



«АККРЕДИТТЕУ ЖӘНЕ РЕЙТИНГТІҢ  
ТӘУЕЛСІЗ АГЕНТТІГІ» КЕМ

НУ «НЕЗАВИСИМОЕ АГЕНТСТВО  
АККРЕДИТАЦИИ И РЕЙТИНГА»

INDEPENDENT AGENCY FOR  
ACCREDITATION AND RATING

## **REPORT**

**on the results of the work of the external expert Commission  
assessment of compliance with the requirements of the standard.  
accreditation of the educational program of specialty  
7M10103 – «PUBLIC health PROTECTION»  
NJSC "Astana Medical University"  
in the period from 28 to 30 May 2020**

**INDEPENDENT ACCREDITATION AND RATING AGENCY**  
*External expert commission*

*Addressed  
to the Accreditation  
the IAAR Council*



Независимое агентство  
аккредитации и рейтинга

**REPORT**  
**on the results of the work of the external expert Commission**  
**assessment of compliance with the requirements of the standard.**  
**accreditation of the educational program of specialty 7M10103 – «PUBLIC health**  
**PROTECTION»**  
**NJSC "Astana Medical University" in the period from 28 to 30 May 2020**

**Nur-Sultan, 2020**

**May 30, 2020**

## Content

(I) A LIST OF SYMBOLS AND ABBREVIATIONS .....	3
(II) INTRODUCTION .....	4
(III) REPRESENTATION OF THE ORGANIZATION OF EDUCATION .....	5
(IV) A DESCRIPTION OF THE PREVIOUS ACCREDITATION PROCEDURE .....	8
(V) A DESCRIPTION OF THE PREVIOUS ACCREDITATION PROCEDURE .....	8
(VI) THE STANDARDS OF ACCREDITATION OF EDUCATIONAL PROGRAM .....	10
STANDARD 1. "MISSION AND OUTCOMES" .....	10
STANDARD 2. "THE RESEARCH ENVIRONMENT AND EDUCATIONAL RESOURCES" .....	11
STANDARD 3. "POLICIES AND CRITERIA OF ADMISSION" .....	14
STANDARD 4. "MASTER'S PROGRAM» .....	16
STANDARD 5. "SCIENTIFIC MANAGEMENT" .....	19
STANDARD 6. "THESIS" .....	21
STANDARD 7: EVALUATION OF DISSERTATION WORK .....	24
STANDARD 8: MANAGEMENT AND ADMINISTRATION .....	26
STANDARD 9. "CONTINUOUS IMPROVEMENT" .....	28
VII REVIEW STRENGTHS/ GOOD PRACTICES FOR EACH STANDARD .....	29
VIII OVERVIEW RECOMMENDATIONS FOR QUALITY IMPROVEMENT FOR EACH STANDARD .....	30
H. RECOMMENDATION TO THE ACCREDITATION COUNCIL .....	31
Appendix 1. Evaluation table " parameters of specialized EQUIPMENT PROFILE" .....	32
Appendix 2. THE PROGRAM OF THE VISIT TO THE ORGANIZATION EDUCATION .....	47
Appendix 3. THE RESULTS OF THE SURVEY TEACHERS .....	47
Annex 4. THE RESULTS OF THE SURVEY OF STUDENTS .....	47

## **(I) LIST OF DESIGNATIONS AND ABBREVIATIONS**

VEC-external expert Commission

MOH - Ministry of Health of the Republic of Kazakhstan

IAAR - independent Agency for accreditation and rating

NAO MUA-non-profit joint-stock company " Astana Medical University»

OP-educational programs

SD-nursing

SRS-independent work of a student

SRSP - independent work of students under the guidance of a teacher

TUP-standard curriculum

Umkd-educational and methodical complex of the discipline



## (II) INTRODUCTION

In accordance with the order No. 42-20-OD dated 04/27/2020 of the Independent Agency for Accreditation and Rating (IAAR), from 28 to 30 May 2020, an external expert commission in the NAO MUA was carried out within the framework of primary specialized accreditation to assess the compliance of the educational program 8D10102 – «Medicine»

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

### **EEC composition**

1. **The Chairman of the commission** - Turdalieva Botagoz Saitovna, MD, Professor, AO "Kazakh Medical University of Continuing Education" (Almaty)
2. **Foreign expert** - Marina Alekseevna Kanushina, director of "AC Institute of international Education", PhD, MBA. ( Prague, Czech Republic)
3. **Expert** - Aimbetova Gulshara Ergazyevna, Candidate of Medical Sciences, Associate Professor, Kazakh National Medical University. S. D. Asfendiyarova (Almaty)
4. **Expert** - Naylya Igorevna Sheveleva, MD, DSc, Professor, Karaganda Medical University ( Karaganda)
5. **Expert** - Andasova Zhanar Myrzagalievna, Ph.D., Associate Professor, JSC "Kazakh Medical University of Continuing Education" ( Almaty)
6. **Expert** - Omarkulov Bauyrzhan Kadenovich, Candidate of Medical Sciences, Associate Professor, NJSC "Medical University of Karaganda" ( Karaganda)
7. **Expert** - Elena Leonidovna Stepkina, Ph.D., Kazakhstan Medical University "VSHO" (Almaty)
8. **Expert** - Sadykova Sholpan Sauatbekovna, Candidate of Medical Sciences, Associate Professor, NUO "Kazakh-Russian Medical University" ( Almaty)
9. **Expert** - Torlanova Botagoz Ongarovna, Ph.D., South Kazakhstan Medical Academy JSC ( Shymkent)
10. **Expert** - Ivanchenko Nellya Nikolaevna, Ph.D., Kazakh National Medical University named after S.D. Asfendiyarov ( Almaty)
11. **Employer** - Saule Sotsialovna Smakova, Medical College under LLP "Republican Medical Academy" (Nur-Sultan)
12. **Student** - Ilyasova Bayansulu Begim- Muratkyzy, Eurasian National University named after L.N. Gumilyov ( Nur-Sultan)
13. **Observer from the Agency** - Aimurzieva Aigerim Urinbaevna, head of medical projects of the Agency ( Nur-Sultan)

### **III) REPRESENTATION OF THE EDUCATION ORGANIZATION**

#### **1. Full name of the University non-profit joint-Stock Company "Astana medical University".**

#### **2. Brief description of the University**

The Council of Ministers of the Republic adopted a resolution on the opening of the Medical Institute in Tselinograd on October 26, 1964. In 1997, the institute was reorganized into an academy, and in January 2009 it achieved the status of a University. Based on the decree of the Government of the Republic of Kazakhstan, the University became part of the National Medical Holding. Since July 2010, it has been transferred to the jurisdiction of the Ministry of Health of the Republic of Kazakhstan.

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 dated January 31, 2009, No. KZ93LAA00014823, for an unlimited period, for the right to carry out educational activities under the programs of higher and postgraduate professional education, according to which it has the right to issue documents on education of the state standard.

In 2011, the University integrated the EFQM excellence Model with the existing quality management system. In November 2011, the University was successfully validated by international experts (assessors) for compliance with the criteria and fundamental concepts of the EFQM model of excellence at the level of "Striving for excellence", and in November 2012 – an assessment for compliance with the level of excellence of the EFQM Model "Recognized excellence", 4 stars. The next step in the development of an integrated management system (hereinafter-IMS) The decision taken after analyzing the report on validation of the "EFQM Model" was to implement the corporate social responsibility system (CSR) in accordance with the ISO 26000:2010 standard, the information security system (SIB) in accordance with the ISO 27001:2005 standard, and the international standard ISO 31000: 2009 "Risk management. Principles and guidelines", environmental management systems according to the international standard ISO 14001: 2004, occupational safety and health management systems according to the international standard OHSAS 18001:2007, energy management systems according to the international standard ISO 50001: 2011 and further - integration of all management tools used at the University. In June 2013, the University successfully passed the 3rd recertification audit of the management system in accordance with the international standard ISO 9001: 2008 and received a Certificate from AFNOR (France).

In 2013, the University was awarded a high rating by the European Foundation for quality management- a certificate of 5 stars Of the model of excellence.

In October 2013, in Bangkok, Thailand, the University was awarded the Asian award for excellence and best practice in the field of quality management at the ANQ - 2013 Congress of the Asian quality organization. The certificate of the Asian Quality Organization has advanced JSC "MUA" to a new level of excellence, thus confirming the fact that our University is one of the leading universities in the Republic of Kazakhstan, where the quality of education and services provided fully meet all requirements international standards and requirements.

In December 2016, the University successfully passed the 5th recertification audit of the management system and received a Certificate from AFNOR (France).

In addition, in 2013. The University successfully passed the national 6 institutional accreditation (IQA) in 2013 and 2014 specialized accreditation of educational programs of a bachelor degree on the specialties "Stomatology", "pharmacy", "Medical preventive care"; master in the field of "Medicine", "Medical-preventive work" (IQAA); in 2013, the international accreditation of educational programs of master program MBA majoring in "Public health" and bachelor program "Public health" (Institute of accreditation, certification and quality assurance ACQUIN, Germany). In 2014, based on the results of a comprehensive evaluation of a recognized University passed the state certification for compliance with the requirements of SES RK, qualifying requirements when licensing educational activities and the requirements of regulatory legal acts in the field of education, and certified for a period of five years (MES RK and MH RK, April 2014). in 2015, the University successfully passed specialized accreditation of educational programs for bachelor's degree in General medicine, Nursing, master's degree in Public health, doctoral degree in Medicine, Public health and 21 residency specialties.

In 2017, the MUA was accredited for educational programs bachelor's degrees in General medicine, Dentistry, master's degrees in Nursing, and residency programs in pulmonology, including children's Medicine. In 2019, the University passed institutional accreditation, as well as specialized accreditation of a number of educational programs.

According to the results of the General rating of the best universities in Kazakhstan for 2009-2013, MUA consistently occupies a leading position among medical universities: in 2009, 2010 – 3rd place, the last 3 years – stable 1st place. And according to the ranking of bachelor's degree programs of higher education institutions of Kazakhstan among medical universities of the Republic of Kazakhstan the success in the rating was as follows:

- in 2010-1st place in the specialty "Dentistry"; 2nd place in specialties "General medicine", "Public health", "Nursing", "pharmacy"; in 2011 – 1st place in 5 specialties: "General medicine", "Public health", "Nursing", "preventive Medicine", "Dentistry»;

- in 2012 – 1st place in the specialty "Public health", 2nd place in the specialty "Nursing", "Dentistry", "pharmacy" and 3rd place in the specialty "General medicine»;

- in 2013 – 2nd place in 5 specialties "Public health "Nursing", "Dentistry", "pharmacy"and" General medicine".

- according to the criteria and indicators the academic ranking educational master programs of the Center for Bologna process and academic mobility MES of RK in 2013 education program NAO MUA came in 2nd place.

- in 2014 and 2015, the University did not participate in the ranking of medical Universities.

- according to the results of the independent rating of universities of the Republic of Kazakhstan in 2016, which was conducted by the NAAR, the University took 2nd place. According to the ranking of bachelor's, master's and doctoral programs of higher education institutions of Kazakhstan among medical universities in 2016, the success in the NAAR rating was as follows:

Bachelor course:

- 1st place in the specialty "Public health»;

- 2nd place in the specialties "General medicine", "Dentistry", "Nursing business", "pharmacy", "Medical and preventive business»;

Magistracy:

- 1st place in the specialties "Medicine", "Public health", "Medical and preventive care»;

- 2nd place in the specialty "Nursing"; Doctorate:

- 1st place in the specialty "Medicine»;

- 2nd place in the specialty "Public health".

According to the results of the independent rating of universities of the Republic of Kazakhstan in 2017, which was conducted by the NAAR, MUA took 1st place. According to the ranking of bachelor's, master's and doctoral degree programs of higher education Institutions of Kazakhstan among medical universities of the Republic of Kazakhstan in 2017, the achievements in the NAAR rating were as follows:

Bachelor's degree:

- Public health - 1st place;
- Nursing - 1st place;
- Medical and preventive care-1st place;
- General medicine - 1st place;
- Pharmacy - 2nd place;
- Dentistry - 3rd place.

Magistracy:

- medicine-1st place;
- Public health - 1st place;
- Nursing - 3rd place;
- medical and preventive care-1st place.

Doctoral study:

- Medicine-1st place;
- Public health - 1st place.

In the world ranking of University Internet sites Ranking Web of Universities (Webometrics) (as of June 2018) NAO "MUA" takes 10925th place, 4390th place in the continental rating, and 22nd place in the Republic, which confirms the development of the corporate website content [www.amu.kz](http://www.amu.kz), reflects the quality of The University's information infrastructure and the quality of the University's management.

In the ranking of educational programs of higher education institutions conducted by the national chamber of entrepreneurs "Atameken" in 2018, the University ranked:

- first place in the specialties "Public health", "pharmacy" and "Nursing" in the specialties " General medicine»;
- second place - "Dentistry".

In 2019, the results in the same ranking were as follows:

- first place in the specialty "pharmacy", " Dentistry»;
- second place – "Nursing", " General medicine»;
- fourth place – "Public health".

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

The University has 5647 students, 1460 interns, 580 residents, 88 undergraduates and 63 doctoral students, including 639 international students.

As part of the state task under the program 031 "Implementation of international standards in the field of hospital management", NAO "MUA" also showed leadership and was the first to start implementing an educational program for the preparation of "Masters of business administration" (MBA) in the field of hospital management.

#### **(IV) DESCRIPTION OF THE PREVIOUS ACCREDITATION PROCEDURE**

This educational program was not previously accredited in the IAAR.

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

The work of the EEC was carried out on the basis of the visit program of the expert commission for specialized accreditation of educational master's programs in the specialty 7M10103 "Public health" of the NJSC "Astana Medical University" in the period from 28 to 30 May 2020.

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 of the university, vice-rectors, heads of accredited EP, heads of structural divisions, deans of faculties, heads of departments, teachers, students, graduates, employers. A total of 102 representatives took part in the meetings (Table 1).

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

<b>Participant category</b>	<b>Quantities about</b>
Rector	1
Vice-rector	6
Heads of accredited EP	6
Heads of structural divisions	18
Heads of departments	13
Teachers	13
Employers	5
Undergraduate students	40
<b>Total</b>	<b>102</b>

At the meeting of the IAAR EEC with the heads of the IUA, the mechanisms for implementing the policy of the university were clarified and certain data presented in the university self-assessment report were specified.

The commission studied the normative and educational documents on educational disciplines, including the educational program, standard curriculum, educational and methodological complexes and other materials provided by the university.

All materials requested by the commission were provided in full.



In order to obtain objective information on the assessment of the university's activities, the members of the EEC used the following methods: visual inspection, observation, interviewing employees of various structural units, teachers, students, employers online and by virtual method, questioning the teaching staff and students. On the part of NAO MUK, all persons indicated in the visit program are present. The 3-day program of visiting the EEC has been fully completed.

For the period of accreditation, classes at the university were held online due to quarantine.

During a visual inspection of the educational facilities of the faculty, members of the EEC visited the departments of the university (objects for accredited EP):

- Center for Master's and Doctoral Studies;
- Department of Organization and Quality Control of Educational Activities;
- office registrar center ;
- support center for publications, library literature and the University Museum ;
- simulation center;
- Department of Public Health and Health Care Management ;
- center for the transfer of educational technologies;
- distance learning teacher of the Department of Biostatistics (Master "Public Health");
- department of work with students;
- center for career guidance .

According to the results of the questionnaire survey of the teaching staff of the MUA, it was revealed that to the question "Assess the level of the teaching staff's ability to combine teaching with scientific research" - 28% of respondents noted relatively poorly. On the issue of providing benefits, rest and sanatorium treatment - 20 % noted dissatisfaction and 12% found it difficult to answer; on questions of satisfaction with the food system, as well as medical services, 12% are not satisfied and 12% find it difficult to answer .

Also, respondents from among the teaching staff noted problems with the Internet, a shortage of mobile laptops and projectors, and the absence of their own clinic.

According to the results of a survey of MUA students, it was revealed that 10.85% are not satisfied with the availability of counseling on personal problems, 8.68% are partially dissatisfied and dissatisfied with the financial and administrative services of the educational institution, 19.6% are partially dissatisfied and dissatisfied with the availability of health services for students, 8.68% are partially dissatisfied and not satisfied with classrooms, classrooms for large groups, 10.85% are partially dissatisfied and not satisfied with the proportionality of classrooms for small groups), 26.08% are partially dissatisfied and dissatisfied with the rooms recreation for students , 6.51% expressed disagreement with the fact that the organization of education provides sufficient opportunity for sports and other leisure activities, 23.88% are partially dissatisfied and not satisfied with the provision of students with a hostel.

In order to confirm the information presented in the Self-Assessment Report, external experts requested and analyzed the working documentation of the university. At the same time, experts have studied the online positioning of the University through the official website of the university [www.MUA.kz](http://www.MUA.kz).

As part of the planned program, recommendations for improving the accredited educational programs of the IUK, developed by the EEC based on the results of the examination, were presented at a meeting with the management on May 30, 2020.

## **(VI) COO TVETSTVIE accreditation standards EDUCATIONAL PROGRAM STANDARD 1. "MISSION AND FINAL RESULTS"**

### **Analytical part**

The mission of NJSC "MUA" reflects the development and improvement of the national system of higher and postgraduate education and was developed in accordance with the general strategy of the

state presented in the program documents of the Republic of Kazakhstan, it reflects its nature, features, established development priorities, as well as the place and role of the university in educational, scientific, socio-economic and cultural development of the region and the country as a whole. In accordance with the mission of the university, NJSC "Astana Medical University" provides training for educational programs of postgraduate education, including the magistracy.

The mission of the EP of postgraduate education (magistracy) is to train highly specialized, competitive specialists of a new generation with a high level of professional competence, with pedagogical and research skills.

The mission of the University and the educational program was brought to the attention of the authorized bodies in the field of medical and pharmaceutical education and health care, the academic community, students and other stakeholders by submitting a strategic development plan for the NAO

"MUA" to authorized bodies in the field of education, health care, financing, innovative development of the Republic of Kazakhstan, as well as publications on the official website of the university - [www.MUA.kz](http://www.MUA.kz), distribution in paper form to all structural divisions of the university, posting on information stands of divisions, publications in reference books, guides and booklets of the selection committee. Admissions brochures also contain information about the institution's mission and goals, making it accessible to stakeholders such as applicants and their parents.

The mission of the educational program is undergoing a phased approval process. At the first stage, the graduating department formulates the mission and main goals of the strategic plan based on the achievements of modern science and education, the request for those wishing to study according to the program, as well as the expectations of employers. Further, the formulated mission and strategic plan are submitted for discussion by the departments involved in the process of training future specialists. After making the final adjustments, the mission is submitted for approval by the Faculty Council meeting.

### **Proof part**

An analysis of the compliance of the university's activities with the criteria of this Standard as a whole indicates the responsibility of the university management in understanding the importance of clear strategic planning in achieving the goals and objectives set, the presence of a development strategy in this organization that corresponds to the mission and vision. EP complies with the regulatory requirements adopted at the national level, agreed with the National Qualifications Framework, the European Qualifications Framework based on Dublin descriptors, the Resolution of the Government of the Republic of Kazakhstan dated May 13, 2016 No. 292 "On Amendments and Additions to the Resolution of the Government of the Republic of Kazakhstan dated August 23 2012 № 1080 "On the approval of state compulsory education standards of the corresponding levels of education."

The training of undergraduates is carried out in accordance with the order of the Minister of Education and Science of the Republic of Kazakhstan dated October 13, 2018 No. 569 On approval of the Classifier of areas for training personnel with higher and postgraduate education.

Thus, the implementation of the EP is aimed at training qualified specialists for science and practice, which corresponds to the mission and vision of the MUA and maintains the quality of education.

### ***According to standard 1 "Mission and final results" Strengths / best practice:***

1. The NAO MUA Strategy for 2019-2023 was developed and implemented with the participation of the Ministry of Health of the Republic of Kazakhstan, RCHD and international experts.

2. The mission of the educational program of the master's degree in the specialty Public Health.

3. Interaction with teaching staff, undergraduates, employers on the definition and acceptance of the mission of the educational program of the magistracy in the specialty Public Health.

4. Demand for the educational program of the master's degree in the specialty "Public Health" NAO MUK.

**Area for improvement:**

To revise the mission of the educational program of the master's degree in the specialty "Public health", taking into account the problems of global health and social responsibility.

**No recommendation.**

**EEC conclusions by criteria: (strong / satisfactory / suggests improvement / unsatisfactory)**

In general, according to this Standard, the organization's activities meet the specified criteria.

Quantitative indicators reflecting the organization's compliance with the Standard's criteria are as follows: **strong positions - 7, satisfactory - 10, suggest improvements - 0, unsatisfactory - 0.**

**STANDARD 2. "RESEARCH AND RESEARCH ENVIRONMENT AND EDUCATIONAL RESOURCES"**

**Analytical part**

Research work in the magistracy in the specialty "Public health" is carried out in accordance with the needs of the university in the implementation of scientific and technical programs, covering the most pressing and socially significant problems at the regional and national levels, as well as scientific grants planned by individual departments. The University publishes the scientific journal "Astana Medicine Journals", which publishes articles of undergraduates of the University and their scientific advisers. The University carries out applied, exploratory scientific research in various fields of medicine. Research in topical areas funded by the Ministry of Education and Science, the Ministry of Health and other state bodies, international funds and organizations is of priority importance in scientific activity. On the basis of NAO MUA, according to the plan, international and republican conferences and seminars are held. University professors and staff participate in international and republican conferences and seminars, as evidenced by the increase in the number of publications. The number of articles in international publications in 2019 amounted to 354, of which 40 in international peer-reviewed publications in the Web of Knowledge, Scopus.

At the university, the process of integration into the global educational space is being implemented within the framework of the strategic directions of development of NJSC "MUA" for 2019-2023.

The university develops cooperation with specialized foreign universities:

- YMK University of Applied Sciences ;
- University of Applied Sciences HAMK;
- LAMK University of Applied Sciences ;
- St. Petersburg State Chemical Pharmaceutical Academy;
- Tashkent Pediatric Institute;
- Institute of Allergology and Immunology at the Medical University of Vienna;
- Ukrainian Medical Dental Academy. International cooperation of NJSC "MUA" contributes

to:

- entry of the university into the world educational space and the formation of its positive image;
- development of educational, scientific (training of masters), cultural relations of the university with foreign partners (example: Värtsilla University of Practical Medicine, Lahti University of Applied Medicine - Finland; Klaipeda University, Lithuania). Employees of the university's medical center and clinical departments took advanced training courses in leading clinics and research and practice centers in Russia, Israel, Austria, USA, Australia, the Netherlands;
- expanding the academic mobility of teaching staff and students. NAO professors "MUA" lectures to students of the Tomsk Medical Academy, the University of Ghana, the Medical University of Vienna, and foreign colleagues give lectures to the students of our university

(University of Cairo, Izmir University, Warsaw Medical University, Institute of Urology at the University of London, University of Klaipeda, Parkway College of Singapore, YMK University of Applied Sciences, Hamk University of Applied Sciences, La Sapienza University of Rome, Medical University of Ljubljana, Pleven Medical University, Heidelber Medical University, Mac Mak Master University (Canada);

- A number of undergraduates underwent foreign training at the bases of Klaipeda University, Vilnius University, Vytautas the Great University.

### **Proof part**

There is free access to international information networks, to electronic databases, to library collections, to computer technologies and educational, methodological and scientific literature. The university library has sufficient funds for undergraduates and students working in the field of scientific research.

Currently, the departments teaching undergraduates of EP OZ are provided with highly qualified teaching staff with basic education, leading training sessions in their specialty.

The MUA funksioniruket LEK, which in its work the handle duction requirements of the Regulations on the Ethics Committee of the NAO "MUA" PL-57-14 MDR. The committee is also guided in its activities by the ethical principles of the Helsinki Declaration of the World Medical Association, reflected in the State Standard for Good Clinical Practice and regulatory legal acts (Law of the Republic of Kazakhstan "On Science", State Educational Standard of the Republic of Kazakhstan 5.01.024-2008 "Research work") of the Republic Kazakhstan. SOP LEK posted on the University website

[http://www.MUA.kz/science\\_and\\_research\\_clinic/science/ethics\\_committee/](http://www.MUA.kz/science_and_research_clinic/science/ethics_committee/)

Electronic databases are updated annually. The number of subscribed periodicals on the profile of the university is constantly increasing. In the electronic information room, access to the Paragraph database, Emerald publishing house, Thomson Reuters, Springer publishing house, OvidSP platform, PubMed,

Physician Consultant, Student Consultant.

The University Library is provided with appropriate technical equipment to support daily activities: computers, multimedia projectors and visual aids. The library is equipped with 59 computers connected to the Internet, printers, copiers, a projector, and 12 electronic databases purchased from the university budget and received by national subscription through the NCSTI: Aknur, Epigraph, Books-up.ru, Pubmed, Jaypeedigital, WebofKnowledge, DynaMed, ScientificandMedical ART, Sciencedirect, Springerlink, Geotar-Media, Polpred.com.

Information about the availability of educational, teaching and methodological and scientific literature for master students of the specialty "Public health":

On the subject "History and Philosophy of Science" 2 domestic educational materials are presented, specified in the educational training program: 1) Imanul N.N. Ilimi philosophy: onu uraly / N.N. Imanqyl, T.K. Baribaev. - Astana: Paryz, 2009 in the amount of 192 pcs. for undergraduates with Kazakh language of instruction; 2) Myrzaly S.K. Philosophy: textbook / Almaty: Evero, 2011 - 326 pcs. for the Russian branch, respectively, and 12 titles of additional educational literature recommended by the Central Executive Body of the Republic of Kazakhstan by such authors as Temirgaliev K.A., Moiseev V.I., Myrzaly S., Pak P.A., Begalinova K.K., Kanke V. A., Esmagulova G.Zh., Abdildin Sh, presented for the first year of the master's program in specialty OZ.

5 textbooks are attached to the discipline "Foreign language (English)", including 1 piece. for the department with the Kazakh language of instruction Maslova A.M. 2016, 10 pcs. for Russian-speaking undergraduates "English for Medical Universities" 2015, "MacCarter S. Oxford English for Careers: Medicine 1: Teacher's Resource Book" 2015 edition in English in the amount of 68 pcs., also presented English-language textbooks " MacCarter S. Oxford English for Careers: Medicine 1: Student's Book "and" MacCarter S. Oxford English for Careers: Medicine 2: Student's Book "2014 in the amount of 60 pcs. for 1st year graduate students. Details include 59 more names of English

literature and recommended for use by undergraduates of medical schools, including training materials and manuals to prepare for international exams like IELTS.

The section of the training program "Psychology of Management" includes only 10 manuals for additional literature in the preparation of students in this educational discipline, both in Kazakh and Russian.

Educational literature on the discipline "Biostatistics" contains 7 textbooks in the Kazakh language, 1 manual in Russian by the author Koichubekov B.K. "Biostatistics: study guide 2014", also 55.5% of the total number of titles is additional literature 2011-2014.

The largest number - 450 pcs. textbooks are used by the author N.D. Yushchuk "Epidemiology of infectious diseases" on the subject

"Epidemiology" 1st year of master's program, also textbooks

"Irsimbetova N.A. Epidemiology ", " mireev S.Ə. Epidemiology "2012 in Kazakh and Russian languages.

For disciplines such as "Politics, Economics and Management in Health Care", "Health Promotion", "Introduction to Public Health Science ", "Environmental Epidemiology" and "Health Problems of Socially Unprotected Population", almost equal numbers are presented, both the main and additional educational literature, materials, manuals and textbooks of domestic and foreign authors (2003 - 2018).

"Fundamentals of Clinical Epidemiology and Evidence-Based Medicine", "Implementation of Evidence-Based Medicine", "Evidence-Based Medicine", "Fundamentals of Research Methodology in Medicine" - in a quantitative ratio of 1: 2, the main educational - methodical to additional literature.

Russian-language manuals are mainly made up of information and communication technologies and digitalization in healthcare and SD, as well as "Health Promotion",

"Introduction to the science of public health", and when teaching the discipline "Methodology and methods of scientific research" materials in the Kazakh language prevail, for example, the largest number of 331 pieces. study guide "Clinica kirisp-2: I bulim / A.D. Karkabaev, Zh.B. Maisharipova, A.M. Bektasov.

***According to Standard 2 "Research Environment and Educational Resources", the Commission noted the following strengths:***

1. Close contact with the Ministry of Health of the Republic of Kazakhstan, RCHD determines the current research areas of students' research.

2. High level of graduation and great pedagogical and practical experience of teaching staff in the specialty of public health.

#### **Recommendations:**

1. Constantly update the section on the Master's degree programs on its website containing information on the criteria of the accreditation standard.

2. Provide remote access for students and teaching staff to library electronic resources and a stationary work computer through a VPN program.

***EEC conclusions by criteria: (strong / satisfactory / suggests improvement / unsatisfactory)***

In general, according to this Standard, the organization's activities meet the specified criteria.

Quantitative indicators, reflecting compliance with Standards Organization criteria, the following: ***strong - 22, satisfactory - 8, suggest improvements -2, n eudovletvoritelnye - 0.***

### **STANDARD 3. "POLICIES AND RECEPTION CRITERIA"**

#### **Analytical part**

In the MUA, the selection of applicants for educational master's programs in accordance with the Order of the Ministry of Education and Science of the Republic of Kazakhstan dated October 31, 2018 No. 600 "On approval of the Model rules for admission to training in educational organizations that implement educational programs of higher and postgraduate education" is carried out on the basis of

passing comprehensive testing. Applicants take tests in a specialized subject, a foreign language, as well as in the subject "Biostatistics", which helps to determine the research potential of the examinee, because tests contain tasks aimed at determining knowledge and skills in the field of statistical analysis of medical research.

To consider the applications of persons who do not agree with the results of CT, a Republican Commission for the consideration of appeals at the Ministry of Education and Science of the Republic of Kazakhstan and appeal commissions are created at each point of CT. The chairman and composition of the Republican Appeal Commission, the chairmen of the appeal commissions created in the points of CT scan 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 Order of the Ministry of Education and Science of the Republic of Kazakhstan dated October 31, 2018 No. 600 "On Approval of the Model Rules for Admission to Education in Educational Institutions Implementing Educational Programs of Higher and Postgraduate Education". The University does not participate in this procedure.

Formation contingent enrolled formed on the basis of the Order the MES № 606 2018 31 October goda On approval average ratio of students to teachers to The calculations that the total number of professors teaching composition.

Admission undergraduates carried out by placing the state educational order for training of personnel in scientific and pedagogical and profile directions, as well as oplaty trained Niya for the expense of own funds of students and other sources.

### **Proof part**

The EEC Commission established that the admission of persons to the MUA is carried out through budgetary funding - the placement of a state educational order for the training of specialists and payment for training at the expense of citizens' own funds.

Master's students are provided with a guidebook, which is one of the main information sources designed for the quick adaptation of master's students.

CMD presented the personal case of the undergraduate Kuanysh Danagul Asgargyzy 11.09.1995, who graduated from the MUA in 2018, specializing in "Pharmacy". Documents submitted: application addressed to the rector for admission from 09/07/2018, personal sheet, copies of the diploma of higher education, transcript, letter of recommendation from the dean, ICT certificate 00100030 IT Series, No. 4247031, bilateral agreement

No. 207 of 09/05/18, master student certification sheet for 1 semester of 1 course. Also presented is the abstract of the dissertation work, an extract from the minutes of the scientific seminar on MBD dated 10.25.2018, Protocol No. 1, a list of printed works. A copy of the certificate of completion of the training course "Biostatistics in Medicine" (60 hours) from 11.12.2019 to 20.12.2019 at Vytautas Magnus University, Kaunas, Lithuania was presented.

Copies of orders are presented (No. 343-n / κ of 13.10.2017, No. 441-n / κ of 15.12.2017, No. 05-n / κ of 05.01.20 18, No. 291-n / κ of September 28, 2018, No. 08-n / κ of January 11, 2019, No. 08-n / κ of December 3, 2019 on the appointment of scientific advisers.

*In Kuanysh D.'s personal file, the dates of filing the application and the bilateral agreement do not match! The list of publications is presented without signature and seal.*

**According to standard 3 "Policy and criteria for admission"** - admission is carried out in accordance with the regulatory legal acts of the Republic of Kazakhstan and the established regulatory documents of the MUA.

***For Standard 3 "Policy and Admission Criteria", the Commission noted the following strengths:***

1. Magistrants are provided with a choice of individual learning paths and opportunities available for the development of scientific research.

2. Master's students have the opportunity to master general and professional competencies through postgraduate continuous and additional education.

**EEC conclusions by criteria: (strong / satisfactory / suggests improvement / unsatisfactory)**

In general, according to this Standard, the organization's activities meet the specified criteria.

Quantitative indicators reflecting the organization's compliance with the Standard's criteria are as follows: *strong positions - 3, satisfactory - 3, suggest improvements –0, unsatisfactory - 0.*

#### **STANDARD 4. "MASTER'S PROGRAM"**

##### **Analytical part**

Educational programs of postgraduate education are provided with the following auxiliary "tools": RUP, academic calendar, individual curriculum and individual work plan of the master student. RUE 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 implementation of the individual master's work plan, which includes both monitoring of progress and compliance with the deadlines for writing a dissertation work, each master 's student is given the journal "Individual Master's Work Plan", where the student keeps records throughout the learning process as they are completed.

EP, the working curriculum and the content of the disciplines are developed in accordance with the structure of the educational program of the magistracy in the scientific and pedagogical direction, according to the order on amendments to the order of the Acting Minister of Health and Social Development of the Republic of Kazakhstan dated July 31, 2015 No. compulsory standards and model professional training programs in medical and pharmaceutical specialties. "

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

The volume of the cycle of basic disciplines is 29% of the total volume of the master's educational program or 35 academic credits. Of these, 57% or 20 academic credits are allocated to the university component. The volume of the cycle of majoring disciplines is 41%, or 49 academic credits of the total volume of the master's degree program. In addition to the cycles of the university component, prescribed in the structure of the educational program, there are optional components that are developed by the departments, based on the demand for the labor market, the needs of students and modern scientific achievements. The implementation of the Master's degree program "Public health" is carried out according to the competence-oriented model of medical education, in the context of the trinity: science, practice, education.

The program of the scientific and pedagogical magistracy "Public Health" has a duration of study - 2 academic years and consists of 4 academic semesters, each semester - 15 weeks, ending with intermediate certification, upon completion of the full course of study - a final control is carried out.

Education in the magistracy is carried out only full-time.

Accounting for the labor intensity of educational work is carried out according to the volume of mastered material and is measured in credits.

Pedagogical practice has the goal of mastering, in-depth study and consolidation of theoretical training and the acquisition of practical skills and competencies in the field of pedagogical activity by the undergraduate.

At the university, the collection and analysis of information on the implementation of the EP is carried out on an ongoing basis, work is also carried out to identify and solve problems within the framework of the implementation of the EP.

Feedback is carried out by questioning students.

##### **Proof part**

Visit to the master's and doctoral center. The director of the center spoke about the activities of the center.

Visiting the department of organization and quality control of educational activities (director Bukeeva Zh.R.) and the center for planning, organization and control of the educational process (head Utenova G.M.). Presented are: academic policy of 04.07.2019 with amendments and additions of 03 April 2020 based on the decision of the Senate of the NAO MUK, clause 14.9 was added. Distance learning, working instructions for organizing intermediate and final certification of students in the 2019-2020 academic year during the COVID-19 coronavirus pandemic from 04.05 . 2020

The following documents are presented: the regulation on training in the magistracy of the NAO MUA, approved by the decision of the board of the NAO MUA No. 7 dated 02/04/2020, which describes the mechanisms of requirements for persons entering the magistracy, the structure of educational programs, the procedure for ongoing monitoring of progress, intermediate attestations, the content of educational programs, requirements for the master's key competencies, requirements for supervisors, requirements for the key competencies of graduates of the scientific and pedagogical magistracy, master's degree in the profile direction, final state certification, etc.; - the requirement for the content, design and defense of a master's thesis, approved by the vice-rector for scientific work of the NAO MUA M. Dauletyarova from 31.01.2020; job descriptions of the head of the center for master's and doctoral studies, specialist of the center for master's and doctoral studies.

An analysis of the educational process by departments is presented (the name of the department, discipline, course, KTP, schedule, groups, a link to conducting classes, a link to conducting classes, a link to literature, a syllabus in 3 languages, topics of practical classes, topics of SRO, RK, final control , participating teachers). According to the analysis, all documents are presented at the Department of Healthcare.

The working curriculum of the Department of Healthcare in the specialty "Public Health" (scientific and pedagogical direction), approved by the acting Vice-rector for scientific and clinical work R.R. Aipov dated 09/02/2019 Total 1700 hours, classroom load - 510 hours, of which lectures - 180 hours, PZ - 330 hours, SRM - 510, research work - 60 hours.

Visit to the Department of Management in Health Care, meeting with the Head of the Department Skenova R.K., Head of the Department of Public Health Turgambaeva A.K., Professor of the Department of Management in Healthcare Dubitsky A.A., Associate Professor of the Department of Management in Healthcare Magzumova R.A. When visiting the department, I was introduced to the work of the associate professor of the department of management in health care R.A. Magzumova. Presented by the UMKD "Financing in the health care system " (10 credits) for the specialty of healthcare facilities, familiarized with the RUE, syllabus, CIS. Discipline documents are also presented

"Management decisions in the health care system", UMKD, lecture materials of the teaching staff, presentations of undergraduates, video recordings of classes on the YouTube channel. RUE of the discipline "Management decisions in the health care system" approved Minutes No. 6 at the meetings of the MUA Senate dated September 25, 2019 The magazine of the M-23 group in the Sirius platform was presented, undergraduates Zulkhash N., Pirmakhambetova Zh., There are passes for one day, received admission from the dean's office for practicing, classes have been completed, there is an entry in the journal of practicing.

Upon completion of the discipline, master student Pirmakhambetova Zh. Together with teacher Magzumova R.A. published a scientific article on

"Management decisions by the method of causality" in the journal "Astana medicine journals", No. 4 of 2019, pp. 1 26-132.

**Academic mobility of undergraduates:** Undergraduates in OZ Zulkhan N., Pirmagambetova Zh., Sabit A., Kuanysh D. From 10.12.19 - 21.12.2019. Passed an internship at the University of Vitovt the Great (Kaunas, Lithuania). Undergraduates in specialty OZ Kabdunasova R., Kalizhan M., Egen Y., Kozhakhmetova U., Turar O. from 13.05.18 to 26.05.2018. Passed an internship at the Klaipeda University (Klaipeda, Lithuania).

Undergraduates in OZ Mukhamedyarova A., Zhambylova A., Beisenova S. from 19.03.18 - 01.04.2017. Passed an internship at the Vilnius University (Vilnius, Lithuania). An agreement No. 024-12-63 of November 17, 2019 for the provision of educational services (for the training of



undergraduates and PhD-doctoral students) between the MUA and Vytautas the Great University was presented, which specifies the subject of the agreement, the rights and obligations of the parties, payment for internships and accommodation, terms of passage, etc. Also presented are incoming and outgoing letters on working with these foreign organizations, order No. 1328-01 / master of 11/26/2019, signed by the Chairman of the Board on the direction of the internship.

The Center for Master's and Doctoral Studies provides information on the employment of master students in the specialty "Public Health". In the 2017-2018 academic year, the percentage of employed was 33%, out of 3 employed 1, 2 submitted documents to the employment center. In the 2018-2019 academic year, the percentage of employed was 100%, out of 4 undergraduates, all were employed.

Table 1 - Information on the employment of 2018 g of .

<b>N o.</b>	<b>Full name</b>	<b>Place of employment</b>
1	Kalizhan Madi Kanatuly	Redistribution to the RSE on the REM "Pavlodar state pedagogical university "
2	Egen Ynta Egenberdigyzy	Redistribution to GKP on REM "Gorodskaya polyclinic number 9 "Nur-Sultan
3	Turar Olzhas Asgaruly	NJSC "Astana Medical University"
4	Kozhakhmetova Umit Abdullaevna	NAO Medical University Astana

Table 2 - Information on employment for 2019

<b>N o.</b>	<b>Full name</b>	<b>Place of employment</b>
1	Kalizhan Madi Kanatuly	Redistribution to the RSE on the REM "Pavlodar state pedagogical university "
2	Egen Ynta Egenberdigyzy	Redistribution to GKP on REM "Gorodskaya polyclinic number 9 "Nur-Sultan
3	Turar Olzhas Asgaruly	NJSC "Astana Medical University"
4	Kozhakhmetova Umit Abdullaevna	NAO Medical University Astana

The minutes of the meeting of the commission on personal distribution are presented

No. 2 of June 12, 2018, No. 1 of June 28, 2019, the decision of the commission to make employment for work in state educational / health organizations, the next graduates in 2018, 2019 (Chairman of the Commission M.Z.Shaidarov, Deputy Chairman F.A.Galitsky, members of the Commission G.A.Zhaksylykova, E.A. Tursynbet, A.T.Shaikenov, Secretary of the Commission Zh.N. Sariyeva).

***According to standard 4 "Master's program" the following strengths are noted :***

1. Availability of educational, scientific and socio-cultural potential.
2. Possibility of choosing an individual trajectory of training within the framework of the current state educational standard by means of elective disciplines.

3. The employment rate of undergraduates (100%) who graduated from the university directly testifies to the quality and effectiveness of EP in health care.

*The area of improvement is: The EP curriculum is subject to dynamic development and the introduction of the achievements of clinical science and practice.*

### **EEC recommendations:**

1. Develop a plan for the development of joint educational programs with foreign partner universities and ensure its implementation.

### ***EEC conclusions by criteria: (strong / satisfactory / suggests improvement / unsatisfactory)***

In general, according to this Standard, the organization's activities meet the specified criteria.

Quantitative indicators reflecting the organization's compliance with the Standard's criteria are as follows: *strong positions - 13, satisfactory - 12, suggest improvements -0, unsatisfactory - 0.*

## **STANDARD 5. "SCIENTIFIC GUIDANCE"**

### **Analytical part**

The procedure for approving the research supervisor and the research topic is carried out in accordance with the regulations of the University PL-MUA-121-20 "On training in the magistracy".

The candidacy of a scientific supervisor and the topic of research of a master student of the specialty "Public health" are considered at a meeting of the specialized department. The undergraduate has the right to choose his own supervisor independently. During the first month after the enrollment, the master's student is determined with the choice of the scientific advisor, after which the scientific adviser and the topic of the master's student are approved at the meeting of the specialized department and the protocol is drawn up.

The next step is consideration at the ISS meeting. The research topic should correspond to the current health problems and certain state policy. To approve the topic of the dissertation, the master student provides the chairman of the interdepartmental meeting with the following list of documents:

- detailed annotation of scientific research;
- information search help (review of world literature);
- Bittern SKU of minutes of the meeting of the department.

At the ICS meeting, undergraduates make a detailed report on the planned research work, after which they have the opportunity to receive recommendations and remarks. The scientific supervisor and the topic of the master's thesis are approved by the minutes of the meeting.

An extract from the minutes of the ISS, signed by the chairman and secretary of the commission, is provided to the center of magistracy and doctoral studies for inclusion in the order, no later than two months from the date of enrollment in master's studies.

According to the extract from the ISS meeting, an order is issued by the Rector of the University on the appointment of scientific leadership with payment in the amount of 34 academic hours per year for each master's student.

### **Proof part**

When choosing scientific supervisors for undergraduates, the University is guided by the following principles: the scientific supervisor must have either a doctorate, or a candidate of medical sciences, or PhD, or be a qualified specialist in the relevant industries with at least 5 years of work experience. The supervisor must have scientific works: 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 (KA), Scopus, RSCI, PubMed.

In its activities the supervisors are guided by the legislative acts of the Republic of Kazakhstan on science, Order of the Minister of Education and Science of the Republic of Kazakhstan of 31 October 2018 the year № 604 On approval of the state obligatory standards of education at all levels of education, Order of the Minister of Education and Science of the Republic of Kazakhstan dated October 30, 2018 the year No. 595 On Approval of the Model Rules for the Activity of Educational Organizations of the Corresponding Types, Regulations on Master's and PhD Doctoral Studies.

The duties and rights of the scientific advisor are determined.

### **Strengths of Standard 5 "Scientific Leadership":**

1. Availability of highly qualified teaching staff of EP OZ , capable of supervising dissertation research of undergraduates in various priority areas of public health.

2. The scientific supervisors of undergraduates, according to the schedule, carry out work on research and development work, research practice , scientific internship and conduct consultations with their undergraduates on a regular basis .

EEC conclusions - the criteria of the standard are fully disclosed, there are no recommendations.

#### ***EEC conclusions by criteria: (strong / satisfactory / suggest improvement / unsatisfactory)***

In general, according to this Standard, the organization's activities meet the specified criteria.

Quantitative indicators reflecting the organization's compliance with the Standard's criteria are as follows: ***strong positions - 6, satisfactory –0, suggest improvements –0, unsatisfactory - 0.***

### **STANDARD 6. "DISSERTATION"**

#### **Analytical part**

The procedure for approving scientific topics of dissertations of undergraduates in the specialty 7M10103 - "Public health" and their supervisors is implemented in accordance with the Regulations "On training in magistracy" PL-MUA-121-20 and the Working instruction "Requirements for the content, design and defense of a master's thesis »RI-MUA-18-20.

The master's thesis determines the level of professional qualifications of the undergraduate and the degree of his mastery of the methodology of scientific knowledge and the correspondence of the acquired knowledge, abilities, skills and competencies to the requirements of the State Educational Standard of Education in the relevant specialty.

The defense of a master's thesis and the passing of a comprehensive state exam take place publicly at a meeting of the State Attestation Commission.

Requirements for the content and execution of a master's thesis, their preparation and defense are determined by the Rules for the organization, execution of a master's thesis, their preparation and defense. The master's thesis must be checked for plagiarism, the rules and procedure for which are determined by the Regulation on antiplagiarism.

The defense of a master 's dissertation includes the preparation of a master's thesis, its registration and the procedure for defense.

A master student who has not completed the research component is given the opportunity to re-master the credits of the research component and defend a thesis in the next academic year on a paid basis.

#### **Proof part**

It should be emphasized that the NJSC "Astana Medical University" closely cooperates with the Republican Center for Health Development (hereinafter - RCHD) - an organization that provides powerful methodological support to the health care system of the Republic of Kazakhstan on the basis of regular research and development. Therefore, a master's degree student in the specialty 7M10103 - "Public health care" has the opportunity to choose a thesis topic from the list of directions relevant for the development of national health care recommended by this organization. The general list of recommended topics for master's theses is updated annually by an average of 40%.

The wording of the topic of the master's thesis and the candidacy of the scientific supervisor are discussed at the department to which the master's student is attached and approved at a meeting of the interdepartmental meeting.

Table 3 - Information about the topics of scientific work and scientific advisers of undergraduates of the 1st year of study

No.	Full name	supervisor	Dissertation topic
1	Abdrakhman Bibigul Uskenbaykyzy	Ph.D., Associate Professor Magzumova Raushan Ziyadinovna	Evaluation of the effectiveness of recruiting hematopoietic stem donors cells in the Republic of Kazakhstan
2	Alibaeva Aizhan Erzhanovna	Doctor of Medical Sciences, Professor Narmanova Oryngul Zhaksybaevna	Hemodialysis kumektegi memlekettik-zheke menshik eriptestik mechanismdernin densaulyk saktau salasyndagy kyzmetterdin kolzhetimdiligi men sapasyn arttyruga aseri
3	Albekova Zhanara Temirkhanovna	Candidate of Medical Sciences, Assistant Professor Turgambaeva Asiya Kairbaevna	Self-assessment of the competence of primary health care specialists in the medical nutrition of patients with sugar diabetes
4	Bakirova Zhanel Yerzhanovna	Doctor of Medical Sciences, Professor Narmanova Oryngul Zhaksybaevna	Development SWOT Analysis medical tourism in Nur-Sultan
5	Bayazova Marzhan Bakytbekovna	Doctor of Medical Sciences, Professor Narmanova Oryngul Zhaksybaevna	Optimization of costs and reduction of losses through Lean - technologies for managing medical organizations (Lean production)
6	Kalieva Aigul Zhanibekovna	Candidate of Medical Sciences, Assistant Professor Turgambaeva Asiya Kairbaevna	A systematic review of the organization of nutrition and the development of a strategy for its optimization in children hospitals
7	Korabaev Ruslan Seisembaevich	Candidate of Medical Sciences, Assistant Professor Turgambaeva Asiya Kairbaevna	Improving student engagement mechanisms medical universities in the research process in the context of education reform
8	Musina Aigerim Alibievna	PhD, Orazova Galiya Yzakkyzy	Population coverage assessment medical services before and after the introduction of compulsory health insurance
nine	Ordabek Kaziza Abdigulgyzy	PhD, Associate Professor Aketaeva A.S.	Nur-Sultan kalasy boyynsha analar aliminin obsherlik kumek kyzmetinin kadlary tarapynan sebebin baqalau
ten	Sailaubekkyzy Aisulu	PhD, associate professor Kamalbekova G.M.	Zhalpy tazhibelik durigerler fertildi zhastary ayelderdiñ prophylactic is sharalaryn oñtaylandyru

eleven	Sataeva Aida Kalymkyzy	Doctor of Medical Sciences, Professor Kerimbaeva Z.A.	Assessment of medico-social risk factors in diseases of the circulatory system population of the North Kazakhstan region
12	Utegenova Ayim Kuatovna	Candidate of Medical Sciences, Assistant Professor Turgambaeva Asiya Kairbaevna	Social work as a factor in improving the provision of medical care to the population living in rural areas settlements
13	Shonaeva Elena Gennadevna	Doctor of Medical Sciences, Professor of the Department of Healthcare Ibrayev Serik Yeskendirovich	Economic assessment the effectiveness of a multidisciplinary hospital in the conditions of compulsory health insurance
14	Mukhtar Nursulu Yerlankyzy	PhD, Associate Professor Kamalbekova G.M.	BMSK of the depression wife suicide diagnostics

Table 4 - Information on the topics of scientific work and scientific advisers of undergraduates of the 2nd year of study

No.	Full name	supervisor	Dissertation topic
1	Dysebek Usel Nurlankyzy	Candidate of Medical Sciences, Associate Professor, Assistant Professor Turgambaeva Asiya Kairbaevna	Features of the organization of remote medical education for persons with disabilities
2	Sabit Aqaylym Erlangyzy	PhD Akhelova Sholpan Lesbekovna	Medicine - sanitary alғashқы көмек көрсету деңгейінде дәри-дәрмектермен камтамасыз etudi basgaru sapasyn бағалау
3	Kuanysh Danagul Asgargyzy	PhD Tursynbet Yernar Akbergenovich	Changing eating behavior based on formation of healthy eating habits among university students
4	Ayupova Altynai Rinatovna	PhD Dauletyarova Marzhan Amangalievna	Develop approaches to providing general practitioners in institutions health care of the RK
5	Pirmaagambetova Zhuldyzay Kanatkyzy	Ph.D. Sekenova Raushan Kozganbaevna	Assessment of satisfaction with the quality of delivery medical services for the child population with diseases of the respiratory system of an early age
6	Zulhash Nargiz	Candidate of Medical Sciences, Associate Professor, Assistant Professor Turgambaeva Asiya Kairbaevna	Youth unemployment as factor influencing health

### **Strengths of Standard 6 "Dissertation":**

EEC conclusions - the criteria of the standard are fully disclosed, there are no comments

#### ***EEC conclusions by criteria: (strong / satisfactory / suggests improvement / unsatisfactory)***

In general, according to this Standard, the organization's activities meet the specified criteria.

Quantitative indicators reflecting the organization's compliance with the Standard's criteria are as follows: *strong positions - 8, satisfactory - 3, suggest improvements - 0, unsatisfactory - 0.*

### **STANDARD 7. "ASSESSMENT OF DISSERTED WORKS"**

The university clearly defines the principles and methods for assessing master students, scientific and educational activities.

The quantitative composition of the SJSC is determined and approved by the order of the rector no later than December 31 and is valid during the calendar year. The minutes of the meeting of the SAC are kept by its secretary, approved as part of the SAC from among the educational support personnel in the graduating department.

The SAC makes a decision on the award of an academic master's degree by open voting. This decision is taken by a simple majority of votes of the members of the commission participating in the meeting. With 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 defense after the completion of the thesis defense protocol in the presence of all SAC members .

Upon completion of the final attestation of undergraduates, the Chairman of the SAC prepares a report on the results of the final attestation of undergraduates and submits it to the head of the University within two weeks. The report on the results of the final certification of undergraduates includes tables and an explanatory note.

After the completion of the work of the SJSC, all protocols are transferred to the archive of the MUA for storage in the prescribed manner. Based on the results of defending the dissertation, a decision is made to award an academic master's degree.

The Master's and Doctorate Center presented the personal file of the master student Turar Olzhas Asgaruly, specialty 6M110200 - "Public health", thesis topic: "Evaluation of the effectiveness of the process of managing the flow of visitors in organizations providing outpatient care."

List of documents:

- 1 Abstract
- 2 Extract from the minutes of the meeting of the department on the approval of the topic of the dissertation
- 3 Extract from the minutes of the scientific seminar on the approval of the dissertation topic
- 4 Extract from the Scientific and Clinical Council on the approval of the dissertation topic
- 5 List of publications (reprints)
- 6 Characteristics of the scientific leader
- 7 About tzyv scientific leader
- 8 Review of the scientific advisor
- 9 Conclusion of plagiarism
- 10 Extract from the minutes of the meeting of the department
- 11 Extract from the minutes of the scientific seminar
- 12 Expert opinion
- 13 Review by an external opponent
- 14 Review of an internal opponent
- 15 Abstract (7 pieces)
- 16 Conclusion of the ethics committee
- 17 Dissertation

In the personal file of the undergraduate Turar Olzhas Asgaruly, 2 copies of the dissertation work on the topic "Evaluating the effectiveness of the process of managing the flow of visitors in organizations providing outpatient care" in the specialty "6M110200 -" Public health "with the conclusion of an external opponent, PhD, chief Manager of the Department of Science and Education of the KF "University Medical Center" F.Y. Orazova; an abstract of the dissertation work, which indicates the relevance, purpose, methods and materials, novelty, practical significance of the research, the main provisions for the defense, calendar terms of work and conclusions. The bases of scientific research were the city polyclinics of Nur-Sultan No. 4, 5, 8, 10. The conclusion of the scientific seminar is not indicated. The scientific supervisor is PhD Tursynbet Yernar Akbergenuly. Also presents an excerpt from the protocol №1 interdepartmental Scientific seminar obshchestvennog departments of health and hygiene of JSC "Medical University Astana" from 11.01.2017, the agenda for approval by the graduate OZ, MPI; an extract from the minutes of the meeting of the Department of Public Health No. 2 No. 11 dated October 25, 2017 with an agenda for approving the topics of dissertation work of 1 year undergraduates for the academic degree of Master of Medical Sciences in the specialty of OZ; an extract from the protocol №4 Meetings of Clinical Research of the Council of November 2017 29 city of the approval of the scientific sleeves turer, scientific consultants and the master's thesis. Four publications of the undergraduate were published in collections of abstracts of scientific and practical conferences and a scientific and practical journal. Efforts feature on a student, a review on the thesis p cially of scientific supervisor, an extract from the minutes of the meeting of the department "OZ №2» from 19 on April 2019 city of with the agenda of the day

"The passage of overcurrent protection procedures masters of the second year of training in the specialty 6M110200 - OZ", an extract from the protocol №5 Meetings of scientific seminar on biomedical disciplines, public health and hygiene from 05.23.2019, the "approbation of the thesis for obtaining the academic degree of Master of Medical Sciences the specialty 6M110200 - OZ", meeting the scientific seminar on biomedical disciplines, public health and hygiene on May 2019 of 23 the year with the chairman prof. Musina A.A., a review of an internal opponent with a conclusion from Ph.D. Magzumovoy R.Z., abstract of dissertation, extract from minutes No. 4 of the meeting of the Local Bioethics Committee of JSC

"MUA" of December 2018 20 the year to the ethics of scientific research papers of a student.

Master's work of undergraduate O. Turar and assessment of the point rate system of the meeting of the State Attestation Commission on 10.06.2019 - 95-100.

*In the personal file of the master student Turar Olzhas Assharuly there is no certificate of the results of checking the text document for borrowings.*

An agreement No. 08094000921 8/190500/00 dated 05/13/2019, concluded by the MUA with the "Adina" organization (headed by A.M. Nurgalieva), on granting a license to search borrowed information in the "Antiplagiat" system, is presented, all the work of undergraduates goes through this system.

#### **Strengths according to Standard 7 "Evaluation of dissertations":**

1. The organization of the process of preparation and assessment of master's thesis is carried out in full compliance with the requirements of regulatory documents.
2. A high proportion of graduated personnel in the teaching staff of the graduating departments, which made it possible to ensure high quality of training of students and their master's theses.

EEC conclusions - the criteria of the standard are fully disclosed, there are no comments

***EEC conclusions by criteria: (strong / satisfactory / suggests improvement / unsatisfactory)***

In general, according to this Standard, the organization's activities meet the specified criteria.

Quantitative indicators reflecting the organization's compliance with the Standard's criteria are as follows: ***strong positions - 6, satisfactory - 1, suggest improvements - 0, unsatisfactory - 0.***

## **STANDARD 8: GOVERNANCE AND ADMINISTRATION**

### **Analytical cha nce**

The main management of master's programs and coordination of the activities of graduating departments is carried out by the Center for Master's and Doctoral Studies, which is an administrative structural unit of NJSC "MUA".

The structural unit has undergone a number of transformations : the dean's office of postgraduate education was organized in September 2010, before that it operated as a Center for postgraduate education. In connection with the change in the organizational structure and staffing of NJSC "MUA" on September 9, 2019, the Dean's office of postgraduate education was reorganized into the Center for Master's and Doctoral Studies. The center is directly subordinate to the vice-rector for scientific work.

The main educational, scientific and theoretical divisions that train undergraduates in the specialty 7M10103 - "Public health" are the departments according to the State Educational Standard of the Republic of Kazakhstan 2015 (as amended on 02.21.2020, order No. ҚР DSM-12/2020) of the educational program in the specialty " Public Health ".

The activities of the CMD are aimed at organizing the work of departments in the field of planning, conducting and providing educational, scientific and methodological work for the preparation of undergraduates, as well as monitoring, recording, analyzing, evaluating and developing recommendations for its improvement in order to increase the efficiency and quality of training, as well as interaction with other structural divisions of the NAO

"MUA" participating in the implementation and support of educational programs.

The center carries out its activities in accordance with the Regulation on the Center for Master's and Doctoral Studies (PSP-MUA-5.1.4-2019), the powers of the employees are carried out in accordance with their job descriptions. The main goal of the center is to carry out organizational, coordination and administrative work aimed at achieving the mission and goals of educational programs.

The involvement of teachers in the process of managing curricula is ensured through the participation of the teaching staff of the university in the development of the state educational standard, standard curricula for disciplines at the republican level, and work programs for disciplines.

The general management of the EP implementation is carried out by the Vice-Rector for Research

### **Proof part**

The university has a clear range of responsibilities and authorities to provide the educational program with resources, including a target budget for training .

Determination of the budget of NJSC "MUA" and the management structure of the university is the responsibility of the first head of the university, the Rector - Chairman of the Board. To handle financial issues in NJSC "MUA", the position of Vice-Rector for Economics is provided, his powers and responsibilities are determined . The vice-rector supervises the following structures responsible for budget management: the department of financial and investment activities, the department of infrastructure development, the IT department, the center for the development of entrepreneurial and investment activities, marketing and PPP.

The budget of NJSC "MUA" is considered at the meeting of the Board of Directors. The university budget is formed from several sources:

-the republican budget (state order for training of personnel for higher and postgraduate education, advanced training of workers, development of scientific research, transfers);

-provision of paid educational and other services (Appendix 10). Revenues are received from the main areas of activity:

-Educational activities - bachelor's degree (students, interns), postgraduate education (training of scientific personnel);

-Educational activities - advanced training and retraining of personnel;

-Scientific activity;

-Other services (Appendix 10).



The volume of financing over the past 5 years has a steady tendency to increase, due to the increase in the number of the contingent and the cost of training under the program "Salamatty Kazakhstan", attracting more students to paid educational services.

The university has a sufficient material and technical base, ensuring the conduct of all types of disciplinary and interdisciplinary training, practical and research work of students, provided for by the curriculum of the university, classrooms and classrooms equipped with computers and appropriate software for teaching.

The university plans and allocates the resources necessary for the implementation of the educational program and allocates educational resources in accordance with their needs.

**The panel noted the following strengths in Standard 8 Governance and Administration:**

1. Close interaction with the Ministry of Health of the Republic of Kazakhstan, RCHD and the health sector, the quality of EP can be 100% employment of graduates.

*The area of improvement is to strengthen and coordinate the work of the center for master's and doctoral studies (training of all specialists, including the manager).*

EEC recommendations:

1. Constantly update the section on Master's programs on its website, containing information on the criteria of the accreditation standard.

2. The Center for Master's and Doctoral Studies needs to ensure the transparency and accessibility of the management system and decisions made by publishing in bulletins and other documents posted on the website .

3. Provide remote access for students and teaching staff to library electronic resources and a stationary work computer through a VPN program.

4. Place reports on the financial activities of the university on the website for access to a wide range of the public, since the financing system should be based on the principles of efficiency, effectiveness, priority, transparency and responsibility.

***EEC conclusions by criteria: (strong / satisfactory / suggests improvement / unsatisfactory)***

In general, according to this Standard, the organization's activities meet the specified criteria.

Quantitative indicators reflecting the organization's compliance with the criteria of the Standard are as follows: ***strong positions - 7, satisfactory - 13, suggests improvements - 2, unsatisfactory - 0.***

## **STANDARD 9. "CONTINUOUS IMPROVEMENT"**

### **Analytical part**

MUA plans and applies the processes of continuous monitoring, evaluation, analysis and improvement of educational services, taking into account the objectives of national legislation, the requirements and expectations of stakeholders, contributing to the development of quality education based on competencies and end- points of learning.

Every year, in all departments of the University at all levels of education, internal and external audits are carried out in order to determine the degree of fulfillment of the requirements of the QMS; evaluations of efficiency, functionality and identification of opportunities for quality improvement are carried out, proposals are developed to improve and introduce new methods for assessing knowledge, achievements and competencies.

Modification of the final results of the educational program was approved by the UM O RUMS in the direction of "Health" under the Ministry of Education and Science. The learning outcomes are focused on professional standards of specialties and the state compulsory master's standard in the direction of training "Healthcare".

### **Proof part**

Improvement of the processes of monitoring and evaluation of EP at the University is carried out not only through the internal monitoring system, which includes self-assessment of units, self-assessment of the University, internal audit of structural units, internal control of the department, current, intermediate and final certification of students, certification of teaching staff, but also through the periodic passage of the procedure external assessment of the quality of educational programs in the form of institutional and specialized accreditation .

After an external assessment of the University / educational programs at an expanded meeting of the Senate / Council of the Faculty, comments and recommendations for improving educational programs are analyzed, if necessary, a corrective action plan is drawn up , and those responsible for the implementation of the plan's activities are appointed.

In order to strengthen the position and recognition of Kazakhstani medical and pharmaceutical education in the world, increase its image and recognition, the University will continue to improve the quality assurance system, including through participation in academic ratings of universities and educational programs conducted by recognized national and foreign / international agencies.

**For Standard 9, Continuous Improvement, the Commission noted the following strengths:**

**1. Close interaction with the Ministry of Health of the Republic of Kazakhstan, RCHD and the health sector, the quality of the EP can be 100% employment of graduates.**

**2. The location of NAO MUK in Nur-Sultan gives the advantages of a capital university**

***EEC recommendations:***

1. Expansion of the material and technical base through the creation of its own university clinic.

***Areas for improvement:*** In order to improve the process of monitoring and evaluating the educational program, to ensure transparency of the examination procedure of the educational program, we by the interested parties by posting information on the official website (possibly in a separate section - questions for the questionnaire, proposals of all participants in the discussion, including independent organizations, and the results of decisions based on the analysis).

***EEC conclusions by criteria: (strong / satisfactory / suggests improvement / unsatisfactory)***

In general, according to this Standard, the organization's activities meet the specified criteria.

Quantitative indicators reflecting the organization's compliance with the Standard's criteria are as follows: ***strong positions - 3, satisfactory - 8, suggest improvements - 0, unsatisfactory - 0.***

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

***According to standard 1 "Mission and final results":***

**1. The Strategic Directions of the NAO MUA for 2019-2023 were developed and implemented with the participation of the Ministry of Health of the Republic of Kazakhstan, RCHD and international experts.**

**2. The mission of the educational program of the master's degree in the specialty Public Health.**

**3. Interaction with teaching staff, undergraduates, employers in defining and accepting the mission of the educational program of the master 's degree in the specialty Public Health.**

**4. The demand for an educational program for a master's degree in a specialty "Public Health" NAO MUK.**

***According to standard 2 "Research environment and educational resources":***

**5. Close contact with the Ministry of Health of the Republic of Kazakhstan, RCHD determines the current research areas of students' research.**

**6. A high level of graduation and a large pedagogical and practical experience of the teaching staff in the specialty of public health.**

***According to Standard 3 "Policy and Admission Criteria":***

**7. Undergraduates are provided with a choice of an individual path of study and opportunities for planning scientific research.**

8. *Master students have the opportunity to master general and professional competencies through postgraduate continuous and additional education.*

*According to standard 4 "Master's program":*

9. *Availability of educational, scientific and socio-cultural potential.*

10. *The ability to choose an individual trajectory of training within the framework of the current state educational standard at the expense of elective disciplines.*

11. *The employment rate of undergraduates (100%) who graduated from the university directly testifies to the quality and effectiveness of EP in health care.*

*According to standard 5 "Scientific guidance":*

12. *Availability of highly qualified teaching staff of EP OZ, capable of supervising dissertation research of graduate students in various priority areas of public health.*

13. *Scientific supervisors of undergraduates, according to the schedule, carry out work on scientific research work, research practice, scientific internship and conduct consultations with their undergraduates on a regular basis .*

*According to standard 6 "Dissertation":*

14. *The relevance of topics of master's thesis.*

15. *All procedures according to the standard, the processes of preparing a student's dissertation and its defense are clearly spelled out .*

*According to Standard 7 "Evaluation of dissertations":*

16. *The organization of the process of preparation and evaluation of master's thesis is carried out in full compliance with the requirements of regulatory documents.*

17. *A high proportion of graduated personnel in the teaching staff of the graduating departments, which made it possible to ensure a high quality of training of students and their master's theses.*

*According to Standard 8 "Management and Administration":*

18. *The close interaction with MOH, RTSRZ and health sector, quality OD can be 100% employment vypus knikov.*

*Standard 9 Continuous Improvement:*

19. *Close interaction with the Ministry of Health of the Republic of Kazakhstan, RCHD and the health sector, the quality of the EP can be 100% employment of graduates.*

20. *Geopolitical location of NAO MUK.*

## **VIII OVERVIEW QUALITY IMPROVEMENT RECOMMENDATIONS FOR EACH STANDARD**

*According to standard 1 "Mission and final results":*

1. No recommendation.

**Area for improvement:**

To revise the mission of the educational program of the master's degree in the specialty "Public health", taking into account the problems of global health and social responsibility.

*According to standard 2 "Research environment and educational resources"*

1. Constantly update the section on the Master's degree programs on its website containing information on the criteria of the accreditation standard . About careless remote access of students and faculty to the library's electronic resources and stationary work computer through VPN-program.

*According to standard 4 "Master's program":*

1. Develop a plan for the development of joint educational programs with foreign partner universities and ensure its implementation.

*Area for improvement: Training program OP is subject to dynamic development and introduction of achievements of science and Clinical Pract iki.*

***According to Standard 8 "Management and Administration":***

1. Constantly update the section on the Master's degree programs on its website containing information on the criteria of the accreditation standard .

2. The Center for Master's and Doctoral Studies needs to ensure transparency and accessibility of the management system and decisions made through publication in bulletins and other documents posted on the website.

3. Provide remote access for students and teaching staff to library electronic resources and a stationary work computer through a VPN program.

4. Place reports on the financial activities of the university on the website for access to a wide range of the public, since the funding system should be based on the principles of efficiency, effectiveness, priority, transparency and responsibility.

*The area of improvement is to strengthen and coordinate the work of the center for master's and doctoral studies (training of all specialists, including the manager).*

***Standard 9 Continuous Improvement:***

1. Expansion of the material and technical base by creating its own clinic at the university.

***Areas for improvement:*** In order to improve the process of monitoring and evaluating the educational program, ensure the transparency of the procedure for the examination of the educational program by stakeholders by posting information on the official website (possibly in a separate section - questions for the questionnaire, proposals of all participants in the discussion, including independent organizations, and the results of decisions based on the analysis).

**X. RECOMMENDATION TO THE ACCREDITATION BOARD**

## Appendix 1. SPECIALIZED PROFILE PARAMETERS

No. P P	CRITERIA FOR EVALUATION	Position of the educational organization			
		strong	Satisfactory	suggests improvements	Unsatisfactory
<b>1.</b>	<b>"MISSION AND LEARNING OUTCOMES"</b>				
1.1	<b>Definition of the mission of the educational program</b>				
1.1.1	The medical education organization <b>must</b> determine the mission of the educational program and bring it to the attention of stakeholders and the health sector.		+		
1.1.2	The medical education organization <b>must</b> ensure that the main stakeholders are involved in the development (formulation) mission of the educational program.		+		
1.1.3	The medical education organization <b>must</b> ensure that the stated mission includes public health problems, the needs of the medical care system and other aspects. social responsibility.		+		
1.1.4	The medical education organization <b>must</b> ensure that the mission of the educational program corresponds to the mission of the organization and allows the preparation of a competent researcher at the level postgraduate medical education.		+		
1.1.5	The mission statement <b>should</b> contain goals and educational strategy to prepare a competent scientist, researcher in the level of postgraduate medical education.		+		
1.1.6	Mission of the educational program : - <b>Should</b> be consistent with available resources, opportunities and market requirements ; -ways to support it <b>should</b> be identified ; -access to information on the mission of the medical education organization / educational program for the public <b>should</b> be provided (availability of information on the website of the university).		+		
1.1.7	The mission and goals of the educational program <b>should</b> discussed at the advisory councils / commissions of the university and approved by the advisory council of the university.		+		
1.1.8	The medical education organization <b>must</b> systematically collect, accumulate and analyze		+		

	information on their activities in preparation for the implementation of the doctoral program; conduct an assessment of strengths and weaknesses (SWOT-analysis), on the basis of which the leadership of the medical education organization, together with the advisory board, should determine the policy and develop strategic and tactical plans				
<b>1.2</b>	<b>Institutional autonomy and academic freedom</b>				
1.2.1	Medical education organization that implements educational programs of doctoral studies <b>must</b> have institutional autonomy for the development and implementation of policies for which the responsibility of the faculty and administration, especially with regard to:	+			
1.2.1.1	development of an educational program;	+			
1.2.1.2	use of the dedicated resources required for the implementation of the educational program.		+		
1.2.2	Medical education organization <b>should</b> guarantee academic freedom to its employees and future doctoral students:		+		
1.2.2.1	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 accredited specialties;		+		
1.2.2.2	in the possibility of using the results of new research to improve the study of specific disciplines / questions without expanding the educational program.		+		
<b>1.3</b>	<b>Learning outcomes</b>				
1.3.1	The medical education organization <b>must</b> determine the expected final learning outcomes that doctoral students will have to show after completion of the doctoral program.		+		
1.3.2	The medical educational organization must ensure that doctoral studies with the award of a PhD degree, a doctor in the profile will provide future doctoral students with the competence that will allow them to become a qualified researcher capable of conducting independent scientific research in accordance with the principles of best research practice (good research practice).		+		
1.3.3	Completion of the doctoral program <b>should</b> have a potential benefit for those who pursue careers outside the medical organization and apply their competencies formed during the development of the doctoral program, including critical analysis, assessment and solving difficult problems, the ability to transfer new technologies and the synthesis of new ideas.		+		
1.3.4	Medical education organization / scientific		+		

	the organization <i>should</i> ensure that the renewal and restructuring process results in the modification of graduate learning outcomes in line with the responsibilities that are assigned to graduates after graduation doctoral programs.				
	<b>Total: 18 parameters</b>	<b>2</b>	<b>16</b>		
<b>2.</b>	<b>Standard "SCIENTIFIC AND RESEARCH ENVIRONMENT AND EDUCATIONAL RESOURCES "</b>				
<b>2.1</b>	<b>Research environment</b>				
2.1.1	The success of individual doctoral programs <b>must</b> be ensured by the organization of a strong and effective research environment. The quality of the research environment <b>should</b> be assessed by analyzing:		+		
2.1.2	publication of research results (number of publications, impact factor , etc.) by profile doctoral studies in a medical educational organization / scientific organization.		+		
2.1.3	the level of attracting external funding for research in medical educational organization / scientific organization.			+	
2.1.4	number of qualified and competent researchers, teachers in a group, at a faculty, an educational institution.	+			
2.1.5	national and international collaboration with medical research groups organizations, universities, scientific research centers.		+		
2.1.6	Presence in the medical organizations of education procedures / systems comply with the ethics of scientific research		+		
2.1.7	opportunities to provide access to the funds needed to write a dissertation, doctoral programs <i>may</i> include study at other laboratories, preferably in another country, thus ensuring internationalization.	+			
2.1.8	Medical education organization <i>should</i> explore the possibilities of providing joint doctoral programs with degrees from both universities and joint leadership to support cooperation between higher education institutions.			+	
2.1.9	The medical education organization <i>should</i> ensure that the process of updating educational resources will be carried out in accordance with changing needs, such as the recruitment of doctoral students, the number and profile academic staff, doctoral program.		+		
2.1.10	Medical education organization <i>should</i> provide sufficient autonomy in the allocation of resources, including procedures aimed at decent remuneration	+			
	teachers in achieving final results learning.				
<b>2.2</b>	<b>Material and technical base</b>				

	The medical educational organization / scientific organization <b>must</b> have the material and technical support corresponding to the licensed indicators that include criteria:				
2.2.1	auditoriums, laboratories and their equipment <b>must</b> be modern and adequate to the goals and objectives doctoral programs;			+	
2.2.2	conditions for the implementation of self-study and research work of future doctoral students;		+		
2.2.3	renewal and improvement of material technical base <b>should be</b> carried out regularly.			+	
2.2.4	The medical education organization <b>must</b> have sufficient resources for the proper implementation of the doctoral program to ensure: admission of doctoral students, organizing training in the doctoral program, performing dissertation work, scientific advice to doctoral students, consideration, peer review and assessment dissertation, operating costs, expenses for participation in training courses, in international scientific conferences, payment of tuition fees for doctoral studies in institutions where it is practiced. scholarships for doctoral students in terms of variation in the size of the scholarship.		+		
2.2.5	Resource policy <b>should</b> be aimed at maintaining and ensuring continuous professional growth of program teachers doctoral studies.		+		
2.2.6	The medical education organization <b>must</b> have a service and support service for future doctoral students, including a receptionist office, research centers and laboratories, a canteen, a canteen, a medical center, sports grounds and halls.			+	
2.2.7	The medical education organization <b>must</b> provide a safe environment for employees, doctoral students, including those who ensure the implementation of the program, patients, if provided by the study, and those who care for them, including providing the necessary information and protection from harmful substances, microorganisms, compliance with the rules of technology safety in the laboratory and in the use of equipment		+		
2.2.8	Medical education organization <b>should</b> identify processes aimed at improving the learning environment of future doctoral students through regular renewal, expansion and strengthening of the material and technical base, which should correspond to the development in teaching practice.			+	
<b>2.3</b>	<b>Information Technology</b>				
2.3.1	A medical educational organization / scientific organization <b>must</b> have information support that corresponds to the goals and objectives doctoral programs:		+		



2.3.2	The library <b>should</b> contain the materials necessary for training - educational, technical, scientific and reference literature, various periodical medical publications, etc .;		+		
2.3.3	The medical education organization <b>must</b> ensure that future doctoral students will have timely and free access to library resources.		+		
2.3.4	The library <b>should</b> have the basic technical equipment to support day-to-day operations: fax machines, photocopiers, computers, printers available for public use, and a telephone with voicemail or answering machine.		+		
2.3.5	The library <b>should</b> have an informational website. The website may contain the following elements: links, interlibrary forms, full text e-journal articles, and a contact form.			+	
2.3.6	The medical education organization <b>should</b> regularly monitor library resources, study and implement strategies to meet the existing and future needs of doctoral students, including on the basis of applications from departments and faculties, and the amount of funds, allocated for the purchase of educational, methodological, scientific literature.		+		
2.3.7	The medical education organization <b>must</b> ensure that the use of doctoral students will be provided with computer classes and terminals with access to information resources (local area network, Internet).		+		
2.3.8	A medical education institution <b>should</b> provide for a mechanism for monitoring the availability and adequate use of information resources by future doctoral students.		+		
2.3.9	The medical education <b>should</b> be carried out continuous updating, improving and expanding base of information resources, with access to doctoral modern electronic databases, including to foreign databases (Thomson Reuters (the Web of Science , by Thomson Reuters The ) Scopus' , Pubmed, Elsevier, etc.).		+		
2.3.10	The medical education organization <b>must</b> open and constantly update on its website a section on doctoral programs that will open in the new academic year, containing the following information: <ul style="list-style-type: none"> <li>-structure and staff of the doctoral department, duties of the head and employees of the department;</li> <li>-admission policy, including clear rules on the selection process for doctoral students;</li> <li>-list of doctoral programs;</li> <li>-structure, duration and content of doctoral programs;</li> <li>-criteria for the appointment of a scientific advisor, outlining the characteristics, responsibilities and qualifications of the scientific advisor;</li> <li>-methods used to assess doctoral students;</li> </ul>		+		

	<ul style="list-style-type: none"> <li>-description of the work of the State Attestation Commission;</li> <li>-criteria for the design and writing of a thesis;</li> <li>-description of the procedure for defending a dissertation work;</li> <li>-description of the activities of the Dissertation Council (position, composition), if there is one, in the absence of a Dissertation Council in the specialty at the university - model rules for awarding academic degrees /model regulation on the Dissertation Council;</li> <li>-program for quality assurance and regular evaluation of the doctoral program .</li> </ul>				
	Total: 28 parameters	<b>3</b>	<b>18</b>	<b>7</b>	
<b>3.</b>	<b>Standard "POLICY AND RECEPTION CRITERIA"</b>				
3.1	The medical education organization <b>must</b> establish the relationship between the selection of doctoral students and the mission of the medical education organization, the educational program and the requirements of the labor market.		+		
3.2	The medical education organization / scientific organization <b>must</b> determine and implement a policy of admission, including a clearly established provision on selection process for doctoral students.		+		
3.3	The medical education institution <b>must</b> have a system / mechanisms of career guidance work aimed at selecting applicants for the selected specialties of doctoral studies.			+	
3.4	The medical education organization <b>must</b> determine the structure responsible for organizing the admission and selection of doctoral students, developed and approved rules / criteria for admission, based on the established model rules for admission to doctoral studies for higher educational institutions, disseminating information for a wide the public.		+		
3.5	In the selection of future doctoral students <i>should</i> evaluate research potential of the applicant, and not just take into account his academic performance.		+		
3.6	In a medical educational organization, there <b>should</b> be a system for studying employment, demand, career support and continuous professional improvement future graduates.		+		
3.7	The medical education organization <i>should</i> ensure that the process of updating and restructuring leads to an adaptation of the admission policy for doctoral students, taking into account changing expectations and circumstances, human resource needs, changes in the postgraduate education system and needs of the program.		+		
	<b>Total: 7 parameters</b>	-	<b>6</b>	<b>1</b>	
<b>4</b>	<b>DOCTORATE PROGRAM standard</b>				

<b>4.1</b>	<b>Model of the educational program, methods learning and structure</b>				
4.1.1	The medical education organization must ensure that the educational program is developed on the basis of an integrated, comprehensive, competence-based approach, using modular training technologies, and is positively evaluated by external experts / reviewers.			+	
4.1.2	The medical education organization must determine the goal and objectives of the doctoral educational program, which are aimed at achieving mission organization of education / educational program and learning outcomes.		+		
4.1.3	The medical education organization must ensure that the content of the educational program meets the requirements of the State Educational Standard and the standard curriculum of the relevant specialty and is developed taking into account the needs labor market.		+		
4.1.4	The medical education organization must ensure the implementation of the educational program with the appropriate working curricula, academic calendar, curriculum for disciplines, forms of the individual curriculum of future doctoral students and an individual plan doctoral student work.		+		
4.1.5	The doctoral program must provide for the performance of original research, which requires analytical and critical thinking, to be carried out under scientific leadership.		+		
4.1.6	The medical education organization must ensure that the educational program will be implemented in accordance with the principles equality.			+	
4.1.7	The medical education organization must provide mechanisms to guarantee fulfillment of obligations by future doctoral students in relation to doctors, teachers, patients and their relatives in accordance with the Code Conduct / Code of Honor.		+		
4.1.8	The doctoral program must guarantee teaching doctoral students the rules of ethics and responsible research			+	
4.1.9	The medical education organization must determine the teaching and learning methods appropriate to the educational program and achievement of the competencies of students.		+		

4.1.10	The doctoral program must be structured with a clear time limit equivalent to 3 years full time and contain: theoretical training, including the study of cycles of basic and major disciplines; practical training of doctoral students - various types of practices, scientific internships; research work, including the implementation of a doctoral dissertation for scientific and pedagogical doctoral studies; experimental research work, including the implementation of a doctoral dissertation for specialized doctoral studies; intermediate and final certification.		+		
4.1.11	The medical education organization should provide for mechanisms for the implementation of pedagogical practice (in accordance with the type of doctoral studies) for the formation of doctoral students' practical skills and teaching methods.		+		
4.1.12	The medical education organization should provide mechanisms for the implementation of research practice for the formation of doctoral students' 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 experimental data.		+		
4.1.13	The medical education organization should provide for mechanisms for the implementation of industrial practice (in accordance with the type of doctoral studies) for the formation of doctoral students on the basis of theoretical knowledge of practical skills, competencies and professional experience in the specialty taught, as well as mastering advanced experience.		+		
4.1.14	The medical education organization must ensure that doctoral students will be provided with the opportunity for additional training during the vacation period in the presence of academic debt, desire to develop additional credits		+		
4.1.15	An appeal mechanism should be developed in the medical education organization, allowing future doctoral students to review the decision regarding their achievements in educational programs.		+		
4.2	<b>Doctoral Program Evaluation</b>				
4.2.1	The medical education organization must 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 that require interventions.			+	

4.2.2	The medical education organization must have approved mechanisms for the regular assessment of the quality of the program, including feedback from scientific consultants, employers and doctoral students.			+	
4.2.3	The medical education organization should have mechanisms aimed at systematic collection, analysis of feedback and its provision to teachers and doctoral students, which will include information on the process and products of the educational program, including unfair practice or improper behavior of teachers or doctoral students.			+	
	The medical education organization should ensure that the process of updating and restructuring the program will be regularly and aimed at:				
4.2.4	adapting the curriculum model and teaching methodology to ensure that they are appropriate and appropriate;			+	
4.2.5	adjusting the elements of the program and their relationship in accordance with advances in medical sciences, with changes in the demographic situation and state health / morbidity structure of the population and socio-economic, cultural conditions.			+	
<b>4.3</b>	<b>Engaging stakeholders</b>				
4.3.1	The medical education organization must ensure that the teaching staff, doctoral students, administrative and managerial staff will be involved in the monitoring program and activities for evaluating the educational program. staff, employers			+	
4.3.2	The medical education organization should ensure that other stakeholders are involved in the assessment process, including representatives of academic and administrative staff, representatives of the public, authorized bodies for education and healthcare, professional organizations, employers.			+	
4.3.3	Medical education organization should have mechanisms for providing access to results evaluation of the educational program of all stakeholders				+
4.3.4	The medical education organization should ensure that the process of updating and restructuring will lead to an improvement in the monitoring and evaluation of the program in accordance with changes in the final results teaching and teaching and learning methods.			+	
	<b>Total: 24 parameters</b>	-		<b>18</b>	<b>6</b>
<b>five</b>	<b>SCIENTIFIC GUIDANCE standard</b>				
5.1	The medical education organization must ensure that it will determine for each doctoral student scientific consultants (domestic and foreign)	+			
5.2	The medical education organization must have mechanisms / procedures governing the process of discussion and approval of the candidacy of the scientific consultant and the research topic of the doctoral student according to standard requirements and GOSO.	+			

5.3	The medical education organization must ensure that scientific consultants are selected from specialists with a scientific degree and are actively involved in scientific research in the field of science in the specialty of teaching a doctoral student.	+			
5.4	The medical education organization must have clearly formulated responsibilities and scientific advisor responsibility		+		
5.5	The medical education organization should plan and organize training courses for scientific advisers on implementation policy doctoral programs, the main responsibilities of scientific advisers.		+		
5.6	Medical education organization must have procedures / mechanisms / structures carrying out the organization, control of the scientific activities of future doctoral students on the implementation of dissertation research		+		
5.7	The medical education organization must determine, approve and publish the principles, methods and practices that will be used to evaluate doctoral students, including the evaluation criteria scientific work		+		
	<b>Total: 7 parameters</b>	<b>5</b>	<b>4</b>		
6	<b>Standard «PhD THESIS»</b>				
6.1.	The PhD program should end with the preparation and defense of a doctoral dissertation, which is an indicator of the formation of the doctoral student's competencies in accordance with the educational program.	+			
6.2	Medical organization of education/scientific the organization must set a deadline for preparation dissertations, limited to a 3-year period.	+			
6.3	The dissertation must be written by the doctoral student independently, contain a set of new scientific results and provisions put forward by the author for public defense, and indicate the author's personal contribution to science, and also meet one of the requirements:	+			
6.4	contain new evidence-based results, which solve an important scientific problem;	+			
6.5	contain new evidence-based results, the use of which provides a solution to an important problem applied tasks;	+			
6.6	contain new scientifically based theoretical and (or) experimental results, the totality of which is important for the development of specific scientific areas.	+			
6.7	The structure of the dissertation should include a review of the literature related to the research topic, a detailed analysis of the goals and objectives of the research work, a methodological base, methodological solutions, results, discussion, conclusion, conclusions and future prospects of the +study.	+			
6.8	A+ dissertation of applied significance should contain information about the practical use of the scientific results obtained by the author, confirmed by author's certificates,	+			

	patents and other official documents.				
6.9	The dissertation can be written in the state or Russian languages	+			
6.10	To ensure international recognition, the dissertation can be written and defended in English.	+			
6.11	The abstract for the dissertation should be published in the state, Russian and English languages.	+			
6.12	The summary of the doctoral thesis should be published in two languages (English, Russian or Kazakh), depending on the main language of study of the doctoral student.	+			
6.13	The results of the dissertation work should be available to interested parties (doctoral students,+ 32 scientific supervisors, employees of the organization where the dissertation was performed, researchers performing scientific work in a similar direction, and other categories of interested persons), i.e. published, if copyright or other reasons do not prevent this.	+			
6.14	The dissertation can be published on the home web page of the medical organization of education/scientific organization where the scientific work was performed, both in abbreviated form (summary, theses), and in full, if copyright or other reasons do not prevent it.	+			
6.15	The dissertation must be accompanied by not less than 7 (seven) publications on the topic of the thesis, including at least 3 (three) in scientific journals recommended by the Committee, one (1) in the international scientific edition, 3 (three) proceedings of international conferences, including one (1) in the materials overseas conferences. The international publication must be in the information database of Thomson Reuters (ISI Web of Knowledge, Thomson Reuters) or Scopus, and have a non-zero impact factor.	+			
6.16	In the case of joint publications, the co-author should document that the doctoral student has made a significant and independent contribution to the writing of these papers. Ownership of the research results of a doctoral student should be clearly defined and described. This will avoid re-publishing the results in more than one dissertation.		+		
6.17	The medical educational organization / scientific organization should ensure that the doctoral dissertation is discussed at the meeting of the Department (s) where the dissertation was performed.	+			
<b>IN TOTAL:</b>		<b>16</b>	<b>1</b>	<b>0</b>	
7	<b>Standard " evaluation of DISSERTATIONS»</b>				
7.1	The medical education organization / scientific organization must define, approve, and publish the principles, methods, and practices used for evaluating doctoral students, including the criteria for evaluating scientific work.		+		
7.2	Final evaluation and approval of the thesis	+			

	the work should be carried out by the Dissertation Council.				
7.3	The dissertation defense should be conducted at the University where the Dissertation Council functions in the corresponding field of PhD training.	+			
7.4	The dissertation must be reviewed.	+			
7.5	Based on the study of the dissertation and published works, reviewers should submit written reviews to the Dissertation Council, which assess the relevance of the chosen topic, the degree of validity of scientific provisions, conclusions, recommendations formulated in the dissertation and its practical significance, their novelty, and also give an opinion on the possibility of awarding the degree of doctor of philosophy (PhD) in the relevant specialty.	+			
7.6	The defense of a doctoral dissertation should include: preparation of the written version, and subsequent oral defense.	+			
7.7	The dissertation defense should be open to the public.	+			
7.8	The time between the submission of the dissertation to the Dissertation Council and the defense should be as short as possible in order to ensure further employment for the graduate of the doctoral program.	+			
7.9	The dissertation defense should be considered successful if the Dissertation Council made a positive decision, i.e. 2/3 (two-thirds) or more of the Dissertation Council members who participated in the meeting voted for it. If less than 2/3 voted for a positive decision (two-thirds) of the members of the Dissertation Council who participated in the meeting, a negative decision is made.	+			
7.10	In case of negative evaluation of the written version of the dissertation, the doctoral student should be given the opportunity to finalize the dissertation. If a negative assessment is given in the oral defense, the doctoral student must additional protection may be allowed. In exceptional cases, the Dissertation Council may reject the dissertation without the possibility of revision.		+		
7.11	The PhD degree should be awarded by a medical educational organization / scientific organization based on the decision of the Dissertation Council, which evaluates the dissertation and oral defense according to the "PhD Dissertation" standard.	+			
7.12	In order to achieve independent and competent international expertise, medical educational organizations / scientific organizations should actively use information technologies that allow some members of the Dissertation Council to participate in the process of evaluating and defending a dissertation remotely.	+			
	<b>IN TOTAL:</b>	<b>10</b>	<b>2</b>		
<b>8</b>	<b>GOVERNANCE AND ADMINISTRATION standard</b>				



<b>8.1</b>	<b>Program management</b>				
8.1.1	The management of a university / scientific organization <b>should</b> be effective and ensure the improvement of the educational program.		+		
8.1.2	Medical organization of education should ensure that training in doctoral studies carried out only in full-time		+		
8.1.3	The medical education organization must determine the structural unit responsible for educational programs and achievement final learning outcomes.		+		
8.1.4	The structural unit responsible for educational programs <b>should</b> have the authority to plan and implement the educational program, including the allocation of allocated resources for planning and implementing teaching and learning methods, assessment doctoral students, evaluation of the educational program and training courses.			+	
8.1.5	The medical education organization must guarantee the interaction of future doctoral students with the leadership on design issues, management and evaluation of doctoral programs.		+		
8.1.6	The medical education organization should encourage and facilitate the involvement of future doctoral students in the process of developing educational programs for the training of doctoral students, for which it is necessary to provide appropriate procedures.		+		
8.1.7	The structural unit responsible for educational programs <b>should</b> ensure the transparency of the management system and the decisions made that are published in the bulletins, posted on the website of the university, included in the protocols for review and execution.		+		
8.1.8	The medical education organization <b>should</b> , through the structural unit responsible for educational programs, plan and implement innovations in the educational program.		+		
8.1.9	Medical education organization representatives from other relevant stakeholders <b>should be</b> included in the structural unit of the medical education organization responsible for educational programs, including other participants in the educational process, representatives from clinical bases, graduates of medical education organizations, health professionals involved in the training process or other teachers of the university faculties ...		+		
	Medical education organization <b>should</b> ensure that the structural unit responsible for the educational program:				
8.1.10	takes into account the peculiarities of the conditions in which graduates will have to work and modify the educational program accordingly.		+		

8.1.11	considers the modification of the educational program based on feedback from the public and society as a whole.			+	
8.1.12	Medical education organization / scientific the organization should ensure that the process of renewal and restructuring leads to improvements in the organizational structure and management principles of the PhD doctoral program to ensure effective performance in the face of changing circumstances and needs, and, in the long term, to meet the interests of various groups, stakeholders in the context of changing circumstances and needs ...			+	
<b>8.2</b>	<b>Academic leadership</b>				
8.2.1	The medical education organization <b>must</b> clearly define the responsibility of the academic leadership in relation to the development and management educational program			+	
8.2.2	Medical education organization <b>should</b> periodically assess academic leadership against the achievement of its mission and learning outcomes.			+	
<b>8.3</b>	<b>Training budget and resource allocation</b>				
	The medical education organization <b>must</b>				
8.3.1	have clear terms of reference and authority for providing the educational program with resources, including the target budget for training.			+	
8.3.2	plan and allocate resources necessary for the implementation of the educational program and allocate educational resources in accordance with their needs.			+	
8.3.3	The financing system of a medical education institution should be based on the principles of efficiency, effectiveness, priority, transparency, responsibility, differentiation and independence of all levels of budgets.			+	
8.3.4	Financial and administrative policies <b>should</b> be aimed at improving the quality of the educational program.			+	
	The medical education organization <b>should:</b>				
8.3.5	provide sufficient autonomy in the allocation of resources, including decent remuneration of teachers in order of achievement final learning outcomes;			+	
8.3.6	when allocating resources, take into account scientific advances in medicine and problems public health and their needs.			+	
<b>8.4</b>	<b>Administrative staff and management</b>				
	The medical education organization <b>must</b> have an appropriate administrative and academic staff, including their number and composition in accordance with qualifications, in order to:				
8.4.1	ensure the implementation of the educational program and related activities;			+	
8.4.2	ensure proper management and resource allocation.			+	

8.4.3	The medical educational organization / scientific organization <b>should</b> develop and implement an internal program for quality assurance of management, including consideration of needs for improvement, and conduct a regular review and analysis of management.			+	
8.4.4	A medical educational organization / scientific organization <b>must</b> ensure the implementation of the PhD doctoral program in accordance with a quality management system certified by independent organizations.			+	
<b>8.5</b>	<b>Interaction with the health sector</b>				
8.5.1	A medical education organization <b>must</b> have constructive interaction with the health sector, with related health sectors of society and government, including the exchange of information, cooperation and initiatives of the organization, which contributes to the provision of qualified specialists in according to the needs of society			+	
8.5.2	The medical education organization <b>should</b> provide an operational link between the educational program and the subsequent stages of professional training			+	
8.5.3	The medical education organization should be given a formal status of cooperation with partners in the health sector, which includes the conclusion of formal 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			+	
	<b>IN TOTAL:</b>	<b>7</b>	<b>13</b>	<b>2</b>	
9	<b>Standard " CONTINUOUS IMPROVEMENT»</b>				
9.1	The medical education organization must ensure that, as a dynamic and socially responsible institution, it will:			+	
9.2	Initiate procedures for regular review and revision of content, results/competencies, assessment and learning environment, structure and function, document and address deficiencies;			+	
9.3	Allocate resources for continuous improvement.			+	
9.4	Medical education organizations should: base the update process on prospective research and analysis and on the results of their own research, evaluation, and literature on medical postgraduate education;			+	
9.4	Ensure that the process of updating and restructuring leads to a review of its policies and practices in accordance with previous experience, current activities and prospects.			+	
9.5	The medical organization of education in the process of updating / continuous improvement should pay attention to: adapting the mission and final results of postgraduate medical education to the scientific, socio-economic and cultural development of society for the future;			+	
9.6	Modification of the intended end results of post-graduate training in the selected field of health care in accordance with the documented needs of the environment. Changes			+	

	may include adjustments to the structure and content of the educational program and the principles of active learning. The adjustment will ensure that new relevant knowledge, concepts, methods and concepts are developed, along with the elimination of outdated ones, based on new advances in basic biomedical, clinical, behavioral and social sciences, taking into account changes in the demographic situation and population structure on public health issues, as well as changes in socio-economic and cultural conditions;				
9.7	Development of assessment principles, methods of conducting and number of examinations in accordance with changes in the final results of training and methods of teaching and learning;		+		
9.8	Adaptation of the recruitment and selection policy for master's degree students, taking into account changing expectations and circumstances, human resource needs, changes in the postgraduate education system, and the needs of the educational program;		+		
9.9	Adaptation of the recruitment policy and formation of academic staff in accordance with changing needs;		+		
9.10	Improving the monitoring and evaluation process Educational program.			+	
9.11	The medical education organization must ensure that the improvement of the organizational structure and management principles It will be aimed at ensuring effective performance in the face of changing circumstances and needs, and, in the future, to meet the interests of various groups of stakeholders.		+		
	<b>Subtotal</b>	<b>8</b>	<b>8</b>		
	<b>Total:</b>	<b>75</b>	<b>58</b>	<b>4</b>	