a memorandum of strategic partnership with Vilnius University, Lithuania, within the framework of which bilateral cooperation is being developed in the field of education, science, and clinical activities.

As part of the internationalization of medical education in 2019, the University, together with a leading foreign university, developed a joint double-degree master's program, NJSC

"MUA" implements educational programs in English, thanks to which the number of foreign students is growing at the university every year.

The following projects have been successfully implemented at the University:

Education to avoid medical errors - "TAME", 2015-2018;

Transition to university autonomy of universities in Kazakhstan - "TRUNAK", 2017-2020;

Development of the innovative potential of higher education in the field of nursing through the reform of the healthcare system - "ProInCa", 2017-2021;

Acceleration of the development of nursing education at the Master's and Doctoral levels in the higher education system of Kazakhstan - "AccelEd", 2020-2023;

Development of Academic Capacity in the field of Global Health in the region of Eastern Europe - Central Asia - "BACE", 2020-2024;

- Projects of Erasmus + programs and the Mevlana exchange program for academic mobility;

NJSC "MUA" has signed cooperation agreements with more than 112 universities and research institutes. Our students have the opportunity to study in Japan, Turkey, South Korea, the Czech Republic, Lithuania, Poland, Finland, Russia and other countries. The university is a member of international associations: the Magna Carta of Universities, the IFMSA association and the association AMSE <http://www.amse-med.eu/members-and-membership/members/>.

In the process of consistent development of the education system of Kazakhstan, an important characteristic of the activity of a higher educational institution is research work, in which the university has achievements.

In accordance with the Law of the Republic of Kazakhstan "On Science", the scientific activity of the University has been successfully accredited as a subject of scientific activity.

The University has a Fund for Scientific and Innovative Development, scientific seminars, scientific schools.

The Institute of Radiobiology and Radiation Protection operates at the University, which is unique among similar scientific institutions in the direction of its activities, which specializes in research on the effect of radiation on biocenoses, microbiocenoses, the human body and ways to correct and develop complexes and systems of preventive measures to prevent the harmful effects of radiation. The main task of the IRRZ is the development of scientific and methodological foundations for the medical provision of radiation safety for workers at radiation-hazardous enterprises and methods for reducing the radiation risk of the population from man-made sources of ionizing radiation. The testing laboratory of the Institute of Radiobiology and Radiation Protection of NJSC "MUA" is accredited for compliance with ISO / IEC 17025, to confirm the competence and compliance of the testing laboratory with the requirements of the standard.

NJSC "MUA" was the first medical university in Kazakhstan to begin multi-level training of medical and scientific and pedagogical personnel (the system of continuous higher education) in the following areas: bachelor's degree - internship - residency; bachelor's degree - master's degree - PhD doctoral studies.

6740 students, 1607 interns, 950 residents, 114 undergraduates and 85 doctoral students study at the faculties of the University, including 1120 foreign students.

The university operates a system of international distance learning (MOODLE), which uses the latest achievements in this field in its work.

Students of NJSC "MUA" have international recognition, university students are winners of international scientific and practical conferences, international student subject Olympiads. In 2019, 650 students from 7 medical universities of Kazakhstan were assessed on the international foundations of medicine - International Foundations of Medicine (IFOM), university students who scored high on the results of the International Foundations of Medicine Exam - IFOM were awarded certificates. One of the students entered the top three in the world, scoring the highest

score among students of medical universities in the Republic of Kazakhstan, this is a high indicator not only in Kazakhstan, but also in the world.

Professional training of students is carried out at 81 clinical bases of the university, located in the largest national, republican centers, research institutes of Kazakhstan. Employees of clinical departments are categorized doctors, members of various associations who perform complex operations, introduce new medical technologies in practical healthcare, and they also carry out field consultative and methodological work in non-basic medical organizations and in supervised areas of the Republic of Kazakhstan.

The University operates the "Medical Center of NJSC "MUA", which provides services under the state order within the guaranteed volume of free medical care to the attached population (children, adults), including university students, as well as on a paid basis.

NJSC "MUA" has introduced and develops distance technologies used in the educational process, based on the use of global and local computer networks to provide students with access to information educational resources of the university, regardless of its location.

NJSC "MUA" works mainly on the information and educational platform Moodle, where all educational materials are loaded: syllabuses, calendar and thematic plans, schedule, tasks for students, presentations, links to electronic learning resources, questions of boundary and final control.

For the transfer and mailing of educational material, online meetings with students, providing feedback, employees and teachers of the University use video, instant messengers and various platforms (Zoom, Skype, Meet.jit.si, Kahoot, etc.), and the official recommended platform is: Teams and Webex.

To check text documents for the presence of borrowings from open sources on the Internet and other sources, the Antiplagiat.Vuz program is integrated with the Moodle portal. To conduct exams in the mode of distance learning technologies, the developed online proctoring technology is used, which allows you to verify the student, monitor the student's screen and behavior, and record the entire exam on video.

In order to create conditions for the teaching staff to independently introduce new multimedia technologies, modernize existing educational / research developments, the University has a Multimedia Electronic Textbook Studio.

NJSC "MUA" is an active user of social networks to provide an information field and a platform for communication with stakeholders.

Links to accounts of NJSC "MUA" in social networks:

Official site - <https://www.amu.kz/>

Instagram account - https://www.instagram.com/amu_mua_official/

Facebook account - <https://www.facebook.com/MeduniverAstana/>

Youtube: <https://www.youtube.com/channel/UCxoJTRfEXwroJx0wub6ZvQQ>

As part of the implementation of the strategic direction 5. "Contribution to the development of the national context of health and education" of NJSC "Astana Medical University" (hereinafter referred to as the University) for 2019-2023, where the University plans to continue improving the quality assurance system.

The quality assurance system of the University is based on international standards and guidelines for quality assurance of higher and postgraduate education in the European Higher Education Area (ESG-ISJ), in accordance with which, according to the Law of the Republic of Kazakhstan "On Education", the university undergoes institutional and specialized accreditation in accreditation bodies included in the register of recognized accreditation bodies, as well as on the elements of the international quality management system standard ISO 9001:2015 in quality management.

In 2019, the University successfully passed institutional accreditation for compliance with the standards of institutional accreditation of higher education organizations until 2024, specialized accreditation of 55 programs for compliance with the standards for accreditation of educational programs of higher and postgraduate education, which were developed in

accordance with the new edition of the European standards and guidelines for quality assurance education (ESG).

Every year, in order to position itself as a competitive university providing quality educational services, the university in the National Ranking of Demand for Universities 2021, which was conducted by the Independent Agency for Accreditation and Rating (IAAR / IAAR), entered the general rating of the "TOP-20" universities of the Republic of Kazakhstan with an indicator of 33,418 points, as a result of which he took an honorable 7th place among 85 universities of multidisciplinary, technical, humanitarian, economic, medical and pedagogical areas, as well as arts and 3rd position among medical universities.

In the world ranking of university Internet sites Ranking Web of Universities (Webometrics, 2021), NJSC "MUA" takes 9780th place, in the continental ranking 3191st place, in the republic 20th place, which confirms the development of the content of the corporate website www.amu.kz", reflects the quality of the information infrastructure of the University and the quality of the management of the University.

According to the results of the rating assessment of the educational activities of medical universities conducted by the Ministry of Health of the Republic of Kazakhstan following the results of the 2020-2021 academic year, NJSC "Astana Medical University" led the overall rating with a value corresponding to the level of 5 stars.

In the ranking of educational programs of universities, conducted by the National Chamber of Entrepreneurs "Atameken" in 2021, the University took:

- First place in the specialties "Dentistry";
- second place - "Pharmacy", "Nursing" and "Public Health";
- third place - "General Medicine".

It should be noted that such ratings of educational programs help to meet the interests and needs of applicants and their parents, and for universities, ratings provide an opportunity to increase their competitiveness.

Ranking allows you to assess the quality of the educational services provided and helps to answer the request of applicants for choosing a place to study.

The Department of Nursing was established by the decision of the Board of Directors of NJSC "Astana Medical University" (meeting of the Board of Directors No. 7) dated July 24, 2019.

The department implements undergraduate training: academic bachelor's degree (4 years), in an abbreviated form of education (2 years 6 months) on the basis of vocational education and 10 months on the basis of applied bachelor's degree; as well as in master's and doctoral studies.

The main activities of the department, along with the educational one, are scientific, clinical. The main scientific directions are: optimization of the organization of the model of palliative nursing care, increasing the capacity of the teaching staff in the nursing field, improving the activities of the nursing service in allergology, etc.

The department participates in the implementation of an international project funded by the Ministry of Health of the Republic of Kazakhstan, the Ministry of Education and Science of the Republic of Kazakhstan, Erasmus + and the World Bank "Improving nursing at the level of master's and PhD doctoral studies in the higher education system of Kazakhstan - AccelEd". The project is aimed at reforming nursing science and research in the higher education system of Kazakhstan. The teaching staff of the department are trained in academic mobility in non-CIS countries (Finland, Lithuania), participate in the development of state education standards and model curricula in the specialty "Nursing".

The main clinical bases are: Multidisciplinary City Hospital No. 3, Multidisciplinary Children's City Hospital No. 3, MUA Medical Center LLP and Meyir Medical Center.

According to the results of the ranking of educational programs of universities for 2021, conducted by NCE "Atameken", the specialty "Nursing" took 2nd place among all medical universities of the Republic of Kazakhstan.

In 2020, the Bachelor's degree program in the specialty "Nursing" was accredited, as well as the doctoral program "Nursing Science".

Together with Finnish partners, the Ministry of Health of the Republic of Kazakhstan created a pre-PhD program in the specialty "Nursing".

Master classes were held by international experts from the University of Vilnius and the Medical Academy of the University of Lithuania on topical issues of nursing for teaching staff, students of the Faculty of Nursing and practical health nurses.

Academic mobility of students and teaching staff under the educational program "Nursing" is implemented with such Finnish universities as the University of Applied Sciences LAMK, the University of Applied Sciences HAMK, the University of Applied Sciences YMK, Lithuania - Lithuanian University of Health Sciences, NAO Kazakh National Medical University named after S. D. Asfendiyarova, NAO Medical University of Karaganda, NAO Semey Medical University. For the period 2018-2021, 2 teaching staff and 2 undergraduates of the SD took part in the academic mobility program, as part of the ProInCa international project to develop the innovative potential of higher education in the nursing field through reforming the healthcare system (2017-2021).

NTP "New medical technologies to improve the results of treatment of chronic diseases and the consequences of injuries with severe loss of function and severe complications" within the framework of pomegranate funding (information from the REPORT on the results of the work of the expert group in the framework of post-accreditation monitoring of NJSC "Astana Medical University" 6M110300 Master's degree "Nursing" » June 24, 2021)

Development of the innovative potential of higher education in the field of nursing through the reform of the healthcare system - "ProInCa", 2017-2021 (Erasmus + program);

Acceleration of the development of nursing education at the Master's and Doctoral levels in the higher education system of Kazakhstan - "AccelEd", 2020-2023;
(MOH RK, MES RK, Erasmus + and the World Bank).

(IV) DESCRIPTION OF THE PREVIOUS ACCREDITATION PROCEDURE

In accordance with the order of the Independent Agency for Accreditation and Rating (IAAR) No. 12-17-OD dated March 15, 2017, an external expert commission assessed the compliance of educational activities with the standards of specialized accreditation of the IAAR of educational programs for residency specialties: 6M110300 Nursing case, the Report of the external expert commission (EEC) contains an assessment of educational programs of specialties according to the IAAR criteria, recommendations of the EEC for further improvement of activities.

Composition of the previous EEC:

1. Chairman of the commission - Ermukhanova Lyudmila Sergeevna, head of the department of public health and healthcare, Ph.D., West Kazakhstan State Medical University. M. Ospanova (Aktobe);
2. Foreign expert – Viktor Veniaminovich Zakrevskiy, MD, SBEI HPE “North-Western State Medical University named after I.I. Mechnikov” (St. Petersburg, RF);
3. Expert - Karibaeva Dina Orynbasarovna, Head of the Department of General Medical Practice No. 2, Candidate of Medical Sciences, Associate Professor, Kazakh National Medical University named after S.D. Asfendiyarov (Almaty);
4. Employer - Abdrakhmanova Raushan Ugubaevna - chief nurse of JSC "Railway hospitals for disaster medicine" (Astana);
5. Employer - Utesheva Natalya Yakovlevna - pulmonologist of the therapeutic department No. 1, Hospital of the Medical Center of the Administration of the President of the Republic of Kazakhstan (Astana);
6. Student - Mukasheva Gulmira Muratovna, resident of the 2nd year of study in the specialty "Radiation Therapy" JSC "Kazakh Medical University of Continuing Education" (Almaty);
7. Student - Rizvangul Radikovna Izbakiyeva, resident of the 3rd year of study in the specialty "Obstetrics and gynecology, including children's" (Almaty);
8. Observer from the Agency - Nurkhametova Aiman Bekbolatovna, project manager for post-accreditation monitoring (Astana).

RECOMMENDATIONS TO THE UNIVERSITY UNDER THE PREVIOUS ACCREDITATION PROCEDURE

In 2017, the EEC for the specialized accreditation of the educational program "7R01107 Pulmonology for adults, children" recommended:

Recommendation of the EEC for the EP of the Master's program "Nursing" standard 1 "Mission and final results».

Work more actively with customers of specialists graduating under the educational program of the master's program "Nursing».

Recommendation of the EEC for the EP Master's "Nursing" standard 2 "Research environment and educational resources»

2.1 Increase the preparation and publication of articles in journals with an impact factor, both on the part of the teaching staff and students.

2.2 To intensify scientific work among the teaching staff on program-targeted and grant financing.

2.3 Find the possibility of extra-budgetary funding of R&D teaching staff on the most problematic health topics of the Republic of Kazakhstan in the direction of "Nursing».

Recommendation of the EEC for the EP Master's "Nursing" standard 4 "Master's Program»

Expand academic mobility, both among teaching staff and undergraduates in the accredited specialty.

On April 29, 2017, by the decision of the Accreditation Council of the IAAR, the educational program "6M110300 Nursing", implemented by the AMU, was accredited for 5 years.

Post-monitoring control to assess the implementation of the recommendations of the EEC IAAR, formed based on the results of the specialized accreditation of the educational program "6M110300 Nursing" by the IAAR expert group, was carried out at the MUA on June 24, 2021.

Post-accreditation monitoring of the activities of the AMU showed that, in general, the recommendations given by the EEC are being implemented. The measures and actions taken contributed to improving the quality of the educational process and the implementation of educational programs of the university, positive trends in the field of attracting students to scientific research, creating conditions for expanding the geography of partner universities, developing conditions that contribute to the formation of the student's personality.

The EEC members who carried out re-accreditation from May 24 to May 26, 2022 found that the following work was carried out on the recommendations of the previous EEC:

1. According to the recommendations of the Mission and Deliverables standard:

In the Strategic Directions of the NJSC "Astana Medical University" for 2019-2023, the Mission of the educational program is declared, which in this way, as well as the publication on the official website of the university – www.amu.edu.kz, communicated to authorized bodies in healthcare, the academic community, students and other interested parties. The departments of NJSC "MUA", which train undergraduates in nursing, are based on clinical bases of practical healthcare and provide medical diagnostic and advisory assistance in departments, and also attract employers to employ graduates.

Conclusions: the recommendation has been implemented.

2. According to the recommendations of the standard "Research environment and educational resources":

For the period from 2016 to 2022, teaching staff and undergraduates in the specialty "Nursing" published 21 articles with an impact factor <https://docs.google.com/spreadsheets/d/1eznXWZ5YumGJzk9qAOTLmXN3H7LVwL1a/edit#gid=253275904>

Scientific work on program-targeted and grant funding was implemented through the participation of teaching staff involved in teaching undergraduates "Nursing" NJSC "MUA", in the scientific and technical program "New medical technologies to improve the results of treatment of chronic diseases and the consequences of injuries with bereavement functions and severe complications" within the framework of pomegranate financing. Report on the results of the work of the expert group June 24, 2021

The possibility of extrabudgetary funding of R&D of teaching staff on the most problematic topics of health care in the Republic of Kazakhstan in the direction of "Nursing" was implemented in NJSC "MUA" through the implementation of the international project ProInCa to develop the innovative potential of higher education in the nursing field through reforming the healthcare system (2018-2020). The project was financed by the World Bank, co-financed by the Erasmus + program. In continuation of the project described above, NJSC "MUA" is implementing the international project "Improvement of Nursing at the Master's and PhD Doctorate Levels in the Higher Education System of Kazakhstan - AccelEd", funded by the Ministry of Health of the Republic of Kazakhstan, the Ministry of Education and Science of the Republic of Kazakhstan, Erasmus + and the World Bank. The project aims to reform nursing science and research in the higher education system of Kazakhstan. <https://amu.edu.kz/ru/science/nauchnye-proekty/>

Conclusions: recommendation implemented.

3. According to the recommendations of the standard "Master's Program":

The analysis carried out by experts showed that, in general, according to the recommendations given by the EEC in relation to accredited educational programs, there is a good positive trend. The measures and actions taken by the university contribute to improving

the quality of the educational process and the implementation of educational programs, positive trends in the development of student mobility, expanding creative relationships, supporting young teachers and developing the research component of the EP. Academic mobility of students and teaching staff under the educational program "Nursing" is implemented with such Finnish universities as the University of Applied Sciences LAMK, the University of Applied Sciences HAMK, the University of Applied Sciences YMK, Lithuania - Lithuanian University of Health Sciences, NAO Kazakh National Medical University named after S. D. Asfendiyarova, NAO Medical University of Karaganda, NAO Semey Medical University. For the period 2018-2021, 2 teaching staff and 2 undergraduates of the SD took part in the academic mobility program, as part of the ProInCa international project to develop the innovative potential of higher education in the nursing area through reforming the healthcare system (2018-2020). Self-assessment report. Report on the results of the work of the expert group June 24, 2021

In September 2022, a 7-week internship for 2 undergraduates in the specialty "Nursing" at Abo Akademi University, Finland, an internship for 3 teachers at Abo Akademi University is planned. (within the framework of participation in the international project "Improvement of nursing at the level of master's and PhD doctoral studies in the system of higher education Kazakhstan – AccelEd»).

International cooperation policy of AMU
<https://amu.edu.kz/upload/iblock/1c0/1c075950580b733da288f062f15fc06c.pdf>

Conclusions: the recommendation has been implemented.

The analysis carried out by the experts showed that, according to the recommendations given by the EEC, there is a positive trend and improvement in the quality of educational programs, positive trends in international cooperation and mobility of students and teaching staff, and the development of research activity. In continuation of the completed ProInCa international project to develop the innovative potential of higher education in the nursing field through reforming the healthcare system (2018-2020), the university takes part in the international project "Improving Nursing at the Master's and PhD Doctorate Levels in the Higher Education System of Kazakhstan - AccelEd" jointly with Finnish partners.

At the same time, the commission believes that the accredited study program should be modified based on the actual conditions in which graduates will work and society's expectations, the results of international projects should be more widely used to modernize and create joint educational programs within the framework of two-degree education, and also strengthen the position at the university teachers with higher nursing education.

(V) DESCRIPTION OF THE EEC VISIT

The work of the EEC was carried out on the basis of the approved Program for the visit of the expert commission for specialized accreditation of educational programs to the AMU from May 24 to May 26, 2022.

In order to coordinate the work of the EEC, on May 23, 2022, an introductory meeting was held, during which powers were distributed among the members of the commission, the schedule of the visit was specified, and agreement was reached on the choice of examination methods.

To obtain objective information about the quality of educational programs and the entire infrastructure of the university, to clarify the content of self-assessment reports, meetings were held with the rector, vice-rectors of the university in areas of activity, heads of structural divisions, deans of faculties, heads of departments, teachers, students, graduates, employers. A total of 74 representatives took part in the meetings (table 1).

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

Participant category	Quantity
Rector	0
Vice-Rectors and Head of the Rector's Office	6
Heads of structural divisions	36
Deans of faculties	2
Heads of departments	6
teachers	6
students	13
Graduates	4
Employers	1
Total	74

During the excursion, the members of the EEC got acquainted with the state of the material and technical base, visited the Center for Support of Publications and Library Services, the Training and Clinical Center, the Institute of Radiobiology and Radiation Protection, the main building, the Multidisciplinary City Hospital No. 3, the Medical Center "Meyir", which is based Nursing business.

At the meeting of the EEC IAAR with the target groups of the AMU, the mechanisms for implementing the policy of the university and the specification of individual data presented in the self-assessment report of the university were carried out.

Classes were attended for the period of accreditation: 05/25/2022 at 11.30-12.20 a class was attended in the group 2021-SD / 11-M141-(2) in the specialty 7M10101 Nursing. Topic of the lesson: Information and communication technologies and digitalization in healthcare and nursing, teacher: Musagazin Anuar Maksatovich. The lesson was held at the address: Main building, st. Beibitshilik, 49a, 6th floor, room 619. The lesson was attended by 5 students, a fragment of a ppt presentation on the topic of the lesson was heard.

During the work, members of the EEC visited the following internship bases: Multidisciplinary city hospital No. 3. The head of nursing at the State Enterprise on the Right of Economic Use "Multiprofile City Hospital No. 3" is a specialist with a higher nursing education, the hospital provides all types of practices in nursing programs.

In order to confirm the information presented in the Self-Assessment Report, the working documentation of the university was requested and analyzed by external experts. Along with this, the experts studied the Internet positioning of the university through the official website of the university <https://www.amu.kz/>.

As part of the planned program, recommendations for improving the accredited educational programs of the AMU, developed by the EEC based on the results of the examination, were presented at a meeting with the management on May 26, 2022.

(VI) COMPLIANCE WITH SPECIALIZED ACCREDITATION STANDARDS

6.1. Standard "Mission and learning outcomes"

Evidence

The mission of the educational programs of postgraduate education (Master's) of NJSC "Astana Medical University" is to develop the potential of specialists in the field of nursing with a high level of professional competence and research skills.

The mission is presented in the Strategic Directions of NJSC "Astana Medical University" for 2019-2023, published on the official website of the university – www.amu.edu.kz, distributed in paper form to all structural divisions of the university, posted on the information stands of divisions, published in guidebooks and booklets of the selection committee. Thus, the mission was brought to the attention of the authorized bodies in the field of medical education and healthcare, the academic community, students and other interested parties, applicants and their parents.

The mission takes into account the needs and problems of the health of societies and the health care system and is consistent with the mission of the university; results of questioning students and teaching staff, interviews with students 25.05.22. and teaching staff on May 24, 22, interviews with employers on May 25, 22.

The activity of NJSC "MUA" is monitored in accordance with the internal document of the CS-MUA "Feedback Monitoring": monitoring and analysis of satisfaction and perception by the main consumers (students, employers, teaching staff) is carried out.

The educational program of the master's program "Nursing" has academic freedom due to the inclusion in the EP of elective disciplines, developed taking into account the topics of ongoing master's studies and with the involvement of undergraduates. <https://docs.google.com/spreadsheets/d/1bF2fV7cJOi5aApb9hSaL9NGkbthWLaDJ/edit#gid=304451648>;

https://docs.google.com/document/d/1kVieU9IKj_Fq3kRFcxcsEe2U9j5I6RDU/edit

Analytical part

The mission is widely discussed in relation to all aspects and processes of the educational and scientific activities of the university at the Faculty Councils, the Academic Council, KOC with teachers and students of the University, employers, alumni associations, and representatives of trade union health organizations. The information received is used to correct and update the Mission.

The academic freedom of the educational program of the master's program "Nursing" is ensured by the inclusion in the EP of elective disciplines, developed taking into account the topics of ongoing master's studies, with the involvement of undergraduates. The process is discussed at the department and reflected in the Catalog of elective disciplines.

At the same time, after participating in the international grant project ERASMUS + ProInCa (2017-2020), the Center for Excellence in Nursing operates at NJSC "MUA", the educational and research capabilities of which should be more widely used for planning and implementing educational, scientific and innovative components of the master's program "Nursing».

Strengths/best practice

Academic freedom is successfully implemented in NJSC "Astana Medical University" by including elective disciplines in the educational program of the master's program "Nursing", developed taking into account the topics of ongoing master's studies and with the involvement of undergraduates.

WEC recommendations

It is recommended to make wider use of the educational and research capabilities of the Center for Excellence in Nursing for the planning and implementation of the educational, scientific and innovative components of the master's program "Nursing».

EEC conclusions by criteria:

- ✓ *strong positions* - 1
- ✓ *satisfactory* - 15
- ✓ *suggest improvements* - 1
- ✓ *unsatisfactory* – 0.

6.2. Standard "Research Environment and Educational Resources"**Evidence**

The university has the necessary research environment to provide a master's degree in Nursing. Research activities are carried out by the teaching staff of the university and undergraduates, taking into account the priority areas of medical science. The profile department Nursing is provided with employees with higher nursing education (50% of employees).

Currently, 12 undergraduates of the 1st year of study and 1 undergraduate of the 2nd year of study are studying in the master's program. Training takes place in two departments: nursing (7 undergraduates) and GP (6 undergraduates).

Competent teachers with academic degrees and titles are involved for the scientific guidance of undergraduates; Self-assessment report: The scientific potential of teaching staff who will implement the educational program of the master's program in the specialty "Nursing Science".

Professional training of students in the specialty "Nursing" takes place at 4 clinical bases, where undergraduates can undergo clinical and research training. Nursing managers at clinical sites are, among other things, specialists with higher nursing education ("Multiprofile City Hospital No. 3" of the Akimat of Nur-Sultan); Appendix 8, Self-Assessment Report. Characteristics of clinical sites.

Independent and research work of undergraduates is carried out, among other things, on the basis of the GKP on the REM "Multiprofile City Hospital No. 3", where there is a head of nursing with a higher nursing education, which guarantees favorable conditions for undergraduates and constructive interaction with the healthcare sector.

NJSC "MUA", after participating in the international grant project ERASMUS + ProInCa (2017-2020), takes part in the implementation of the second international project AccelEd 2020-2023 "Improving nursing at the level of master's and doctoral studies in the higher education system of Kazakhstan".

Undergraduates in the specialty "Nursing" - 7M10101 participate in conferences of the republican and international level, report and make presentations on the results of their own research, publish articles, and also participate in master classes, seminars conducted by leading domestic and foreign scientists on the most important for the university and region practical and scientific problems.

Undergraduates participate in foreign internships, which are held with the aim of: getting acquainted with the latest theoretical, methodological and technological achievements of foreign science, with modern methods of scientific research, processing and interpreting experimental data, acquiring practical skills, competencies and professional experience in the specialty being trained. Internships for undergraduates in foreign educational organizations are held in the 2nd year according to the individual work plan of the undergraduate. During field trips to foreign organizations of education and science, undergraduates conduct research, experimental research work. The Dean's Office of the Faculty of Postgraduate and Additional Education deals with the

organization of foreign internships. Data on the publication, publishing and research activity of employees of NJSC "MUA" in the profile of the master's program for the last 3 years is attached.

The University guarantees information support that meets the goals and objectives of the Master's program in Nursing. The library contains materials necessary for training - educational, technical, scientific and reference literature, various medical periodicals, electronic databases, etc. The database of information resources is constantly updated, improved and expanded. The Accreditation Program included visits to the library and familiarization with its capabilities.

Analytical part

To date, NJSC "MUA" has agreements with some foreign universities and takes part in the joint development of master's programs with the award of degrees from both universities. Given the participation of the University in the international grant projects ERASMUS + ProInCa (2017-2020), as well as the second international project AccelEd 2020-2023 "Improving nursing at the level of master's and doctoral studies in the higher education system of Kazakhstan", joint master's programs with the award of degrees and joint leadership should be developed as a result of implementation by the end of the project period, which will support cooperation between higher education institutions.

The section of the University's website devoted to master's programs should expand its informational content, reflecting information according to accreditation standards. The master's program Nursing should reflect a summary of the disciplines that make it up.

Strengths/best practice

1. 1. NJSC "MUA", after participating in the international grant project ERASMUS + ProInCa (2017-2020), takes part in the implementation of the second international project AccelEd 2020-2023 "Improving nursing at the level of master's and doctoral studies in the higher education system of Kazakhstan".
2. 2. The university guarantees favorable conditions for undergraduates and constructive interaction with the healthcare sector, organizing independent and research work, including on the basis of the State Enterprise on the REM "Multiprofile City Hospital No. 3", where there is a head of nursing with a higher nursing education.
3. 3. The university successfully implements the resource policy and ensures the maintenance of the professional growth of teachers: in the staff of the profile department "Nursing" out of 12 employees, 6 are specialists in higher nursing, masters, one more employee is studying in the master's program.

WEC recommendations

1. To support cooperation between higher education institutions, joint master's programs with the award of degrees and joint leadership should be developed within the time frame for the implementation of the international project AccelEd 2020-2023 "Improving Nursing at the Master's and Doctoral Levels in the Higher Education System of Kazakhstan".

2. Expand the information content of the section of the Website dedicated to master's programs

Conclusions of the EEC according to the criteria:

- ✓ strong positions - 3
- ✓ satisfactory - 25
- ✓ suggest improvements - 2
- ✓ unsatisfactory – 0.

6.3. Admission Policy and Criteria Standard

Evidence

The admission policy for master's educational programs, including for OP 7M10101 "Nursing" is defined in the Rules for Admission to the Master's Program of the NJSC "Astana Medical University" (PR - MUA - 04 - 21) (hereinafter - the Admission Rules), approved by the decision of the Board of the NJSC "Astana Medical University", Protocol No. 18 of 06/18/2021.

According to Appendix 1 of the order and about. Minister of Health and Social Development of the Republic of Kazakhstan dated July 31, 2015 No. 647: "On Approval of State Compulsory Standards and Model Professional Curricula in Medical and Pharmaceutical Specialties" (hereinafter referred to as GOSO) requirements for the previous level of education of persons wishing to master the educational programs of the magistracy M141 Nursing the case is as follows: higher professional education in the specialty 5B110100 - "Nursing", 5B130100 - "General Medicine", 040100 - "General Medicine", 040200 - "Pediatrics", 040600 - "Oriental Medicine", 5B130200 - "Dentistry", 5B110400 - "Medical and preventive work".

In accordance with the Model Admission Rules and the Admission Rules of NAO AMU, persons entering the magistracy pass a CT, including a foreign language test (optionally English, German, French), a test on the profile of groups of educational programs (management in nursing, basics of nursing), a test to determine the readiness for learning of choice in Kazakh or Russian.

The University monitors the process of employment of graduates of all levels of education, including graduates of the master's degree program 7M10101 "Nursing", by the center of practice and employment. Each graduate of the master's degree program 7M10101 "Nursing" has the right to continue his studies in doctoral studies.

Analytical part

The procedure for selecting applicants for master's and CT programs is fully regulated by the National Testing Center and controlled by the Ministry of Education and Science of the Republic of Kazakhstan.

CT is carried out by the National Testing Center at the points of conduct determined by the Ministry of Education and Science of the Republic of Kazakhstan (hereinafter - MES RK). Based on the results of CT, a certificate is issued. Conducting CT is carried out in accordance with the Rules for conducting CT, approved by order of the Minister of Education and Science of the Republic of Kazakhstan dated May 8, 2019 No. 190. Persons who have one of the international certificates specified in the Model Rules for Admission, confirming knowledge of a foreign language in accordance with the pan-European competencies (standards) of foreign language proficiency, are exempted from the CT foreign language test for the master's program. At the same time, the admission committee of the university checks the authenticity and validity of the submitted certificates. Applicants to the magistracy in the application indicate one GOP (magistracy) and up to 3 (three) organizations of higher and postgraduate education. In order to comply with the order during the CT, representatives of the Ministry of Education and Science of the Republic of Kazakhstan are sent to the venues. CT results are announced on the day they are taken.

To consider applications of persons who do not agree with the results of the CT, the Republican Commission for the consideration of appeals under the Ministry of Education and Science of the Republic of Kazakhstan and appeal commissions at each point of the CT are created. The chairman and composition of the Republican Appeal Commission, the chairmen of the appeal commissions established at the CT venues are approved by order of the Ministry of Education and Science of the Republic of Kazakhstan. The entire procedure for the work of the Appeal Commission is explained in detail in the Model Rules. The university does not participate in this procedure. Retake of CT in the year of delivery is not allowed.

Despite the fact that all work on the admission and selection of applicants for the magistracy is carried out by the National Testing Center and is controlled by the Ministry of Education and Science of the Republic of Kazakhstan, which is why at present the university does not have the opportunity to influence the selection process of applicants entering under the

grant for OP 7M10101 "Nursing" in NAO MUA, may consider approaches to assessing the research potential of applicants.

Strengths/best practice

No strengths were identified for this standard.

WEC recommendations

There are no recommendations for this standard.

EEC conclusions by criteria:

- ✓ *strong positions* - 0
- ✓ *satisfactory* - 6
- ✓ *suggest improvements* - 0
- ✓ *unsatisfactory* - 0

6.4. Standard "Master's Program"

Evidence

The educational program of the magistracy of the specialty 7M10101 - "Nursing", is implemented in NAO MUA in accordance with the State Compulsory Education Standard (GOSO) 7.09.108-2009 of the magistracy 7M10101 - Nursing under a license for the right to conduct educational activities in this specialty, regardless of departmental subordination and form property (License No. AB0064050 dated January 31, 2009) Training of personnel in the magistracy in the specialty 7M10101 - "Nursing" is carried out in the scientific and pedagogical direction.

The structure of the educational program of the master's program consists of two equivalent components: educational and scientific, which determine the content of education.

The educational program of the master's program in the specialty "Nursing" contains:

- Mastering the cycles of basic and major disciplines;
- Pedagogical practice;
- Research practice;
- Foreign internship;
- Experimental research work, including the implementation of a master's thesis;
- Intermediate and final certification.

The EP, the working curriculum and the content of the disciplines are developed in accordance with the structure of the educational program of the master's program in the scientific and pedagogical direction, approved by the Order of the Minister of Education and Science of the Republic of Kazakhstan dated October 31, 2018 No. 604 "On approval of state compulsory standards of education at all levels of education".

The disciplines of the university component, the ratio of basic and major disciplines, the total number of credits and hours mastered, etc., have been preserved.

The educational component makes up 30% of the total volume of the master's degree program or 53 academic credits and consists of cycles of database and PD disciplines, which include the disciplines of VC and VC, practice. At the same time, the ratio of the volume of the database and the PD is determined by the university independently. The list of disciplines of VK and KV is determined by the university independently. At the same time, the needs of the labor market, the expectations of employers, the needs and interests of undergraduates are taken into account.

The scientific component of the educational program is formed from the NIRM or EIRM undergraduate, scientific publications, writing and defending a master's thesis.

The volume of the scientific component is 64% of the total volume of the Master's degree program or 115 academic credits.

The list of disciplines of the compulsory component is determined by the standard curriculum. The list of disciplines of the elective component is determined by the graduating departments, and makes each program individual. At the same time, the needs of the labor market, the expectations of employers, the needs and interests of undergraduates are taken into account.

Implementation The structure of the EP is provided by the following auxiliary "tools": PPM, academic calendar, individual curriculum and individual work plan of the undergraduate. RUP and academic calendars are developed by the Center for Master's and Doctoral Studies for the academic year on the basis of the Model Curriculum approved at a meeting of the Senate. To monitor the process of execution of the individual work plan of the undergraduate, which includes both monitoring progress and compliance with the deadlines for writing the dissertation, each undergraduate is given the journal "Individual work plan of the undergraduate", where the student keeps records throughout the learning process as they are performed.

The main competencies of undergraduates is the competency "Continuing professional education and development throughout life", which is formed in the process of mastering 12 disciplines of the basic and profile components, as well as research practice, the work of a master student on a dissertation, and foreign internships.

The normative duration of master's degree program development in the scientific and pedagogical direction is 2 years. The educational program of the master's program is developed on the principle of modular education.

The volume of the scientific component is 64% of the total volume of the Master's educational program or 115 academic credits.

The educational program contains both theoretical training and various types of practices, foreign internships, research work, intermediate and final certification.

The educational program of the master's program in the specialty 7M10101 "Nursing" includes the passage of pedagogical and research practice, which are necessary components to achieve effective professional activity.

The terms and content of practices are determined by the State Educational Standard, the regulation on the organization of teaching and research practice and the working curriculum for the specialty 7M10101 "Nursing".

Research practice is implemented at the place where the dissertation (project) is performed by the undergraduate in accordance with an individual plan within the time frame determined by the curriculum.

According to the International Cooperation Policy of the AMU <https://amu.edu.kz/upload/iblock/1c0/1c075950580b733da288f062f15fc06c.pdf> in order to integrate education into the international educational space, the university cooperates with leading foreign universities on the basis of concluded memorandums of understanding, contracts, agreements on international cooperation. The number of valid memorandums is 56.

Academic mobility of students and teaching staff under the educational program "Nursing" is implemented with such Finnish universities as the University of Applied Sciences LAMK, the University of Applied Sciences HAMK, the University of Applied Sciences YMK, Lithuania - Lithuanian University of Health Sciences, NAO Kazakh National Medical University named after S. D. Asfendiyarova, NAO Medical University of Karaganda, NAO Semey Medical University.

During the reporting period, the University implemented a grant project of the European Erasmus + Program for Capacity Building in Higher Education "ProInCa" 2017-2020 "Promoting the innovative potential of higher education in the field of nursing for healthcare reform". The results of the project were:

- Implemented the Nursing Excellence Center with an online platform (www.nursekz.com)
- improved the skills of more than 500 nurses from all regions of the country
- bachelor's degree programs were developed in the disciplines "Fundamentals of Evidence-Based Nursing Practice" (5 credits 150 hours) and "Evidence-Based Nursing Practice"

(5 credits 150 hours), master's programs in the discipline "Implementation of Evidence-Based Nursing Practice" (2 credits 90 hours)

- educational modules "Research and Development Projects in Nursing" and "Methodology of Qualitative and Quantitative Research in Nursing" were developed for Master's, Applied and Academic Baccalaureate levels.

- developed methodological recommendations on research infrastructure for medical universities in nursing, recommendations for medical universities to create research programs in nursing, etc.

Together with Finnish partners, at the expense of the World Bank, a Pre-PhD program in Nursing Science was launched in the 2020-2021 academic year, which trained 6 undergraduates.

Currently, the second AccelEd 2020-2023 project is being implemented - "Improving Nursing at the Master's and Doctoral Levels in the Higher Education System of Kazakhstan". Results for 2021-2022: 2 training courses, 2 master classes, 2 webinars, 2 round tables to increase the capacity of teaching staff planning teaching and research in Nursing Science. Total trained: 25 people (16 teaching staff, 9 students). A course was developed on the methodology of qualitative research in the field of nursing, a report was developed with recommendations on the necessary reforms to support the quality of postgraduate education in the field of nursing science. In September 2021, the recommendations were sent to the MoH for further action.

In September 2022, a 7-week internship for 2 undergraduates in the specialty "Nursing" at Abo Akademi University, Finland, an internship for 3 teachers at Abo Akademi University is planned.

All undergraduates of the specialty "Nursing" are members of the SNK (Student Scientific Circle). Master student Mamyrbekova M.B. is the secretary of the council of the faculty of the specialty "Nursing", a participant in the AccelEd project, a member of the commission of the Dissertation Council, Student Government. She is also a member of the volunteer movement "Aru Foundation", the "Red Crescent", the Representative of Kazakhstan in the YPG (Young Pan-Globalist, South Africa, Ghana). the university promotes the participation of students in the assessment of the EP The composition of the KOC of postgraduate education also includes representatives of practical healthcare and employers - for example, members of the KOC of postgraduate education are the deputy head of the medical unit of the State Institution "Central Hospital with a Polyclinic of the Ministry of Internal Affairs of the Republic of Kazakhstan" Tursynbet E.A., Director of the Department science and human resources of the Ministry of Health of the Republic of Kazakhstan Aldyngurov D.K.

Persons who have mastered the educational program of the magistracy and defended a master's thesis are awarded the academic degree "Master of Medical Sciences" in the specialty 7M10101 "Nursing».

Analytical part

NAO AMU has established mechanisms for periodic review, study and evaluation of ongoing educational programs and ensures the quality of the program management process. Syllabuses are updated annually in accordance with the achievements of modern science and practice of the program. The catalog of elective disciplines is updated annually, the departments offer vertical and horizontal modules in elective disciplines. The current educational program in the specialty 7M10101 "Nursing" provides for the revision date of this program - June 2022. The master's program Nursing should reflect a summary of the disciplines that make it up.

On the issues of revision / amendments to the EP, the University works in close cooperation with all interested parties: for example, the Educational and Methodological Council, the Committees for educational programs of the specialty, the Faculty Council include both representatives of practical healthcare, employers, and students. The task of the university is to receive from each of them clearly formulated requirements for the EP, to transform these requirements into specific goals, objectives and content of the EP, as well as to improve the quality of the educational activities of the University as a whole.

The continuity of the process of self-education of undergraduates, aimed at the formation of professional mobility and the development of research skills, the disclosure of creative potential, individual abilities and the formation of personality is also ensured by the participation of undergraduates during extracurricular time in master classes and scientific conferences organized at the university. Undergraduates are obligatory participants in seminars conducted by invited foreign professors and teachers.

The scientific supervisor of the undergraduate in the specialty 7M10101 - "Nursing", performs the following functions: advises the undergraduate in choosing a topic, determines the purpose and objectives of the dissertation research; directs the work of the undergraduate in accordance with the chosen topic; coordinates the preparation of undergraduates to obtain the necessary knowledge and skills; advises a master student on theoretical, methodological, stylistic and other issues of writing a dissertation; evaluates the work done and gives an opinion on its compliance with the established requirements.

Consultations of scientific supervisors in the specialty "Nursing" for undergraduates are held several times a month, depending on the needs of the undergraduate, questions that arise in the course of writing a dissertation and conducting research work.

The supervisor helps the undergraduate in drawing up an individual work plan based on a standard curriculum and a catalog of elective disciplines.

The university has developed a "Handbook - a guide for undergraduates" (<http://www.amu.edu.kz/>), which contains: general information about the University and strategic directions of development, the procedure for monitoring progress, intermediate certification, academic calendar, order calculation of the student's academic rating, the procedure for assigning and paying state scholarships, requirements for the final state certification, and others.

For all questions of interest, undergraduates can contact the head of the Center for Foreign Affairs, the supervising vice-rector and the rector's blog. Each undergraduate, together with the supervisor, draws up an individual work plan, determined with a list of elective disciplines. The choice of the topic of the dissertation work takes into account the scientific interests of the undergraduate within the framework of the directions of scientific research of the department. All the necessary information, including the class schedule, academic calendar, announcements, regulatory documents, a doctoral student guide, is available on the University website. This provides equal access to the necessary information, regardless of nationality, religion, state of residence, socio-economic status.

Unfortunately, the joint Pre-PhD program in Nursing Science with Finnish partners, implemented in the 2020-2021 academic year. year at the expense of the World Bank, on which 6 undergraduates studied, did not receive further development.

Strengths/best practice:

No strengths identified for this standard.

WEC recommendations

There are no recommendations for this standard..

EEC conclusions by criteria:

- ✓ *strong positions* - 0
- ✓ *satisfactory* - 24
- ✓ *suggest improvements* -0
- ✓ *unsatisfactory* – 0

6.5. Standard "Scientific leadership"

Evidence

The procedure for approving a supervisor and a research topic is carried out in accordance with the University Regulations PL-MUA-121 "On training in a magistracy".

The candidacy of the supervisor and the research topic of the master student of the specialty "Nursing" are considered at a meeting of the profile department. The master student has the right to choose his/her own supervisor. Within the first month after enrollment, the undergraduate is determined with the choice of a supervisor, after which the scientific supervisor and the topic of the undergraduate are approved at a meeting of the profile department. Subsequently, at the meeting of the ISS, undergraduates make a detailed report on the planned research work, after which they have the opportunity to receive recommendations and comments. The minutes of the meeting approve the supervisor and the topic of the master's thesis. According to the extract of the meeting of the ISS, an order is issued by the rector of the University on the appointment of scientific leadership.

When choosing supervisors for undergraduates, the University is guided by the following principles: a supervisor must have either a doctoral degree, or a candidate of medical sciences, or a PhD, or be a qualified specialist in the relevant fields with at least 5 years of work experience. The supervisor must have scientific papers: at least 3 publications on the profile of the master's program in domestic and international scientific journals, including leading journals of the near abroad, as well as publications in journals included in the international databases Web of Science (Thomson Reuters), Scopus, RSCI, PubMed. Information about scientific supervisors of undergraduates is indicated in the Self-accreditation Report. The master student works in accordance with his own Individual work plan, consultations with the supervisor are carried out as necessary in a free mode; Interviews with teaching staff and undergraduates.

Analytical part

The supervisor ensures the successful implementation of the tasks set, conducts systematic monitoring at the stages of the study, discusses the results, makes adjustments in the course of work and provides assistance at certain stages of the dissertation.

Together with the supervisor, the master student fills out an individual work plan during the entire period of study. During the intermediate attestation, undergraduates provide a completed journal to the Center for Master's and Doctoral Studies to receive information about the progress of writing a dissertation. Intermediate certification is carried out in accordance with the schedule and academic calendar 1-2 times a year. A commission is being created that monitors the progress of writing a dissertation work, compliance with the deadlines specified when approving the research topic, and also pays attention to the progress of the undergraduate.

In order to confirm the entries in the individual work plan, the undergraduate submits to the commission information about publications, about the work done on the dissertation as a whole.

An individual work plan is written with the direct participation and control of the supervisor of each undergraduate. At the same time, throughout the entire period of study, an individual work plan is kept by the undergraduate. He provides it during the passage of intermediate certification, and after graduation, he submits it to the Center for Master's and Doctoral Studies; Individual work plan, interviews with teaching staff and undergraduates.

Strengths/best practice:

No strengths identified for this standard.

WEC recommendations

There are no recommendations for this standard..

EEC conclusions by criteria:

- ✓ strong positions - 0
- ✓ satisfactory - 6

- ✓ *suggest improvements -0*
- ✓ *unsatisfactory – 0*

6.6. Standard "Thesis"

Evidence

The procedure for approving the scientific topics of dissertations of undergraduates in the specialty "Nursing" and their supervisors is implemented in accordance with the Regulation "On training in the magistracy" PL-MUA-121 and the Working Instruction "Requirements for the content, design and defense of a master's thesis" RI-MUA- eighteen. According to PL-MUA-121 of the University, the term for mastering the educational program of undergraduates in the scientific and pedagogical direction, including the preparation of a dissertation, is two years.

The topic of the master's thesis with justification and structure, the plan for the implementation of the master's thesis indicating the deadlines for completing the work on the thesis, the plan for scientific publications, internships (if necessary) are reflected in the individual work plan of the undergraduate.

Requirements for the structure of a master's thesis are regulated by RI-MUA-18. The instruction describes in detail the characteristics of all structural elements, such as: title page, content, normative references, definitions, symbols and abbreviations, list of tables and figures, introduction, main part, conclusion, conclusions, practical recommendations, list of references, applications.

All dissertations completed within the walls of the university for the academic degree of master in nursing, before pre-defense at the ISS, are discussed at the level of the graduating department. The decision of the meeting of the graduating department is drawn up in the form of a protocol, an extract from which is sent to the Center for Master's and Doctoral Studies.

According to PL-MUA-121, the defense of a master's thesis is carried out if:

- positive feedback from the supervisor;
- at least one publication on the topic of the dissertation in scientific journals or speech at an international or republican scientific conference;
- a written opinion of the expert commission on the recommendation for public defense of the dissertation;
- the decision of the graduating department on the recommendation for public defense of the dissertation (extract from the minutes of the meeting of the department);
- one review by a reviewer whose qualifications (scientific or academic degree) correspond to the profile of the defended work, which provides a comprehensive description of the dissertation and a reasoned conclusion on the possibility of awarding a master's academic degree in the relevant specialty.

In the event that the supervisor and / or the graduating department gives a negative conclusion "not allowed for defense" or "not recommended for defense", the undergraduate does not defend his master's thesis.

Analytical part

NJSC "Astana Medical University" closely cooperates with the National Scientific Center for Health Development named after Salidat Kairbekova, an organization that provides strong methodological support to the healthcare system of the Republic of Kazakhstan based on regular research and development. Therefore, a master's student has the opportunity to choose a dissertation topic from the list of areas that are relevant for the development of domestic healthcare and recommended by this organization.

The University publishes 3 specialized periodicals:

- 1) "Astana medicine journals" since 1989, included in the List of scientific publications recommended by the Committee for Control in Education and Science of the Ministry of Education and Science of the Republic of Kazakhstan for the publication of the main results of

scientific activity. In July 2013, "Astana Medicinal Journals" successfully passed re-certification in accordance with the new rules of the Law on Science, entered the List of journals recommended by the Committee for Control in Education and Science of the Ministry of Education and Science of the Republic of Kazakhstan;

2) "Otorhinolaryngology - bass, moiyn surgery", has been formed on the basis of the Department of ENT diseases since 2006;

3) "Valeology, health, disease, recovery", formed on the basis of the Department of Preventive Medicine and Nutrition since 2010.

In addition, the Research Center of the University annually organizes international scientific and practical conferences, where young scientists take part, as well as publish articles or abstracts of their research papers.

The specialized periodical publication "Astana medical journals" (included in the List of KKSON MES RK) and the holding of annual conferences of young scientists within the walls of the university contribute to increasing the publication activity of students. All dissertations of undergraduates who defended a master's degree in the specialty "Nursing" are accompanied by publications and participation in international scientific and practical conferences. At the same time, the university, as areas for improvement, notes the low proportion of dissertations prepared in the state language, as well as the decrease or absence of a state order for the preparation of masters in the scientific and pedagogical direction and insufficient funding of the material and technical base of the educational program of the master's program.

Strengths/best practice:

No strengths identified for this standard.

WEC recommendations

There are no recommendations for this standard.

EEC conclusions by criteria:

- ✓ *strong positions - 0*
- ✓ *satisfactory - 11*
- ✓ *suggest improvements - 0*
- ✓ *unsatisfactory - 0*

6.7. Standard "Evaluation of dissertations"

Evidence

The activities of the university in training undergraduates in the specialty "Nursing" are regulated by the University Standard SU-MUA-45 "Training in the magistracy", as well as the working instruction "Requirements for the content, design and defense of a master's thesis" RI-MUA-18, approved by the decision of the Board of the NAO "MUA" dated June 18, 2021 No. 18, based on the regulatory documents of the Ministry of Education and Science of the Republic of Kazakhstan.

To take a comprehensive exam for undergraduates and review master's theses, the university forms the SAC. The list of members of the State Attestation Commission in the specialty "Nursing" in 2021 is given in the Self-Assessment Report.

The final assessment for the defense of the master's work is made collectively by the members of the State Attestation Commission at a closed meeting of the SAC members by open voting. This decision is made by a simple majority vote of the commission members participating in the meeting. In case of an equal number of votes, the chairman's vote is decisive. The results of the defense are announced to the undergraduate on the day of the defense after the completion of the protocol for the defense of the dissertation in the presence of all members of the SAC.

The master's thesis must undergo a review procedure and check for borrowing without reference to the author and the source of borrowing, carried out in accordance with the state compulsory education standards for postgraduate education of the master's program according to the "Anti-plagiarism" system, carried out in accordance with a bilateral agreement between the university and the National Center for Scientific and Technical Information (g . Almaty).

According to the requirements, the main results of the master's thesis are presented in at least one publication or one presentation at a scientific and practical conference. The defense of the master's thesis is held at an open meeting of the SAC with the participation of at least 2/3 of its members. The duration of the defense of one master's thesis should not be less than 50 minutes. To defend the master's thesis, the undergraduate makes a report to the SAC for at least 15 minutes.

A master student who has mastered the educational program of postgraduate education and passed the final certification is awarded the academic degree "Master" and is issued a state-recognized diploma with an appendix.

Brief information about the defense procedure for a master student can be found on the website of the university in the section postgraduate education, master's degree.

Analytical part

The requirements for the procedure for the oral defense of the dissertation both at the stage of interim review, review and at the stage of final defense in the SAC are published in the working instruction "Requirements for the content, design and defense of a master's thesis" RI-MUA-18, approved by the decision of the Board of JSC "MUA" No. 18 dated 06/18/2021 (the frequency of revision of the university standard is 1 time in 3 years).

Defense of a master's thesis is carried out in the presence of:

- positive feedback from the supervisor;
- at least one publication on the topic of the dissertation in scientific journals or speech at an international or republican scientific conference;
- certificate of passing the test for plagiarism and the presence of 70% of the uniqueness of the test;
- a written opinion on ethical and moral-legal assessment (for clinical experimental research);
- the decision of the graduating department on the recommendation for defense (extract from the minutes of the extended meeting of the department);
- one review by a reviewer whose qualifications (scientific or academic degree) correspond to the profile of the defended work, which provides a comprehensive description of the dissertation and a reasoned conclusion on the possibility of awarding a master's academic degree in the relevant specialty.

In the event that the supervisor and / or the graduating department gives a negative conclusion "not allowed for defense" or "not recommended for defense", the undergraduate does not defend his master's thesis. The results of defending a master's thesis are documented in a protocol, individually for each undergraduate.

For the reporting period 2019 - 2021 3 undergraduates studied in the magistracy in the specialty "Nursing", 3 dissertations were defended.

Strengths/best practice:

No strengths identified for this standard.

WEC recommendations

There are no recommendations for this standard..

EEC conclusions by criteria:

✓ strong positions - 0

- ✓ *satisfactory* - 7
- ✓ *suggest improvements* - 0
- ✓ *unsatisfactory* – 0

6.8. Standard "Management and Administration"

Evidence

Within the framework of the current legislation of the Republic of Kazakhstan, NJSC "MUA" has developed and implemented a management system that allows to fully implement the mission, goals and development strategy of the university, organize work to train highly qualified specialists with higher education and scientific and pedagogical personnel for the national healthcare system at a high professional level. The direct management of the educational process at the postgraduate level is carried out by the vice-rector for scientific work - a member of the Board, reporting to the Chairman of the Board - the rector of NJSC "MUA".

The main management of master's programs and coordination of the activities of the graduating departments is carried out by the Center for Master's and Doctoral Studies, which is an administrative structural subdivision of NJSC "MUA". The Center is part of the Research Department and reports to the Vice-Rector for Research. The main educational-scientific-theoretical units that train undergraduates in the specialty "Nursing" are the departments according to the Order acting. Minister of Health and Social Development of the Republic of Kazakhstan dated July 31, 2015 No. 647: "On approval of state mandatory standards and model professional training programs in medical and pharmaceutical specialties" (as amended on February 21, 2020) of the educational program "Nursing".

The vice-rector at meetings with postgraduate students maintains regular feedback on design issues in the formation of IEP, planning scientific internships, academic mobility, etc., management and evaluation of master's programs (meetings with teaching staff, meetings, questionnaires).

Undergraduates are involved in the work on the development of the EP by participating in the discussion of the EP (they are invited to the meetings of the department), using survey methods to assess the quality of the programs being implemented, the degree of satisfaction of the undergraduates with the educational services provided, the organization of various types of work, etc. The data obtained as a result of the survey will be used to improve the OP and the processes for their implementation.

Current and prospective issues of educational, scientific and clinical areas for master's programs of the CMD are decided at the level of the supervising director of the department, vice-rector and rector. The issues of the educational and scientific part of the program are the subject of discussion of the monthly meeting at the councils of the faculty, KOC OP, commissions under the Academic Council and the Board of NJSC "MUA".

To ensure openness of discussion of problems and ideas for teaching undergraduates, the official website (<http://amu.kz>) of the university has a rector's blog for all students; once a year, a meeting of the rector with a contingent of university and postgraduate education is held.

To ensure the transparency of the management system and decisions made, the minutes of the Academic Council are posted on the university website.

Teaching staff, employees, students and representatives of practical healthcare are involved in the management of educational programs through their inclusion in the advisory bodies. To modify the educational program or make additions and changes to existing programs, an opportunity is provided for all university staff, teaching staff, students and other interested parties. In connection with the choice of learning paths and changes in the need to study certain disciplines, the list of disciplines of the elective component is periodically updated. Benchmarking, studying the experience of partner universities, contributes to the improvement of the educational program, taking into account foreign experience. In NJSC "MUA" the mechanism of external influence on the development of the educational program is the constant

analysis and monitoring of feedback from employers, the study of their needs and expectations in the process of questioning, holding joint conferences and seminars.

The management decision-making system at the university level is carried out in accordance with the organizational structure and legal documents of the university that regulate the activities of the University (Decisions of the Board of Directors, Orders of the Rector, Decisions of collegiate bodies of the University, Standards, Regulations on areas of activity, Regulations on divisions, Job descriptions). The organizational structure of the University is formed in accordance with the mission, goals and objectives of the University, taking into account the types of activities, training needs, educational and financial standards; Interviews with teaching staff and students, questioning of teaching staff and students.

Analytical part

Taking into account the difficulties of reforming and changing the role of nursing and the attitude to this process in health care and society, the mere inclusion of representatives of practical health care and, especially, the public, into the advisory bodies, seems insufficient to manage the educational program of the master's degree in Nursing. Approaches to modifying the educational program should be determined based on feedback from the public and society as a whole, studying real expectations and conditions..

Strengths/best practice:

No strengths identified for this standard.

WEC recommendations

Regular approaches to modifying the educational program should be identified based on the conditions in which graduates will work and feedback from the public (regional health departments, practical health organizations, professional associations of nurses, non-governmental organizations of patients) and society as a whole.

EEC conclusions by criteria:

- ✓ *strong positions* - 0
- ✓ *satisfactory* - 20
- ✓ *suggest improvements* -1
- ✓ *unsatisfactory* – 0

6.9. Continual Improvement Standard

Evidence

The value-oriented management structure of the university ensures the achievement of the main goal of the institution - the implementation of educational programs in the context of continuous changes. NAO AMU annually reviews the organizational structure of management in accordance with the reform of education and healthcare in the Republic of Kazakhstan, changes in the practice of world educational management. Over the years, new structural units (Centres, Institutes, schools, etc.) were created and added in accordance with changes in the functions and tasks to ensure the quality of educational programs.

The created new process structures - committees of educational programs, educational departments in the areas of training, ensure the implementation of a competence-oriented model of medical education and the quality of the educational process.

All financial expenses are included in the development plan of the university and, if necessary, can be applied according to the item of expenditure by the decision of the University Board.

The results of the self-assessments are used for analysis to correct deficiencies, as well as in the development of strategy, quality policy and revision of the organizational structure and

functions. At NAO AMU, resources are constantly allocated based on ongoing reviews for continuous improvement.

Analytical part

A process of updating the program based on forward-looking research and analysis and on the results of one's own research, evaluation and literature on postgraduate medical education should be provided at all levels of the educational program. In this regard, references should be made available in the Syllabuses of disciplines and practices.

The specialty of nursing is clinical, however, the clinical section of the workload of teaching staff is currently not defined and not regulated.

Strengths/best practice:

No strengths identified for this standard.

WEC recommendations

1. 1. Provide a process for updating the disciplines and practices of the educational program based on promising research and literature on postgraduate medical education, references to which must be indicated in the Syllabuses for the new academic year (2022-2023).
2. 2. Regulate the types and volume of the clinical component of the workload of teachers with higher nursing education and fix it in the documents of the university (2022-2023.).

EEC conclusions by criteria:

- ✓ *strong positions* - 0
- ✓ *satisfactory* - 9
- ✓ *suggest improvements* - 2
- ✓ *unsatisfactory* – 0

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

Standard "MISSION AND OUTCOMES OF TRAINING"

Academic freedom is successfully implemented in NJSC "Astana Medical University" by including elective disciplines in the educational program of the master's program "Nursing", developed taking into account the topics of ongoing master's studies and with the involvement of undergraduates.

Standard "RESEARCH ENVIRONMENT AND EDUCATIONAL RESOURCES"»

1. 1. NJSC "MUA", after participating in the international grant project ERASMUS + ProInCa (2017-2020), takes part in the implementation of the second international project AccelEd 2020-2023 "Improving nursing at the level of master's and doctoral studies in the higher education system of Kazakhstan".
2. 2. The university guarantees favorable conditions for undergraduates and constructive interaction with the healthcare sector, organizing independent and research work, including on the basis of the State Enterprise on the REM "Multiprofile City Hospital No. 3", where there is a head of nursing with a higher nursing education.
3. 3. The university successfully implements the resource policy and ensures the maintenance of the professional growth of teachers: in the staff of the profile department "Nursing" out of 12 employees, 6 are specialists in higher nursing, masters, one more employee is studying in the master's program.

Standard "POLICY AND CRITERIA FOR ADMISSION»

No strengths identified for this standard.

Standard "MASTER'S PROGRAM»

No strengths identified for this standard.

Standard "SCIENTIFIC GUIDANCE»

No strengths identified for this standard.

Standard "DISERTION»

No strengths identified for this standard.

Standard "EVALUATION OF DISSERT WORKS»

No strengths identified for this standard.

Standard "MANAGEMENT AND ADMINISTRATION»

No strengths identified for this standard.

Standard for CONTINUOUS IMPROVEMENT»

No strengths identified for this standard.

(VIII) OVERVIEW OF RECOMMENDATIONS FOR IMPROVING QUALITY

Standard "MISSION AND OUTCOMES OF TRAINING"

It is recommended to make wider use of the educational and research capabilities of the Center for Excellence in Nursing for the planning and implementation of the educational, scientific and innovative components of the master's program "Nursing».

Standard "RESEARCH ENVIRONMENT AND EDUCATIONAL RESOURCES"

1. To support cooperation between higher education institutions, joint master's programs with the award of degrees and joint leadership should be developed within the time frame for the implementation of the international project AccelEd 2020-2023 "Improving Nursing at the Master's and Doctoral Levels in the Higher Education System of Kazakhstan".

2. Expand the information content of the section of the Website dedicated to master's programs

Standard "POLICY AND CRITERIA FOR ADMISSION»

There are no recommendations for this standard..

Standard "MASTER'S PROGRAM»

There are no recommendations for this standard..

Standard "SCIENTIFIC GUIDANCE»

There are no recommendations for this standard.

Standard "DISERTION»

There are no recommendations for this standard..

Standard "EVALUATION OF DISSERT WORKS»

There are no recommendations for this standard.

Standard "MANAGEMENT AND ADMINISTRATION»

Regular approaches to modifying the educational program should be identified based on the conditions in which graduates will work and feedback from the public (regional health departments, practical health organizations, professional associations of nurses, non-governmental organizations of patients) and society as a whole.

Standard for CONTINUOUS IMPROVEMENT»

3. Provide a process for updating the disciplines and practices of the educational program based on promising research and literature on postgraduate medical education, references to which must be indicated in the Syllabuses for the new academic year (2022-2023).
4. Regulate the types and volume of the clinical component of the workload of teachers with higher nursing education and fix it in the documents of the university (2022-2023.).

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

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(X) RECOMMENDATION TO THE ACCREDITATION BOARD

The EEC members came to the unanimous opinion that EP 7M10101 Nursing is recommended for accreditation for a period of 5 years.



Appendix 1. Evaluation table "PARAMETERS OF A SPECIALIZED PROFILE"

		CRITERIA FOR EVALUATION	Position of the educational organization			
			Strong	Satisfactory	Assumes improvement	Unsatisfactory
		"MISSION AND OUTCOMES OF TRAINING"				
		Definition of the mission of the educational program				
1	1	The medical education organization should define its mission of the educational program and bring it to the attention of stakeholders and the healthcare sector.		+		
2	2	The medical education organization must ensure that the main stakeholders are involved in the development (formulation) of the mission of the educational program.		+		
3	3	The mission statement of the educational program should contain the objectives and educational strategy of the program to prepare a competent researcher at the level of postgraduate medical/pharmaceutical education.		+		
4	4	The medical education organization must ensure that the stated mission of the educational program includes the problems of public health, the needs of the medical and pharmaceutical care system, and other aspects of social responsibility.		+		
5	5	The medical education organization must ensure that the mission of the educational program is consistent with the mission of the organization and allow the preparation of a competent researcher at the level of postgraduate medical education.		+		
6	6	A medical education organization must have a strategic plan for the development of an educational program that corresponds to the stated mission of a medical education organization, including issues of improving the quality of master's programs and approved by the advisory board of a medical education organization.		+		
7	7	The medical education organization should systematically collect, accumulate and analyze information on the quality of the implementation of master's programs; conduct an assessment of strengths and weaknesses (SWOT-analysis), on the basis of which the administration (pro-rectorate), together with the advisory council, should determine policy and develop strategic and tactical plans		+		
		Миссия и цели образовательной программы:				
8	8	<ul style="list-style-type: none"> - should correspond to available resources, opportunities and requirements of the market; - ways to support them should be determined. 		+		
9	9	The medical education organization must provide access to information about the mission, goals of the medical education organization for the public (availability of information in the media, on the website of the university).		+		

10	10	The mission of the educational program, as well as the mission and goals of the medical education organization, must be approved by the advisory board		+		
		Institutional autonomy and academic freedom				
11	11	An organization implementing master's degree programs should have institutional autonomy to develop and implement policies for which faculty and administration are responsible, especially with regard to: □ development of an educational program; - use of allocated resources necessary for the implementation of the educational program.			+	
		A medical education organization should guarantee academic freedom to its employees and undergraduates:				
12	12	- in relation to the current educational program, in which it will be allowed to rely on different points of view in the description and analysis of issues in medicine and pharmacy;	+			
13	13	- in the possibility of using the results of new research to improve the study of specific disciplines / issues without expanding the educational program.		+		
		Learning Outcomes				
14	14	The medical education organization must determine the expected learning outcomes that undergraduates must exhibit after completing the master's program.		+		
15	15	Master's studies with the award of an academic master's degree should provide undergraduates with the competencies that will allow them to become a qualified teacher and / or researcher in accordance with the principles of best research practice.		+		
16	16	Completion of a master's program should be of potential benefit to those pursuing a career outside of the medical organization and applying their competencies developed during the master's program, including - critical analysis, assessment and solution of complex problems, the ability to transfer new technologies and synthesis of new ideas.		+		
17	17	The medical education organization should ensure that a regular (at least once a year) process of updating and restructuring leads to the modification of the final learning outcomes of graduates in accordance with the responsibilities that are assigned to graduates after graduation from the master's program.		+		
		Total	1	15	1	0
		Standard "RESEARCH ENVIRONMENT AND EDUCATIONAL RESOURCES"				
		Research environment				
18	1	The success of individual master's programs must be ensured by the organization of a strong and effective research environment.		+		
		The quality of the research environment should be assessed by analyzing:		+		
19	2	publications of research results (number of publications, impact factor, etc.) on the profile of a master's program in a medical education organization;		+		
20	3	the level of attracting external funding for scientific research in a medical educational institution;		+		
21	4	the number of qualified and competent teachers, researchers in a group, faculty, educational institution;		+		
22	5	national and international cooperation with research groups of medical organizations, universities, research centers.	+			
23	6	Research must be conducted in accordance with international ethical standards and approved by the appropriate and		+		

		competent ethics committees.				
24	7	In order to provide access to the means needed to write a dissertation, master's programs may include studies in other laboratories, preferably in another country, thus ensuring internationalization		+		
25	8	The implementation of the master's program should take place in the conditions of joint planning of training and research and the general responsibility of the supervisor and undergraduate for the final results.		+		
26	9	The medical education institution should explore the possibility of providing joint master's degree programs from both universities and joint leadership to support cooperation between higher education institutions.			+	
27	10	The medical education organization should ensure that the process of updating educational resources is carried out in accordance with changing needs, such as the recruitment of undergraduates, the number and profile of academic staff, the master's program.		+		
		The medical education organization should:				
28	11	- provide sufficient autonomy in the distribution of resources, including decent remuneration of teachers in order to achieve the final learning outcomes defined by the relevant indicators;		+		
		When allocating resources, take into account:				
29	12	a) scientific achievements in the field of medicine; b) public health problems and needs		+		
		Material and technical base				
		A medical education organization must have material and technical support that meets the licensed indicators, which include the following criteria:		+		
30	13	classrooms, laboratories and their equipment must be modern and adequate to the goals and objectives of the master's program;		+		
31	14	undergraduates should be provided with conditions for the implementation of independent educational and research work;	+			
32	15	renewal and improvement of the material and technical base should be carried out regularly.		+		
33	16	The medical education organization must have sufficient resources for the proper implementation of the master's program. The resources of the organization should provide: - admission of undergraduates, - organization of training in the master's program, - dissertation work, - scientific guidance - advising undergraduates, - review, review and evaluation of the dissertation, - awarding an academic master's degree, - operating costs, - expenses for participation in training courses, in international scientific conferences, - payment for tuition in the magistracy in institutions where this is practiced. Resources also include an undergraduate scholarship, however fees may vary.		+		
34	17	The resource policy should be aimed at maintaining and ensuring the constant professional growth of teachers of the master's program.	+			
35	18	The medical education organization must provide a safe environment for employees, undergraduates and those who ensure the implementation of the program, including providing the necessary information and protection from harmful		+		

		substances, microorganisms, observing safety rules in the laboratory and when using equipment.				
36	19	A medical education organization should have a service and support service for future undergraduates, including a registrar office, research centers and laboratories, a canteen, a canteen, a medical center, sports grounds and halls.		+		
37	20	The medical education organization has approved procedures for improving the learning environment for undergraduates through regular renewal, expansion and strengthening of the material and technical base, which must correspond to the development in teaching practice.		+		
		Information Technology				
38	21	A medical education organization must have information support that meets the goals and objectives of the master's program.		+		
39	22	The library should contain materials necessary for training - educational, technical, scientific and reference literature, various medical periodicals, etc.		+		
40	23	Undergraduates should have timely and free access to library resources.		+		
41	24	The library should have basic technical equipment to support daily activities: fax machines, copiers, computers, printers available for public use, and a telephone with voice mail or answering machine.		+		
42	25	The library must have an information website. A website may include the following elements: links, interlibrary loan forms, full-text electronic journal articles, and a feedback form.		+		
43	26	The medical education organization should regularly monitor library resources, study and implement strategies to meet the existing and future needs of undergraduates.		+		
44	27	Undergraduates should use computer classes and terminals with access to information resources (local network, Internet).		+		
45	28	In a medical education institution, accessibility and adequate use of information resources by undergraduates should be monitored.		+		
46	29	The medical educational organization should constantly update, improve and expand the base of information resources with the provision of access for undergraduates to modern electronic databases, including foreign databases (Thomson Reuters (Web of Science, Thomson Reuters), Scopus, Pubmed, Elsevier, etc.).		+		
47	30	A medical education organization must open and constantly update a section on its website dedicated to master's programs containing the following information: - structure and staff of the department of magistracy, duties of the head and employees of the department; - admission policy, including clear rules on the selection process for undergraduates; - list of master's programs; - structure, duration and content of master's programs; - criteria for the appointment of a supervisor, outlining the characteristics, duties and qualifications of the supervisor; - methods used to assess undergraduates; - criteria for designing and writing a dissertation; - description of the procedure for defending a dissertation work; - description of the work of the State Attestation Commission for the defense of master's theses; - program of quality assurance and regular evaluation of the master's program; - information about undergraduates, taking into account the year of study;			+	

		- information about the employment of graduates of the master's program for the last 3 years, taking into account the direction of study (scientific and pedagogical, specialized).				
		Total	3	25	2	0
		Standard "POLICY AND CRITERIA FOR ADMISSION"				
48	1	The medical education institution must define and implement an admissions policy, including a clearly defined regulation on the selection process for undergraduates.		+		
49	2	Candidates for the master's program must have completed professional higher education programs (basic medical / pharmaceutical / chemical, higher professional (basic medical + internship) or postgraduate education (residency)).		+		
50	3	When selecting future undergraduates, one should evaluate the research potential of the applicant, and not just take into account his academic performance.		+		
51	4	In a medical education organization, there should be a system for studying employment, demand, career support and continuous professional development of graduates.		+		
52	5	The data obtained through this system should be used to further improve educational programs.		+		
53	6	The medical education organization should ensure that the process of updating and restructuring the educational program of the master's program leads to the adaptation of the admission policy for undergraduates, taking into account changing expectations and circumstances, needs for human resources, changes in the postgraduate education system and the needs of the program.		+		
		Total	0	6	0	0
		Standard "MASTER'S PROGRAM"				
		Model of the educational program, teaching methods and structure				
54	1	A medical education organization should define a model of an educational program that includes an integrated model based on interdisciplinary communication and a competency-based approach, using modular learning technologies, taking into account the final learning outcomes.		+		
55	2	The medical education organization must determine the purpose and objectives of the master's program, which are aimed at achieving the mission of the educational organization, the mission of the educational program and the final learning outcomes.		+		
56	3	The medical education organization must ensure that the content of the educational program meets the requirements of the State Educational Standards and the standard curriculum of the relevant specialty and is developed taking into account the needs of the labor market		+		
57	4	The medical education organization must ensure the implementation of the educational program with the relevant working curricula, the academic calendar, the curriculum for the disciplines, the forms of the individual curriculum for future undergraduates and the individual work plan of the undergraduate		+		
58	5	The master's program must be based on the performance of original research, which requires analytical and critical thinking and must be carried out under scientific supervision.		+		
59	6	The medical education organization must ensure that the educational program is implemented in accordance with the principles of equality.		+		
60	7	The medical education organization must ensure that the undergraduate fulfills obligations towards doctors, teachers,		+		

		colleagues, patients and their relatives in accordance with the Code of Conduct / Code of Honor.				
61	8	The master's program must ensure that undergraduates are taught the rules of ethics and the responsible conduct of scientific research.		+		
62	9	The medical education organization should determine the teaching and learning methods used that are appropriate for the educational program and the achievement of students' competencies.		+		
63	10	The master's program should be structured with a clear time limit equivalent to 1-2 years full-time and contain: - theoretical training, including the study of cycles of basic and major disciplines; - practical training of undergraduates - various types of practices, professional internships; - research work, including the implementation of a master's thesis for scientific and pedagogical magistracy; - experimental research work, including the implementation of a master's thesis for a specialized master's program; - methodological approaches and principles of education corresponding to the educational program and the achievement of students' competencies		+		
64	11	The medical education organization should provide mechanisms for the implementation of pedagogical practice (in accordance with the type of master's degree) for the formation of practical skills and teaching methods in undergraduates.		+		
65	12	The medical education organization should provide mechanisms for the implementation of research practice to form undergraduates' knowledge, skills, competencies in the field of the latest theoretical, methodological and technological achievements of domestic and foreign science, modern methods of scientific research, processing and interpretation of experimental data.		+		
66	13	The medical education organization should provide mechanisms for the implementation of work practice for the formation of practical skills, competencies and experience of professional activity in the specialty being taught, as well as the development of best practices among undergraduates on the basis of theoretical knowledge				
67	14	The medical education organization must ensure that future undergraduates will have the opportunity to study under the academic mobility program, have mechanisms / procedures for accepting students from other universities, recognizing loans mastered under the academic mobility program		+		
68	15	In a medical education institution, an appeal mechanism should be developed to allow undergraduates to review the decision regarding their programs and the evaluation of their dissertations.		+		
		Graduate Program Evaluation				
69	16	A medical education organization should have a program for monitoring processes and results, including the routine collection of data on key aspects of the educational program. The purpose of monitoring is to ensure the quality of the educational process, to identify areas requiring intervention.		+		
70	17	The medical education organization should, on the basis of approved mechanisms, regularly assess the quality of the program, including feedback from supervisors, employers and undergraduates.		+		
71	18	Based on the approved mechanisms, the medical education organization should systematically collect, analyze and provide feedback to teachers and undergraduates, which includes		+		

		information about the process and products of the educational program, including information about unfair practices or inappropriate behavior of teachers or undergraduates.				
		The medical education organization should ensure that the process of updating and restructuring is carried out regularly and is aimed at:				
72	19	- adaptation of the model of the educational program and methodological approaches in training in order to ensure that they are appropriate and appropriate;		+		
73	20	- adjustment of the elements of the program and their relationship in accordance with advances in the medical sciences, with changes in the demographic situation and the state of health / structure of the incidence of the population and socio-economic, cultural conditions.		+		
		Stakeholder Engagement				
74	21	The medical education organization should involve the teaching staff and undergraduates, its administration and management in its monitoring program and activities for the evaluation of the educational program.		+		
75	22	The medical education organization should involve other stakeholders in the evaluation process, including representatives of academic and administrative staff, representatives of the public, authorized bodies for education and health, professional organizations, and also develop mechanisms to encourage the participation of external experts in the evaluation of the educational program.		+		
76	23	The medical education organization should provide access to the results of the evaluation of the educational program to all interested parties.		+		
77	24	The medical education organization should ensure that the process of updating and restructuring leads to an improvement in the process of monitoring and evaluation of the program in accordance with changes in the learning outcomes and teaching and learning methods.		+		
		Total	0	24	0	0
		Standard "SCIENTIFIC GUIDE"				
78	1	The medical education organization must assign each undergraduate a supervisor, and, in appropriate cases, a co-supervisor in order to cover all aspects of the program.		+		
79	2	A medical education organization should have mechanisms/procedures that regulate the process of discussing and approving the candidacy of a supervisor and a research topic for a master student in accordance with the standard requirements and SCES.		+		
80	3	The medical education organization must ensure that the candidates for supervisors will be selected from specialists who have a scientific degree and are actively engaged in scientific research in the field of science in the specialty of undergraduate education.		+		
81	4	The medical education organization should have clearly defined duties and responsibilities of the supervisor.		+		
82	5	Supervisors should consult regularly with their undergraduates.		+		
83	6	The undergraduate must study on the basis of an approved individual work plan, which is compiled under the guidance of a supervisor, which should be reflected in the approved reports heard at the meeting of the department (departments) for each six months		+		
		Total	0	6	0	0
		Standard "DISERTION"				

84	1	The topic of the dissertation and the supervisor of the undergraduate must be approved after admission to the master's program.		+		
85	2	The topic of the dissertation work must be evaluated and approved by a group of independent experts (examiners) by external evaluation of the written description or based on the presentation of the research work.		+		
86	3	The master's program should end with the preparation and defense of a master's thesis, which is an indicator of the formation of competencies in a master's student in accordance with the educational program.		+		
87	4	Research work in the scientific and pedagogical magistracy should: - correspond to the main problems of the specialty in which the master's thesis is defended; - be relevant, contain scientific novelty and practical significance; - be based on modern theoretical, methodological and technological achievements of science and practice; - be carried out using modern methods of scientific research; - contain research (methodological, practical) sections on the main protected provisions; - be based on international best practices in the relevant field of knowledge.		+		
88	5	Experimental research work in a specialized master's program should: - correspond to the main problems of the specialty in which the master's thesis is defended; - be based on modern achievements in science, technology and production and contain specific practical recommendations, independent solutions to management problems; - be carried out using advanced information technologies; - contain experimental and research (methodological, practical) sections on the main protected provisions		+		
89	6	The medical education organization should determine the term for preparing the dissertation, limited to 1-2 years.		+		
90	7	The dissertation must be written by the undergraduate independently, contain a set of scientific results and provisions put forward by the author for public defense.		+		
91	8	The structure of the dissertation should include a literature review related to the research topic, goals and objectives of the research work, research methodology, results, discussion, conclusion, conclusions and further prospects for the research.		+		
92	9	The results of the dissertation work should be available to interested parties (undergraduates, supervisors, employees of the organization where the dissertation was carried out, researchers performing scientific work in a similar direction, and other categories of interested parties), i.e. published unless copyright or other reasons prevent it.		+		
93	10	The dissertation work must be accompanied by at least one publication and/or one presentation at a scientific and practical conference.		+		
94	11	The medical education organization should provide a discussion of the dissertation of the undergraduate at a meeting of the department (departments) where the dissertation was carried out.		+		
		Total	0	11	0	0
		Standard "ASSESSMENT OF DISSERT WORKS"				
95	1	The medical education organization must determine, approve and publish the principles, methods and practices used to evaluate undergraduates, including the criteria for evaluating		+		

		scientific work.				
96	2	The final assessment and approval of the dissertation work should be carried out by the State Attestation Commission (SAC) for the defense of master's theses.		+		
97	3	The dissertation defense should be carried out in a medical education institution where a master student is studying.		+		
98	4	The dissertation must be peer-reviewed (externally) in a medical education organization similar in profile by a person with a PhD or PhD-doctor degree in the profile of the thesis being defended.		+		
99	5	The dissertation defense should include both the preparation of a written version of the report and the subsequent oral defense.		+		
100	6	The dissertation defense must be open to the public.		+		
101	7	The academic master's degree should be awarded by a medical education institution based on the decision of the SAC, which evaluates the dissertation (the "Dissertation" standard) and oral defense.		+		
		Total	0	7	0	0
		Standard "MANAGEMENT AND ADMINISTRATION"				
		Program Management				
102	1	The management of a medical education organization must be effective and ensure the improvement of the educational program.		+		
103	2	The medical education organization must determine the structural unit responsible for the implementation of educational programs of postgraduate education and the achievement of the final learning outcomes.		+		
104	3	The structural unit responsible for the implementation of educational programs of postgraduate education should have the authority to plan and implement the educational program, including the allocation of allocated resources for the planning and implementation of teaching and learning methods, assessment of undergraduates, assessment of the educational program and courses of study.		+		
105	4	The medical education organization must guarantee the interaction of undergraduates with management on the design, management and evaluation of master's programs.		+		
106	5	The medical education organization should encourage and facilitate the involvement of undergraduates in the process of developing educational programs for the preparation of undergraduates.		+		
107	6	The structural unit responsible for the implementation of educational programs of postgraduate education must ensure the transparency of the management system and decisions that are published in bulletins, posted on the website of the university, included in the protocols for review and execution.		+		
108	7	The medical education organization should, through the structural unit responsible for the implementation of educational programs of postgraduate education, plan and implement innovations in the educational program.		+		
109	8	The medical education organization should include representatives from other relevant stakeholders in the advisory body responsible for the implementation of educational programs of postgraduate education, including other participants in the educational process, representatives from clinical and industrial bases, graduates of medical education organizations, health care / pharmacy professionals involved in the learning process or other teachers of the faculties of the university.		+		
110	9	The medical education organization should ensure that the structural unit responsible for the implementation of educational			+	

		<p>programs of postgraduate education:</p> <ul style="list-style-type: none"> - takes into account the peculiarities of the conditions in which graduates will have to work and, accordingly, modify the educational program; - considers the modification of the educational program based on feedback from the public and society as a whole. 				
111	10	The medical education organization should ensure that the process of renewal and restructuring leads to the improvement of the organizational structure and principles of management of the master's program to ensure effective operation and (in the long term) to meet the interests of various stakeholder groups in the face of changing circumstances and needs.		+		
		Academic Leadership				
112	11	The medical education organization must clearly define the responsibility of the academic leadership in relation to the development and management of the educational program.		+		
113	12	A medical education organization should periodically evaluate academic leadership regarding the achievement of its mission and learning outcomes.		+		
		Training budget and resource allocation				
114	13	<p>The medical education organization must:</p> <ul style="list-style-type: none"> - have a clear terms of reference and authority to provide the educational program with resources, including the target budget for education; - allocate the resources necessary for the implementation of the educational program, and distribute educational resources in accordance with their needs. 		+		
115	14	The system of financing a medical educational organization should be based on the principles of efficiency, effectiveness, priority, transparency, responsibility, differentiation and independence of all levels of budgets.		+		
116	15	Financial and administrative policies should be aimed at improving the quality of the educational program.		+		
		Administrative staff and management				
117	16	<p>A medical education organization must have an appropriate administrative and academic staff, including their number and composition in accordance with qualifications, in order to:</p> <ul style="list-style-type: none"> - ensure the implementation of the educational program and relevant activities; - ensure proper management and allocation of resources. 		+		
118	17	The medical education organization should develop and implement an internal management quality assurance program, including consideration of needs for improvement, and conduct regular management review and analysis.		+		
119	18	The medical education organization must ensure the implementation of the master's program in accordance with the quality management system certified by independent organizations.		+		
		Engagement with the health sector				
120	19	The medical education organization should have a constructive interaction with the health sector, with related sectors of health, society and government, including the exchange of information, cooperation and initiatives of the organization, which contributes to the provision of qualified specialists in accordance with the needs of society.		+		
121	20	The medical education organization must provide an operational link between the educational program and the subsequent stages of professional training.		+		
122	21	The medical education organization should be given official status of cooperation with partners in the health sector, which includes the conclusion of official agreements defining the		+		

		content and forms of cooperation and / or the conclusion of a joint contract and the creation of a coordinating committee, and holding joint events.				
		Total	0	20	1	0
		CONTINUOUS IMPROVEMENT standard				
		The medical organization of education should, as a dynamic and socially responsible institution:		+		
123	1	initiate procedures for regular review and revision of content, results/competences, assessment and learning environment, structure and functions, document and eliminate deficiencies;		+		
124	2	allocate resources for continuous improvement.				
		The medical education organization should:				
125	3	base the updating process on forward-looking research and analysis and on the results of their own research, evaluation and literature on postgraduate medical education;			+	
126	4	ensure that the process of renewal and restructuring leads to a revision of its policies and practices in line with previous experience, current activities and prospects.		+		
		Medical education organization in the process of updating / continuous improvement should pay attention to:		+		
127	5	adaptation of the mission and end results of postgraduate medical education to the scientific, socio-economic and cultural development of society for the future;		+		
128	6	modification of the intended outcomes of postgraduate education in the chosen field of health in accordance with the documented needs of the environment. Changes may include adjusting the structure and content of the educational program, the principles of active learning. The adjustment will ensure, along with the exclusion of obsolete ones, the assimilation of new relevant knowledge, concepts, methods and concepts based on new achievements in the basic biomedical, clinical, behavioral and social sciences, taking into account changes in the demographic situation and the structure of the population on public health issues, as well as changes in socio-economic and cultural conditions;		+		
129	7	development of assessment principles, methods of administration and number of examinations in accordance with changes in learning outcomes and teaching and learning methods;		+		
130	8	adapting the recruitment and selection policy for master's students, taking into account changing expectations and circumstances, staffing needs, changes in the postgraduate education system and the needs of the educational program;		+		
131	9	adapting the recruitment policy and the formation of the academic staff in accordance with changing needs;			+	
132	10	improvement of the process of monitoring and evaluation of the educational program.		+		
133	11	Improving the organizational structure and management principles to ensure effective operation in the face of changing circumstances and needs, and, in the long term, to meet the interests of various stakeholder groups.		+		
		Total	0	9	2	0
		Total	4	123	6	0