

To the Accreditation Council of the
Eurasian Centre for Accreditation and
Quality Assurance in Education and
Health Care
May 17, 2024

**REPORT
OF THE EXTERNAL EXPERT COMMISSION ON THE RESULTS OF THE
EVALUATION OF THE EDUCATIONAL PROGRAMME
7R01107 "INFECTIOUS DISEASES OF ADULTS, CHILDREN"
OF THE NJSC "MEDICAL UNIVERSITY OF KARAGANDA" FOR
COMPLIANCE WITH THE STANDARDS FOR ACCREDITATION OF
POSTGRADUATE EDUCATION PROGRAMMES (RESIDENCE
SPECIALTIES) OF MEDICAL EDUCATIONAL ORGANIZATIONS**

Period of external expert evaluation: May 15-17, 2024

Karaganda, 2024

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LIST OF DESIGNATIONS AND ABBREVIATIONS

Abbreviation	Designation
ECAQA	Eurasian Centre for Accreditation and Quality Assurance in Education and Health Care
WFME	World Federation for Medical Education
MSHE RK	Ministry of Science and Higher Education of the Republic of Kazakhstan
AC	Academic Committee
AP	Academic Policy
CPS	Certification of Practical Skills
HEI	Higher Education Institution
SCES	State Compulsory Education Standard
DAA	Department of Academic Affairs
DET	Distance Educational Technologies
DI and ID	Department of Informatization and Infrastructure Development
DHRM	Department of Human Resources Management
UHEMS	Unified Higher Education Management System
FCC	Final Certification Commission
End-of-course assessment	End-of-course assessment
IEP	Individual educational plan
IWP	Individual Work Plan
CDD	Clinical Diagnostic Department
CDC	Clinical Diagnostic Center
IMIS	Integrated Medical Information System
CED	Catalog of Elective Disciplines
QACS	Quality Assurance Commission of the School of Residency and Professional Development
MSE	Municipal State-Owned Enterprise
MOH	Ministry of Health
LEA	Local executive authorities
NJSC MUK	Non-Commercial Joint-Stock Company "Medical University of Karaganda"
NCIE	National Center for Independent examinations
RW	Research work
STP	Scientific and technical project
RCCH	Regional Children's Clinical Hospital
RCH	Regional Clinical Hospital
EP	Educational programme
ICU	Intensive care unit
ARA	Admission Rating Assessment
EDI	Especially dangerous infections
MC	Major competencies
Academic staff	Academic staff
LO	Learning outcome
WC	Working curriculum
SSS	Student support service
IWR	Independent work of residents

IWRT	Independent work of residents with teachers
SRC	Student research club
Mass media	Mass media
CSET	Center for simulation and educational technologies
SR and PD	School of residency and professional development
CBL	Case-based learning
ECTS	European Credit Transfer and Accumulation System

1. Composition of the External Expert Commission

In accordance with the order of the ECAQA No. 15 dated 02.05.2024, the External Expert Commission (hereinafter referred to as the EEC) was formed to conduct an external evaluation of the educational programme of the residency in the specialty "Infectious diseases of adults and children" of the NJSC "Medical University of Karaganda" in the period from May 15 to 17, 2024, in the following composition:

No.	Status in the EEC	Full name	Academic degree/title, position, place of work/place of study, year, specialty
1	Chairman	Zhanalina Bakhyt Sekerbekovna	Doctor of Medical Sciences, Professor of the Department of Surgical and Paediatric Dentistry of the NJSC "West Kazakhstan Medical University named after Marat Ospanov"
2	International Expert	Nasyrov Ruslan Abdullaevich	Doctor of Medical Sciences, Professor, Vice-Rector for Research, Head of the Department of Pathological Anatomy with a Course in Forensic Medicine of the St. Petersburg State Paediatric Medical University of the Ministry of Health of the Russian Federation, Member of the New York Academy of Sciences
3	International Expert	Troinich Yana Nikolaevna	Vice-Rector for Social and Educational Work of the Armenian-Russian International University "Mkhitar Gosh", translator of medical literature - Logosfera Publishing House. Member of the Student Scientific Society at the Department of Histology of the Perm State Medical University. Head of the Student Scientific Society at the Department of Histology of the Perm State Medical University.
4	Academic Expert	Zhumalina Akmaral Kanashevna	Doctor of Medical Sciences, Professor, Head of the Department of Paediatric Diseases with a Course in Neonatology, NJSC "West Kazakhstan Medical University named after Marat Ospanov "
5	Academic Expert	Madyarov Valentin Manarbekovich	Doctor of Medical Sciences, Head of the Department of Surgery with a Course in Anaesthesiology and Resuscitation, NJSC "Kazakh-Russian Medical University"
6	Academic Expert	Nugmanova Aigul Maratovna	Doctor of Medical Sciences, Head of the Department of Paediatrics with a Course in

			CID, NJSC "Kazakh-Russian Medical University"
7	Academic Expert	Apbasova Saulesh Akhatovna	Candidate of Medical Sciences, Assistant of the Department of Pathological Anatomy and Forensic Medicine named after Professor Yu.V. Pruglo, NJSC "Semey Medical University"
8	Academic Expert	Yesetova Gulstan Utegenovna	Candidate of Medical Sciences, Head of the Department of Pulmonology, NJSC "Kazakh National Medical University named after S.D. Asfendiyarov"
9	Academic Expert	Sadykova Ainur Maralovna	Candidate of Medical Sciences, Associate Professor of the Department of Infectious and Tropical Diseases, NJSC "Kazakh National Medical University named after S.D. Asfendiyarov". Member of the working groups for preparation and participation in the National Ranking of Educational Programmes of the National Chamber of Entrepreneurs "ATAMEKEN", for conducting institutional accreditation.
10	Academic Expert	Tuksanbaeva Gulfariza Usenbaevna	Candidate of Medical Sciences, Acting Professor of the Department of Neurology, Psychiatry, Rehabilitation and Neurosurgery of the South Kazakhstan Medical Academy
11	Academic Expert	Iztleuov Yerbolat Maratovich	Candidate of Medical Sciences, Head of the Department of Radiology, NJSC "West Kazakhstan Medical University named after Marat Ospanov ", member of the local ethics commission on research work, internal auditor of the quality management service
12	Academic Expert	Pak Laura Alekseevna	PhD, Director of the Department of Higher Education of NJSC "Semey Medical University", Chairman of the State Unitary Enterprise Committee for the specialty "Oncology"
13	Academic Expert	Kamhen Vitaly Bronislavovich	PhD, Associate Professor, Associate Professor of the Department of "Health Policy and Organization" of NJSC "Kazakh National University named after Al-Farabi"
14	Employer Expert	Daniyarova Bayan Lashinovna	Head of the MSE "CDC Regional Clinical Hospital" of the Health Department of the Karaganda Region
15	Student Expert	Dyusembek Nazira Askerbekkyzy	Resident of the 2nd year of study in the specialty "Adult and Pediatric Neurology" of the NJSC "Astana Medical University"
16.	ECAQA Observer	Umarova Makpal Aldibekovna	Head of the Accreditation and Monitoring Department of the NI "Eurasian Centre for Accreditation and Quality Assurance in Education and Health Care".

The EEC report includes a description of the results and the conclusion of the external evaluation of the educational programme "Infectious diseases of adults and children" for compliance with the Standards for Accreditation for postgraduate education programmes (residency specialties) of medical educational organizations and conclusions (hereinafter referred to as the Standards for Accreditation), recommendations of the EEC for further improvement of approaches and conditions for the implementation of the above-mentioned educational programme and recommendations for accreditation for the ECAQA Accreditation Council for Accreditation.

2. General part of the final report

2.1 Presentation of the educational residency programme in specialty 7R01107 "Infectious diseases of adults and children" of the NJSC "Medical University of Karaganda"

Name of the organization, legal form of ownership, BIN	Non-profit Joint-Stock Company "Karaganda Medical University of Karaganda", BIN: 190140033600
Management body	Sole shareholder - Ministry of Health of the Republic of Kazakhstan, Management body - Board of Directors, executive body - Management Board
Full name of the first director	Turmukhambetova Anar Akyzbekovna, Chairman of the Management Board - Rector
Date of establishment	The University was founded in 1950. RSE on the REM "Karaganda State Medical University" was reorganized into NJSC "Medical University of Karaganda" on the basis of order No. 82 of the Ministry of Finance of the Republic of Kazakhstan dated 01/25/2019
Location and contact details	Republic of Kazakhstan, Karaganda region, Karaganda, st. Gogolya, 40, 100008
State license for educational activities in residency (date, number)	License for educational activities No. KZ32LAA00016018 dated 06.05.2019
Year of commencement of the implementation of the accredited educational programme (EP)	Start year - 2017 Total number of graduates since the beginning of the residency programmes - 74 people.
Duration of training	2 years
Number of residents in the current academic year	1st year - 5 residents 2nd year - 12 residents
Quality indicators in residency	Number of residents in the program "Infectious diseases of adults, children" expelled over a period of 5 years - 8 people, including for academic failure - 0 people. Employment rate, % in dynamics over 5 years: 2019 – 100% 2020 – 100% 2021 – 100% 2022 – 100% 2023 – 100%
Full-time teachers/part-time workers involved in the implementation of the EP, incl. % of Sedateness	Total number of teachers - 15, including full-time - 7, part-time - 8. Sedateness, % - 57% Categorization, % - 100%..
Name of the organization, legal form of ownership, BIN	Non-profit joint-stock company "Medical University of Karaganda"

The educational programme (hereinafter referred to as the EP) in the specialty 7R01107 "Infectious diseases of adults and children" was first developed at NJSC "MUK" in 2017 in accordance with the National Qualifications Framework, professional standards approved in accordance with paragraph 2 of Article 117 of the Labour Code of the Republic of Kazakhstan dated November 23, 2015, and the State Compulsory Standard of Postgraduate Education.

Since 2019, educational activities have been implemented in accordance with the license in the direction of 7R091 "Healthcare", KZ32LAA00016018 dated May 6, 2019. In 2019, the EP in the residency specialty 6R111300 "Infectious diseases, including children's" was accredited by the National Institution "Independent Agency for Accreditation and Rating" (hereinafter referred to as IAAR) and has an accreditation certificate AB No. 2587/2, the validity period of the accreditation certificate: 06/14/2019-06/13/2024.

In September 2019, based on amendments to the State Compulsory Education Standard (hereinafter referred to as the SCES), in accordance with amendments to the order "On approval of state compulsory standards and model professional educational programmes in medical and pharmaceutical specialties" by the Acting Minister of Health and Social Development of the Republic of Kazakhstan dated July 31, 2015 No. 647, EP 7R09107 "Infectious diseases, including children's" was developed. Due to changes in the requirements for the content of educational programmes for residency and changes in the typical curriculum (hereinafter referred to as TC), the following basic disciplines have been excluded from the EP: Evidence-Based Medicine, Public Health and Healthcare, Statistical Analysis in Healthcare, and Research Management. Changes have been made to the requirements for the volume of the teaching load of a residency student in the form of a redistribution of the hours of the educational process with a focus on the clinical training of a resident - independent clinical work under the guidance of a clinical mentor - 75% (hereinafter referred to as IWRT), classroom work - 10%, and the actual independent work of the resident - 15% (hereinafter referred to as IWR). Based on these changes to the State Compulsory Educational Standard and TC, working curricula (hereinafter referred to as WC) and discipline syllabuses have been developed.

In 2020, the EP in the specialty "Infectious diseases, including children's" was included in the register of the Unified System for Higher Education Management (hereinafter - USHEM) of the Ministry of Education and Science of the Republic of Kazakhstan in accordance with the Classifier of areas of training personnel with higher and postgraduate education as an "active EP".

In 2021, due to the change in codes and renaming of the EP accredited by the IAAR, in accordance with the order of the Ministry of Health of the Republic of Kazakhstan No. RK MOH 43 dated May 25, 2021 "On approval of the list of medical specialties of residency programs", the procedure for recognizing accreditation was carried out with the subsequent re-issuance of certificates according to the criteria described in the Regulation on the transit policy of the IAAR, and post-accreditation monitoring of EP 7R01107 "Infectious diseases of adults, children" was passed.

In 2022, the second version of EP 7R01107 "Infectious diseases of adults, children" was developed in accordance with the approved State Compulsory Educational Standard, according to the order of the Ministry of Health of the Republic of Kazakhstan dated July 4, 2022 No RK MOH - 63 "On approval of state compulsory standards for levels of education in the field of health care" and TC in the specialty "Infectious diseases of adults, children".

Within the framework of specialized accreditation, recommendations were given to provide for the use of the experience of foreign universities - partners in the development of the EP. In addition, recommendations were given to improve the process of ensuring the quality of assessment practices in terms of determining the reliability and validity of assessment methods. Within the framework of specialized accreditation, recommendations were given to provide for the use of the experience of foreign universities - partners in the development of the EP. In this regard, a joint EP was developed with the Tajik State Medical University named after Abu Ali Ibni Sino (TSMU), approved for the 2019-2020 academic year, and a memorandum of cooperation in the field of healthcare, academic, scientific and cultural cooperation was concluded, which is actively carried out with the Department of

Paediatric Infectious Diseases. In addition, recommendations were given to improve the process of ensuring the quality of evaluation practice in terms of determining the reliability and validity of assessment methods. By the decision of the Board of NJSC "MUK" dated October 30, 2019, the midterm assessment of students was transferred to a written format with mandatory plagiarism testing through the Turni program. The Office of the Registrar of NJSC "MUK" constantly monitors the results of the midterm assessment of students and analyses them in accordance with the assessment table, reflecting the actual percentage distribution of absolute grades above the passing level in groups of students.

It was also recommended to train practical healthcare specialists involved in the educational process in pedagogical competencies on an ongoing basis. According to this recommendation, advanced training in pedagogical competencies was conducted for clinical mentors using face-to-face and distance learning, distance learning technology.

Clinical mentors, who provide training for residents at all levels of medical care at clinical sites within the framework of the educational programme 7R01107 "Infectious diseases of adults and children" have undergone advanced training in teaching (online) on the topic: "Educational technology in teaching clinical disciplines" in the amount of 54 hours (Imanova A.Zh., Kustova Zh.A., Kishenova G.Zh., Satvaldinova D.N. and others).

One of the recommendations within the framework of specialized accreditation was the provision of academic hours for conducting scientific research in the resident training program. The syllabuses of disciplines provide for hours of IWRT and IWR for conducting scientific research. Students can carry out both initiative research projects and be part of temporary scientific teams of the STP. Residents have access to archival case histories, current data in the integrated information system, allowing for retro- and prospective studies (IWRT). All clinical bases of the university are bases for conducting research work and publishing the results of their work in the journals RSCI, Scopus, Committee for Control of Education and Science.

It is also recommended to actively involve key stakeholders in monitoring and evaluating the residency programme. The evaluation of the programme is carried out in accordance with the Regulation on the management of the educational programme in NJSC "MUK". The monitoring and evaluation system of the programme 7R01107 "Infectious diseases of adults, children" covers all aspects of the organization, implementation and evaluation of the program: development, approval of the programme, organization and implementation of the educational process, achievement of the final outcomes of training of residents, analysis of the results of external and internal audit of educational programmes and the educational process in the university, analysis of feedback data from all participants in the educational process and stakeholders. While developing EP 7R01107 "Infectious diseases of adults, children" in 2019, it was agreed upon and approved by the Council of the School of Residency and Professional Development, the Senate of the NJSC "MUK", with the regional freelance infectious disease specialist of the MSE "Regional Hospital" of the Health Department of the Karaganda Region Bekzatova G.K.

Over the past 5 years, the contingent of residents was 74:

in 2019-2020 - 7 people graduated (1h/d, LEA RCH + 6 s/o), 16 residents entered the 1st year of study (all by state order);

in the 2020-2021 academic year, the total number of residents was 50 (40-s/o, 10-LEA), (by the end of the academic year, 2 were expelled, 2 were on academic leave);

In the 2021-2022 academic year, 43 residents were studying, of which (37 by state order, 1-LEA of Pavlodar region, 5 - LEA of Karaganda region) (by the end of the academic year, 1 was expelled, academic leave - 2 people);

in the 2022-2023 academic year - 24 residents (15 - s/o, 3-LEA of Karaganda region, 3-LEA of Kostanay region), (this academic year, 1 person returned from academic leave)

in the 2023-2024 academic year - 23 residents (19-state order, 2-h/d), (since the beginning of the academic year, 6 people were expelled, 2 people were reinstated from academic leave). There are 17 students: 5 in the 1st year of study, 12 in the 2nd year.

The head of the EP is Professor Alshinbekova G.K., member of the EP Committee in the specialty "Infectious diseases of adults and children" at the EMA REMC in the direction of "Healthcare", developer and reviewer of clinical protocols for diagnosis and treatment in the infectious diseases service of the Republic of Kazakhstan, an expert in the field of medical education.

Graduates of the residency EP "Infectious diseases of adults and children" are in demand; the employment rate is 100%.

2.2 Information about previous accreditation

In 2019, the EP in the residency specialty 6R111300 "Infectious diseases, including children's diseases" was accredited by the Independent Agency for Accreditation and Rating (hereinafter referred to as IAAR) and has an accreditation certificate AB No. 2587/2, the validity period of the accreditation certificate: 06/14/2019-06/13/2024.

In 2021, due to the change of codes and renaming of EPs accredited by IAAR, in accordance with the order of the Ministry of Health of the Republic of Kazakhstan No RK MOH 43 dated May 25, 2021 "On approval of the list of medical specialties of residency programs", the procedure for recognizing accreditation was carried out with subsequent re-issuance of certificates according to the criteria described in the Regulation on the transit policy of IAAR, and post-accreditation monitoring of EP 7R01107 "Infectious diseases of adults, children" was also completed.

2.3 Brief description of the results of the analysis of the self-assessment report of the educational programme of residency in the specialty "Infectious diseases of adults, children" of the NJSC "Medical University of Karaganda" and conclusions on the completeness

The report on the self-assessment of the educational programme of residency in the specialty "Infectious diseases of adults, children" (hereinafter referred to as the report) is presented on 130 pages of the main text, annexes on 2 pages, copies or electronic versions of 30 documents located at the link <https://drive.google.com/file/d/1t7KPIBWoeLnFQlhAqqHl3XhanHH8uAUA/view>.

The report is characterized by completeness of answers to all 9 main standards for accreditation and criteria, structured taking into account the recommendations of the Guidelines for conducting self-assessment of the educational programme provided to the educational organization by the accreditation centre - ECAQA, as well as internal unity of information. The report is accompanied by a cover letter signed by the **Chairman of the Board** - Rector Turmukhambetova A.A., which confirms the reliability of the quantitative information and data included in the self-assessment report.

The report contains a list of 10 members of the internal self-assessment commission indicating the responsibility of each employee, information about the representative of the organization responsible for conducting self-assessment of the educational programme - Yernazarova M.A., chief specialist of the department of strategic development and quality management.

Self-assessment of the educational programme "Infectious diseases of adults, children" was carried out on the basis of the order of the rector of the university No. 396 dated October 17, 2023 "On approval of the composition of the working group for self-assessment of educational programmes". All standards provide the University's actual practice of training residents in the specialty "Infectious Diseases of Adults, Children" taking into account the start of student admission in 2017, substantiated data, examples of implementing the objectives of the educational program, national and international events, methodological support, confirming compliance with the requirements of standards for accreditation. The description in the self-assessment report is quite complete and updated in terms of the number of residents, teachers, administration, information on selection and admission, training results, knowledge and skills assessment results, the material and technical base of the University and clinical sites, contractual obligations with partners (universities, associations, bases), financial information, development and improvement plans, etc. The report is submitted to the ECAQA in its completed form, with data adjustments based on the above recommendations, written in literate language, the wording for each standard is clear and understandable and described in accordance with

the criteria of the standards, tables and annexes contain links in the text and have continuous numbering.

3. Description of the external expert evaluation

The external expert work within the framework of the evaluation of the educational programme "Infectious diseases of adults and children" was organized in accordance with the Guidelines for the external evaluation of educational organizations and educational programmes of the ECAQA / Dates of the visit to the organization: May 15-17, 2024. The sequence of the visit over 3 days is presented in detail in Annex 3 to this report

The following methods and their results were used by the EEC members to obtain objective information:

- interviews with management and administrative staff - 33 people;
- interviews with residents - 47 people;
- study of the website - <https://muk.qmu.kz/ru/ob-universitete/>;
- interviews - 35 teachers, employers - 17, graduates - 24;
- survey of teachers, postgraduates and residents - 53, 9 and 39, respectively;
- observation of training of residents: attendance of a seminar on the topic: "Differential diagnostics of jaundice. Tactics of patient management at the outpatient level", prof. Alshinbekova G.K. review of resources in the context of fulfilling standards for accreditation: the main clinical base of practice/clinical engagement was visited, including the infectious diseases hospital of the regional clinical hospital, where training is conducted according to 3 educational programs with the participation of 7 full-time teachers/8 part-time workers;
- study of educational and methodological documents in the amount of 63 units both before the visit to the organization and during the visit to the departments (the list of documents studied is in **Annex 2**).

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

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

№	Position	Quantity
1.	Members of the Board	3
2.	Heads of structural divisions	11
3.	School deans	2
4.	Heads of educational programmes	11
5.	Members of the Academic Committee of the Senate, the School Quality Assurance Commission for educational programmes (Master's programme, residency)	6
6.	Teachers	35
7.	Students	47
8.	Employers	17
9.	Graduates	24
	Total	156

On the last day of the visit to the organization, a meeting of the EEC members was held on the results of the external evaluation. A final discussion of the results of the external evaluation of the educational program, examination of documents, results of interviews, conversations, and questionnaires was held. The EEC members began drafting the final report of the EEC. Generalizations of the external evaluation results were made. The experts individually filled out the "Quality Profile and Criteria for External Evaluation of the Educational Programme" Infectious

Diseases of Adults and Children" for Compliance with the ECAQA Standards for Accreditation." The EEC members made no comments. Recommendations for improving the educational programme were discussed and the chairperson, B.S. Zhanalina, held a final open vote on the recommendations for the ECAQA Accreditation Council.

Comfortable and supportive conditions were created for the work of the External Expert Commission (EEC). Free access to all necessary information and material resources was provided, which allowed the commission members to carry out their functions properly.

Particular attention was paid to the organization of working conditions in order to ensure comfort and convenience during meetings, interviews and analysis of documentation. All necessary documents and materials were provided to the EEC in a convenient format and were available in accordance with their requests.

An important aspect is the high level of the University's corporate culture, which was noted by the EEC members. Interaction with the staff and administration of the University took place on the basis of mutual respect, professionalism and openness. The commission members noted the high degree of openness of the team in providing information and answers to all questions that arose, which contributed to a deeper understanding of the situation and the effective conduct of the examination. It should be noted that favourable conditions for the EEC members were also created when visiting clinical sites. This approach on the part of the management allowed the EEC to objectively obtain all the necessary information and evaluate the activities of the University.

While conducting a survey of residents, 88.89% rated the work of the External Expert Commission on Accreditation as positive, 11.11% as satisfactory. The majority of respondents (100%) believe that it is necessary to accredit an educational organization or educational programmes.

According to 78.57% of teachers, the survey conducted by the ECAQA is useful for developing recommendations for improving key areas of activity of the accredited educational organization.

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

3. Analysis of compliance with standards for accreditation based on the results of an external evaluation of the educational programme of residency in the specialty "Infectious diseases of adults, children" of the NJSC "Medical University Karaganda"

Standard 1: MISSION AND FINAL OUTCOMES

1.1 Mission statement

During the implementation of the program activities, namely, based on the results of an interview with the first head of the organization, members of the advisory body (Academic Committee of the Senate, the School quality assurance commission by levels of education (master's degree, residency), employees of structural divisions (compliance officer, library director, director of the human resources management department, deputy director of the economics and finance department, head of the strategic development and quality management department, head of the Centre for Simulation and Educational Technologies, head of the Career Development Centre, head of the information technology department, head of the youth work department, specialist of the international cooperation department in interviews with heads of educational programs, residents and teachers, compliance with the criteria of standard 1 was established. All participants of the educational process know the mission of the educational program, took part in the formation of proposals for formulating the mission, while the mission was communicated to potential residents through the website, social networks, and information letters to medical organizations. The strategic plan of the organization for a period of 5 years was reviewed, including such areas as educational, scientific, clinical, which confirms the fulfilment of the accreditation standard and demonstrates the goals, objectives and prospects of the organization. From interviews with residents, it was established that before the start of

classes, teachers inform about the mission, work plans of the educational organization, tell where to get the necessary information about the educational programme, teachers, training bases.

During the visit to the departments of the educational organization of the NJSC "Medical University of Karaganda", the experts noted the strengths of the educational organization in relation to the accredited educational programme, including: in the NJSC "Medical University of Karaganda" there are departments that are directly related to the educational programme "Infectious diseases of adults, children", which can be noted as the best practice in education, namely, the DAA, the CSET, the library, the Career Development Centre, the IT department, the video studio, the research laboratory, the library. This conclusion was made, since during the visit these structural divisions were visited.

Department of Academic Affairs:

- Student Service Centre. Chief Specialist Zhumatova Zh.K. familiarized with the services provided to students on the "single window" principle, according to the format of service provision.

- Student contingent accounting unit. Director of the DAA Sharapiyeva S.B. told about the work of the unit, demonstrated the student's personal file.

- Registrar's office unit. Director of the DAA Sharapiyeva S.B. and the head of the digitalization department Mukhametova Ye.L. demonstrated the AIS Platonus, introduced the functions of various users (student, dean's office, teacher, registrar's office specialist, specialist of the planning and organization block of the educational process), the student card index, the results of psychometric testing. They answered questions about filling out electronic journals, the possibility of editing grades, about the student's personal account, posting syllabuses on the student portal.

- Video studio. Vice-Rector for Strategic Development and International Cooperation Ricklefs V.P. explained the principle of recording video lectures spoke about the schedule for recording Academic staff, answered the question of posting video lectures.

- Research laboratory. The visual inspection was conducted by the Director of the Institute of Life Sciences Klyuev D.A. and the head of the research laboratory Lavrinenko A.V. The departments of the laboratory were shown: chromatographic, immunological, and molecular genetics and microbiological. They familiarized themselves with the structure of the laboratory, the interaction of the laboratory with other departments of the university. They talked about the categories of students who are mainly involved in carrying out scientific research at the laboratory (master's students, doctoral students, graduate students), and how the student's scientific project is provided with the necessary consumables. They talked about the involvement of students in grant research, start-ups, and program-targeted financing.

- Library. Library Director Ya O. Amirova demonstrated the reading room and the electronic resources room, as well as the interactive room with electronic resources and electronic library systems by subscription of the university. An exhibition of publications by the university's faculty was demonstrated and the stage of formation of the book fund was described. During the inspection, the experts talked with students of the educational programmes "General Medicine" and "Medicine" - Abenova Diana Maratovna, group 2-013, Choudhary Ravi, group 5-018, Bhawani, group 3-013 on the level of comfort when preparing for classes in the dormitory, the availability of computer equipment in the reading rooms of the dormitories and the availability of Wi-Fi throughout the dormitory.

- Centre for Simulation and Educational Technologies. At the entrance to the centre, there is the necessary information for students in three languages in the form of a visual banner, QR codes for the feedback form, Instagram page, class schedule, a memo from the Centre for Simulation and Educational Technologies on the rules of student behaviour in the Centre, registration for independent work and practicing classes. **Director of the Centre for Simulation and Educational Technologies** Kemelova G.S. said that the Centre employs full-time trainers and part-time workers from among the department teachers with medical education (clinical disciplines), 1-2 year residents, 2 simulation equipment maintenance engineers, methodologists, office registrars and assistant trainers. The centre has a sub-structural unit "School of Communication Skills", which ensures the sustainable development of communication skills between a doctor and a patient, which is the result of the

Erasmus + project. The centre has standardized patients who work in the centre as a simulated patient on the basis of a contract for the provision of paid services. Students from the 1st to the 7th year and residents are trained. The centre conducts training not only based on the use of simulation technologies, but also cycles of improving pedagogical qualifications. According to the schedule of classes during the visual inspection period, the centre trained students of the specialty "Dentistry" 1004, 1007, 1012, 2007 on the topic of "Care for seriously ill patients", catheterization of the urinary bladder of men and women, gastric lavage, students of the specialty "PH" 1001 on the topic of "Technique for stopping external circulation", in the specialty "OM" 1st year 1026, 1027, 1028, 1029, 1030, 1041 on the topic of "Care for seriously ill patients", 4th year - 4015, 4016, 4033, 4034 on the topic of "Management of the postpartum period of labour; Assessment of the new-born on the Apgar scale; External obstetric examination; Reception and management of labour in breech presentation; Bimanual compression of the uterus in atonic bleeding and assessment blood loss". At the time of the visit, there were 15 groups in total. In addition, the GCE (Group Clinical Examination) exam for 5th-year GM students was completed in Block B. The 2nd stage of the Republican Olympiad among foreign students was held in Block A at 4 stations (basic CPR, trauma care, coniotomy, anaphylactic shock).

The results of the documentation study demonstrate that the mission of the organization and the mission of the educational programme "Infectious diseases of adults and children", and the educational process are built in accordance with the State Compulsory Educational Standard and current Laws and Statutory Instruments (LSI) in postgraduate education and health care.

The educational organization conducts training of residents in the following clinical bases and departments: MSE "Regional Clinical Hospital" /Regional Multidisciplinary Hospital of the Health Institution of the Kaliningrad Region (renamed from 01.02.23), Infectious Diseases Centre (Neuroinfectious box department, respiratory viral department, children's intestinal department, children's intestinal department for young children, infectious diseases department for adults, intensive care and resuscitation department, admission and diagnostic department, consultative and diagnostic room), where it provides a patient-oriented approach through effective patient-centred care from the standpoint of evidence-based medicine, including appropriate and effective measures aimed at the treatment and prevention of diseases, is the first major competency (MC1) in the EP "Infectious diseases in adults and children". The formation of this competence during the training period is carried out through the achievement of learning outcomes aimed at mastering the skills of general medical manipulations, collecting anamnesis, examining patients, identifying clinical symptoms and syndromes, making a diagnosis with differential diagnostics, providing emergency specialized medical care in life-threatening conditions, prevention, clinical examination of patients, health education work to promote a healthy lifestyle and the use of modern methods of treating infectious diseases, which are reflected in the EP "Infectious diseases of adults and children". The educational organization pays due attention to the safety and autonomy of patients, paying attention to the social aspects of public health. When making clinical decisions on diagnostics and treatment in different clinical situations in a hospital, during outpatient appointments, night shifts, residents are instilled with skills in taking into account individual preferences, needs and wishes of patients. Residents at clinical sites are familiar with the functionality of the patient support service. In a hospital setting, residents coordinate the completion of the informed consent form for patients upon hospitalization, approved by the Order of the Ministry of Health of the Republic of Kazakhstan dated October 30, 2020 No RK MOH-175/2020 (<https://adilet.zan.kz/rus/docs/V2000021579>).

Experts have found that residents have appropriate working conditions to support their own health, since NJSC "MUK" has created favourable working conditions for high-quality education. The Clinic undertakes an unconditional obligation to ensure healthy and safe conditions when carrying out any types of work on the Clinic's premises, in connection with which all types of liability for causing harm to the life and/or health of students, employees of the Parties and third parties when carrying out any types of activities on the territory of the Clinic are assigned entirely to the Clinic", "Provision of scientific and pedagogical workers and students of the organization of higher and (or) postgraduate

medical education with personal protective equipment necessary for work in specialized departments of the university hospital."

Clinical bases carry out organizational and technical measures for the safety and labour protection of students, provide them with the personal protective equipment necessary for work. Before starting work, residents undergo training and sign a familiarization sheet on safety precautions.

Special competencies, including MC 1 - Clinical skills; MC 2 - Communications; MC 3 - Professionalism; MC 4 - Regulatory and legal knowledge; MC 5 - Research; MC 6 - Personal and professional development help the educational organization to apply innovative forms of training. This will allow residents to develop such skills and qualities aimed at expanding and deepening competencies and achieving the final learning outcomes of residents. Innovative technologies such as CBL, interdisciplinary training with discussion of clinical cases allow the resident to act as a practicing physician, a specialist physician of the corresponding profile with an interdisciplinary approach, to master MC1 "Clinical skills", MC2 "Communications", MC3 "Professionalism".

The educational organization encourages residents to strive to participate in research in the chosen specialty through participation in international scientific and practical conferences, with payment of travel, accommodation and travel expenses, during the midterm assessment in the research work section, residents receive additional points for participation in research work, and also ensures the participation of residents in such academic events as the organization of the curriculum of the specialty during the direct discussion and approval of the EP, at the level of developing the IPR and elective disciplines at meetings of the Council of the SR and PR.

Residents are regularly invited to meetings of advisory bodies and take part in the discussion of issues in the context of this specialty. Suggestions and recommendations of students are necessarily taken into account by members of the advisory bodies and are taken into account when forming the final decision of the meeting. The decisive right in approving candidates from among the residents for the School Council and the Senate is held by the employees of the SR and PR. At the same time, the determining criterion is the academic performance and active life position of the student.

1.2 Professionalism and professional autonomy

Experts have determined that the formation of professionalism includes the ability to demonstrate the qualities necessary to maintain continuous personal and professional growth, continuous improvement of patient care based on continuous self-assessment and lifelong learning, as well as commitment to the performance of professional duties, compliance with ethical principles and the use of the most effective methods to ensure a high level of safety and quality of medical care. The educational organization promotes the professional autonomy of residents by giving them the right to choose an elective discipline, a clinical base / on-site residency-practice in accordance with the WC. (Academic policy <https://muk.qmu.kz/ru/obuchayushchimsya/gid-po-obucheniyu/akademicheskaya-politika/>).

Experts have established that the educational organization fully exercises autonomy in relation to the selection of residents for accredited specialties in accordance with the Order of the Ministry of Health of the Republic of Kazakhstan dated 15.12.2020 No RK MOH-270/2020. "On approval of the rules for placing a state order, admission to training and training of medical personnel in residency" (<https://adilet.zan.kz/rus/docs/V2000021802>), educational organizations in accordance with subparagraph 6) of paragraph 2 of Article 43-1 of the Law of the Republic of Kazakhstan dated July 27, 2007 "On Education" (https://online.zakon.kz/Document/?doc_id=30118747&sub_id=43010000&pos=2034;-54#pos=2034;-54) determine the admission procedure, form, exam program and (or) a passing score of at least 75 points for applicants, taking into account the specifics of training specialties. This determines the autonomy of the university in key areas such as the selection and admission of residents. Admission of persons entering the NJSC "MUK" for educational programs in residency is carried out upon their applications on a competitive basis based on the results of the entrance exam, by placing a state educational order at the expense of the republican budget or local budget, as well as payment for

tuition at the expense of the student's own funds and other sources not prohibited by the legislation of the Republic of Kazakhstan, in accordance with the [Regulation on the residency of the NJSC "MUK"»](#).

Responsible employees demonstrated to the experts a document defining the requirements for teachers of the residency program, the regulation on the residency of the NJSC "MUK", "Regulation on clinical mentors". Employment of residents is regulated by the career development centre and the indicator is 100% for this specialty.

To verify **standard 1** a meeting was held with the head of the organization - Chairman of the Board - Rector Turmukhambetova A. A. During the conversation, the experts asked questions regarding the autonomy of the university in matters of determining the mission / vision of the university, the use of financial resources, and the development of educational programs. During the answers, the director of the organization confirmed that NJSC "MUK" has certain autonomy in the issues raised.

The relationship between the University and students is regulated by several documents, such as the "Internal Rules for Students", "Academic Policy" and the agreement for the provision of educational services, which is concluded with each student upon enrolment in residency. The agreement describes in detail the rights and responsibilities of students at the University, including the right to freely express their views, beliefs, freedom of conscience and access to information.

The University pursues a policy of representation of students and their participation in the development, management and evaluation of educational programs. This is reflected in the Academic Policy of NJSC "MUK"

According to the internal rules of the university, students have the right to express their opinion, which they can send directly to the rector's blog, post information about their activities on the university website, social networks (Facebook, Instagram, etc.), which determines freedom of expression.

At the request of medical organizations and taking into account the wishes of residents, an on-site residency is organized, the organization procedure for which is determined by the Regulation on the residency of NJSC "MUK". Residents voluntarily choose the areas of research activities, scientific and practical events (conferences, congresses, forums, etc., journals) for presenting and publishing the results of research activities.

While conducting a survey of 39 residents (on the resource <https://webanketa.com/>), out of 24 questions, a number were devoted to the quality of the educational process and educational program. It was found that 89.74% of residents would recommend studying in this educational organization to their acquaintances, friends, relatives. And 97.4% of respondents believe that the heads of the educational programme and teachers are aware of the problems of students related to training. To the question "Do you think this educational organization allows you to acquire the necessary knowledge and skills in your chosen specialty?", 97.44% of residents answered positively, 2.56% are not sure about this.

The 25 teachers surveyed (question 24 of the questionnaire) also answered that 80% are satisfied with the organization of work and the workplace in this educational organization, and 20% partially agree with this statement. The experts determined that the organization has a healthy microclimate, since the manager is quite accessible to both residents and employees, and responds promptly to requests. In the questionnaire, 92% of teachers are satisfied with the microclimate of the organization, and 8% are partially satisfied. According to 88%, in the educational organization, a teacher has the opportunity to realize himself as a professional in his specialty. For your information, a total of 25 people responded (there are 25 on staff in total), while teaching experience up to 5 years - no, up to 10 years - 16%, over 10 years - 84%.

1.3 Final learning outcomes

The final learning outcomes are defined and included in the educational programme, syllabuses. The learning outcomes of the EP "Infectious Diseases of Adults and Children" are posted in the register of the EAHE RK ([UPHE](#)) and are available to the general public, as well as to all stakeholders in the healthcare and education sector, which was developed and approved on July 13,

2022. Stakeholders are informed about the final learning outcomes of residents in the specialty "Infectious Diseases of Adults and Children" through the website <https://muk.qmu.kz/ru/obrazovatelnye-programmy/rezidentura/infektsionnye-bolezni-vzroslye-detskie/>. The experts were convinced that the professional behaviour and communication skills of residents are formed through studying the code of ethics and are reflected in the relevant document - the Code of Ethics. Teachers and residents are informed about the code of ethics. You can read the content of the code of ethics on the website of the NJSC "MUK" University <https://muk.qmu.kz/upload/medialibrary/muk-official/korporativnye-dokumenty/kodeks.pdf>.

While determining the final learning outcomes, the employees of the department of academic work took into account the previous learning outcomes in the bachelor's degree and internship, and also took into account the goals and objectives of subsequent continuous professional development in the chosen specialty. The educational organization provides training in additional and non-formal education (continuous professional development), including programs in the specialty of the accredited educational program. For example, elective disciplines have been developed and implemented on the topics: "Emergency conditions in paediatric infectology", duration - 60 hours (2 credits), "Jaundice in children in different age groups" - 60 hours (2 credits), "EDI and quarantine infections", "Biosafety and biosecurity issues" - 60 hours (2 credits), for 2-year residents.

The surveyed teachers answered that 64% are fully satisfied with the level of previous training of residents, and 32% are partially satisfied, 4% are partially dissatisfied.

The experts established a clear continuity between the final outcomes of the previous training of residents (prerequisites) and training in residency, and subsequent programs of continuous professional development. The organization has developed 60 programs of additional education, including for the specialty "Infectious diseases of adults and children". Residents are informed about this.

80% of the respondent teachers believe that students of this educational organization have a high level of knowledge and practical skills after completing the training program, and 20% partially agree with this.

1.4 Participation in the formulation of the mission and final outcomes

While developing the goals and objectives of the educational programme "Infectious diseases of adults and children", the Academic staff, employers, and students took part, which is confirmed by the document - the minutes of the meeting of the council of the SR and the QAC of the SR. When updated regulations and orders in education and healthcare are issued, the developers of the educational programme take into account all the additions and suggestions made and make appropriate changes. For example, State Compulsory Educational Standard No. 63 of July 4, 2022 changed the number of credits for the module "Infectious diseases in the polyclinic of adults, children", and also changed the name of the specialty from "Infectious diseases of adults, including children" to "Infectious diseases of adults, children".

At the same time, when talking with residents and employers, experts received a clear answer to the question "Do you participate in formulating the mission and goals of the organization, educational program?" Residents answered this question that they take an active part, and employers answered as follows that they participate and, if necessary, if there are suggestions, they voice them at advisory bodies.

Conclusions of the EEC on the criteria. Compliant with 14 standards (including 9 basic, 5 improvement standards): fully - 14, partially - 0, does not comply - 0.

Recommendations for improvement: none

Standard 2: EDUCATIONAL PROGRAMME

2.1 Framework parameters of the postgraduate medical education programme

The model of the educational programme in the specialty "Infectious diseases of adults and children" is determined on the basis of the final learning outcomes of residents, therefore it includes

the following: NJSC "MUK" has developed a model of residency graduate competencies, approved at a meeting of the Academic Committee of the School of Professional Development and Residency (minutes No. 4, dated 07.06.2019). The residency programme provides for residents to master 6 key competencies:

1. Clinical skills: Provide effective patient-centred care from the standpoint of evidence-based medicine, including appropriate and effective measures aimed at treating and preventing diseases.
2. Communications: Demonstrate interpersonal and communication skills that lead to effective information exchange and cooperation with patients, their families and health care workers, including the use of information technology.
3. Professionalism: Demonstrate commitment to the performance of professional duties, compliance with ethical principles and use the most effective methods to ensure a high level of safety and quality of medical care.
4. Regulatory knowledge: Recognize responsibility for their actions within the framework of the current regulatory framework of the healthcare system and be guided by them in their practical activities to ensure optimal medical care.
5. Research: Capable of researching and evaluating the results of treatment of their patients, evaluating and implementing treatment principles based on scientific evidence.
6. Personal and professional development: Demonstrate the qualities necessary to maintain continuous personal and professional growth, continually improving patient care based on ongoing self-assessment and lifelong learning

The final outcomes of the EP 7R01107 "Infectious diseases of adults, children" are aimed at developing a qualified specialist in the field of infectology, capable of working as an infectious disease doctor and providing specialized care at the inpatient and outpatient level.

Duration of training is 2 years. The systematicity and transparency of training is guaranteed by the fact that the methods, tools of training and assessment are implemented by informing on the university website, the AIS "Platonus", the procedure for reviewing the EP, monitoring the results of training (Academic Policy <https://muk.qmu.kz/ru/obuchayushchimsya/gid-po-obucheniyu/akademicheskaya-politika/>)

To implement the educational programme in the specialty "Infectious diseases of adults, children", the organization's documents contain educational and methodological complexes, which define the goal, take into account the integration of practical and theoretical components, and independent work. Conformity with the State Educational Standard and standard requirements, including the WC and the calendar-thematic plan, has been established.

While attending a practical lesson on the topic: "Differential diagnostics of jaundice", the volume of hours is 3, the experts received convincing data that the training is carried out according to plan, before the start of the lesson, residents answer tests, receive feedback from the teacher, have the opportunity to improve their skills in the specialty (collection of epidemiological anamnesis, examination of the patient, interpretation of the obtained laboratory and instrumental data). The organization ensures compliance with ethical aspects in the implementation of the educational program, since the experts have studied the code of business ethics of NJSC "MUK" (Annex 8 to the decision of the Board of Directors dated August 24, 2019, protocol No. 4) in an online format posted on the website of the University (<http://www.qmu.edu.kz/media/qmudoc/kodeks.pdf>) and during the interview, residents responded that they were informed about the content of this document.

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

The mentoring system, which is described in the JD of the clinical mentor, the regulation on residency, was evaluated. A total of 5 clinical mentors, whose tasks are:

1. To implement the educational programme in the area of training.
2. To participate jointly with the head of the educational programme in developing the student's individual plan and creating a catalogue of elective disciplines.

3. To assist students in planning their educational trajectory, in shaping their future professional focus and career growth.
4. To create conditions for maximum acquisition of clinical/practical skills.
5. To supervise 3 to 25 students depending on the course and level of training (IWST).
6. To introduce students to the structural divisions of the medical organization, their functions, labour protection requirements and internal work regulations of the medical organization.
7. To ensure rational organization of the student's practice, efficient use of the material and technical resources of the medical organization.
8. TO ensure patient safety measures.
9. To improve students' communication skills.
10. To conduct joint analyses of clinical cases, clubs.
11. To conduct training and monitor the work performed.
12. To summarize the results of professional adaptation of students, prepare a description based on the results of training.
13. To participate in preparation for independent examination of students and bear responsibility for its results.
14. To observe medical ethics, comply with the requirements of internal labour regulations, sanitary and epidemiological regime.

The procedure for informing residents about their rights and responsibilities is reflected in the "Residency Regulations" available for review on the University website (<https://qmu.edu.kz/ru/contents/view/314>).

The qualification obtained as a result of mastering the educational programme in the specialty "Infectious diseases of adults, children" corresponds to level 8 of the national qualification framework (ESG1.2) and has the code 7R01107.

The teachers use such methods of teaching residents as traditional (training "at the patient's bedside", clinical analysis of thematic patients, solving situational problems, discussing issues on the topic of the lesson in accordance with the thematic plan), and active teaching methods CBL, work in small groups, interdisciplinary training, the MOODLE platform, learning based on errors (TAME), multidisciplinary consultation, journal club, simulation training, including training on emergency conditions in the CSET, to improve the educational process, to achieve the final educational result, according to the Regulation on Residency. Thus, the teaching and learning methods used in the educational process are focused on active and independent learning of the resident, contributing to the formation of key competencies of the student.

The list of teaching methods is described in the syllabuses. Thanks to these methods, residents can take part in providing medical care to patients. Teachers can provide a resident with supervision of approximately 5-6 thematic patients per day and 30-40 per month. For example, residents of the educational programme in the specialty "Infectious diseases of adults, children" after completing their training can perform such manipulations as lumbar puncture, determination of meningeal signs. (Brudzinsky, Kernig, rigidity of the occipital muscles).

Experts have established that the principles of academic honesty and anti-plagiarism are fully implemented in the educational organization. This is reflected in the document "Code of Academic Integrity", which is part of the Academic Policy of NJSC "MUK", approved by the Board on 08/27/2021, protocol No. 1 with amendments and additions dated 07/14/2022, protocol No. 9.

Academic honesty is applicable at all stages of training of residents, since NJSC "MUK" has been a member of the League of Academic Integrity since 2018.

(Code of Academic Integrity <https://muk.qmu.kz/ru/obuchayushchimsya/gid-po-obucheniyyu/akademicheskaya-politika/kodeks-akademicheskoy-chestnosti/>) And anti-plagiarism is applicable when conducting final control on a discipline/module in the AIS Session (the university's own development). In case of detection of plagiarism, violation of the rules adopted at the university for citing other people's and own works, as well as other violations of academic honesty provided for by the Code of Academic Integrity, appropriate measures are taken.

Residents are trained to promptly collect informed consent from patients for any diagnostic and treatment procedures. Experts noted that the medical records contain a corresponding document signed by the patient.

Thus, by the end of the second year of study, residents will acquire the basic skills and abilities in the profession of an infectious disease doctor, which will allow them to work in such institutions as infectious disease hospitals, infectious disease offices in polyclinics, hepatology centres, and AIDS centres (ESG 1.2).

The experts did not find any violations regarding the principle of equality in postgraduate education and continuous professional development, since the educational organization complies with the Constitution of the Republic of Kazakhstan, the Law on the Languages of the Peoples of the Republic of Kazakhstan and other regulatory legal acts in the field of education and health care. For example, the department employs people, of which 87.5% (7) are women and 12.5% (1) are men.

The educational organization has a mechanism for regularly adapting teaching and learning methods to the requirements of modern science and education, as well as to the current needs of practical health care. This mechanism includes the introduction of innovative teaching methods and the use of advanced teaching technologies. Teachers collegially select teaching methods, methods, forms of organizing and conducting classes based on the educational programme and syllabus, taking into account feedback from students. The methods and forms of training used are proposed by teachers responsible for the discipline, discussed at department/School Council meetings, and QACS meetings. University teachers have the right to propose new innovative teaching methods with mandatory subsequent assessment of the effectiveness of their implementation. The introduction of new teaching methods is accompanied by the development and approval of methodological recommendations for their implementation. Teachers, QACS receive feedback on the satisfaction of students with the teaching methods used by conducting a survey (questionnaire, focus group method, etc.). Achieving learning outcomes in educational programs is carried out in the course of mastering modular disciplines, the content and learning outcomes of which are determined on the basis of a competency map.

This indicates compliance with standard 2 in terms of adapting training to the needs of residents.

2.2 Scientific method

The EP "Infectious diseases of adults, children" provides for the development of the competence "Research" (PC5). The implementation of scientific foundations and methodology of medical research in the EP is carried out on the basis of the Law of the Republic of Kazakhstan "On Science", "Development Program of the Non-Commercial Joint-Stock Company "Medical University of Karaganda" for 2019-2023" (<https://qmu.edu.kz/ru/contents/view/994>), one of the areas of which is Research Leadership. As part of the implementation of this area, a program for the development, support and promotion of university researchers is being developed and implemented through the involvement of students, interns, residents, young scientists under 35 years of age in the implementation of research programs and projects.

In the first year of study, the resident, together with the head of the EP, responsible teachers, and a clinical mentor, determines the directions and topics of scientific projects, which are reflected in the individual work plan of the resident and approved at a meeting of the department, and are consistently implemented by residents in accordance with the research design. Residents have the opportunity to be involved in scientific and technological progress implemented at the department by being included in the temporary scientific team. Thus, infectious disease residents took an active part in the work of the scientific and technological progress "COVID-19: Scientific and technological substantiation of the response system to the spread of new respiratory infections, including coronavirus infection."

In the process of performing the IWS, residents study educational and scientific literature in the university library, use electronic resources, electronic science metric databases (Scopus, PubMed, Elsevier, Cohrane library) to perform scientific work.

The formation of residents, consolidation and expansion of knowledge in the field of methodology of scientific research, clinical and epidemiological studies, statistical processing of material and evidence-based medicine, allows them to critically evaluate medical information for rational use in practical activities, to instil the skills of scientific research activities. Access provided to residents to the clinical databases of the department - the department of the infectious disease centre at the Regional Clinical Hospital, the Clinic of the Medical University, the Clinic of Professional Health of the NJSC "MUK", polyclinics of Karaganda, the ability to work with case histories, in a shared-use laboratory, access to information resources, a rich library fund, allows them to fully implement scientific projects.

During their training, residents present the results of their research activities in the form of oral and poster presentations at SSCs, scientific conferences, publications in collections of scientific congresses, and peer-reviewed journals.

The educational programme "Infectious Diseases of Adults and Children" is aimed at achieving the final learning outcome: demonstrating the ability to research and evaluate the results of treatment of their patients, evaluate and implement treatment principles based on scientific data and the principles of evidence-based medicine.

Residents actively use scientific literature, databases of evidence-based information of a scientific nature (Medline, Cochrane Library, PubMed, Google scholar, etc.) in preparation for classes on IWS, in analysing literature, international recommendations on current issues of infectious diseases, and completing assignments to solve clinical cases of patients.

While passing the specialized disciplines, practical classes are carried out on the basis of the principles of evidence-based medicine, residents study clinical protocols for the diagnosis and treatment of RK, International consensuses in infectious diseases, clinical recommendations of leading international organizations in order to implement treatment and diagnostic measures based on evidence-based medicine. Thus, during clinical analyses of supervised patients, international recommendations, clinical protocols, consensuses are discussed together with the teacher in relation to solving the problems of a specific patient.

Through the University website, you can get access to the Cochrane Library databases, where residents study international databases on evidence-based medicine, clinical protocols; scientometric databases (Scopus, Elsevier). Improvement of scientifically based practice is also implemented during practical classes using active teaching methods (CBL, interdisciplinary, project-based learning), the Department's Journal Club, the opportunity for residents to participate in scientific and practical conferences, seminars, adopting the experience of international experts in the field of infectology.

During their training, residents present the results of their research activities through presentations at scientific conferences, publications in collections of scientific congresses, and presentations. The training program for residents in the specialty "Infectious diseases of adults and children" is aimed at achieving the final learning outcome: demonstrating the ability to research and evaluate the results of treatment of their patients, evaluate and implement treatment principles based on scientific data and the principles of evidence-based medicine.

There is an opportunity to train residents who wish to study research management in more depth and continue their further education in doctoral studies.

The result of residents' research is the presentation of their research data at scientific conferences of various levels, publications; for the reporting period 2019-2024, 59 publications were published (43 publications in RSCI journals, neighbouring countries).

The share of scientific work in the assessment sheet of the portfolio in residency is 20%, the results of personal achievements - 2%, which affects the end-of-course assessment of the resident and is a mechanism for activating students in this section of the work.

During a conversation with the head of the EP, it turned out that separate hours are not allocated for scientific activities, while all scientific work is carried out jointly with the teacher, within the framework of certain disciplines. During a conversation with residents, the experts learned that they use scientific data in teaching and know the basics of evidence-based medicine. Teachers said that

they teach residents methods of critical evaluation of literature, articles and scientific data, the use of scientific developments. This form of training is organized in the form of a "journal club", which is held once a month.

While surveying residents, it was established that residents should be engaged in R&D in an educational organization, and in response to the questionnaire, 87.18% wrote that they were already engaged in R&D, 5.13% were planning to start, 5.13% were not engaged, and 2.56 were unsure about answering.

2.3 Structure, content and duration of the residency programme

The EP is implemented in accordance with the approved State Compulsory Standards, according to the order of the Ministry of Health of the Republic of Kazakhstan dated July 4, 2022 No RK MOH - 63 "On approval of state compulsory standards for levels of education in the field of health care" (<https://adilet.zan.kz/rus/docs/V2200028716>), the order of the Ministry of Health of the Republic of Kazakhstan dated January 11, 2023 No. 31672 "On approval of standard curricula for medical and pharmaceutical specialties" (<https://adilet.zan.kz/rus/docs/V2300031672>). The content and scope of the academic disciplines of the compulsory component and the elective component (elective disciplines), their relationship with the compulsory disciplines are regulated by the State Compulsory Educational Standard and the Standard of the specialty, the general structure, the list of modules/disciplines and the ratio of classroom and extracurricular work, the volume of end-of-course assessment are reflected in the EP and WC.

The duration of training in residency in the specialty "Infectious diseases of adults and children" is 2 years and includes 4200 academic hours, which is 140 credits (at the rate of 1 credit equals 30 academic hours). The EP consists of modules/disciplines of the compulsory component, as well as an elective component. The EP includes the study of specialized disciplines of the compulsory component (134 credits/4020 hours), an elective component (4 credits/120 hours), end-of-course assessment (2 credits/60 hours).

For the module Infectious diseases in hospitals for adults and children in the 1st and 2nd years of study:

- "Infectious diseases in hospitals (adults) - 1"; "Infectious diseases in hospitals (adults) - 2";
- "Children's infectious diseases in hospitals - 1"; "Children's infectious diseases in hospitals - 2";

For the module Infectious diseases in outpatient clinics for adults and children in the 1st and 2nd years of study:

- "Infectious diseases in outpatient clinics (adults) - 1"; "Infectious diseases in outpatient clinics (adults) - 2";
- "Children's infectious diseases in outpatient clinics - 1"; "Children's infectious diseases in outpatient clinics - 1" (<https://cloud.mail.ru/public/QYWP/8xmZPQpqz>).

According to the State Compulsory Educational Standard, the structure of the educational programme "Infectious Diseases of Adults and Children" is formed from various types of classroom and extracurricular work. The volume of classroom work (CW) is 20% of the volume of each discipline, IWST - 70%, IWS - 10%.

The educational programme in the specialty "Infectious Diseases of Adults and Children" gives residents the opportunity to plan and implement an individual learning path during their entire training, preparing for work in the chosen specialty. One of the determining factors for the formation of the CED are the recommendations of the clinical mentor, to update the educational programme taking into account the needs of practical healthcare.

The CED is formed according to the list of disciplines of the elective component, considered annually at a meeting of the department and approved at a meeting of the Council of the School of Work and the Department of Public Health. The elective component (4 credits) can be selected from the following disciplines: "Emergency conditions in paediatric infectology", "Visual diagnostics of infectious diseases", "Tropical medicine", "Especially dangerous and quarantine infections; Biosafety and biosecurity issues".

The list of the most common diseases and conditions subject to diagnosis and treatment, as well as the list of practical skills, manipulations and procedures to be mastered within the residency are regulated by the TC of EP in the specialty "Infectious diseases of adults, children". Practical skills of residents are consolidated when performing clinical work within the framework of the IWST, IWS at the clinical sites of the department, which ensures the integration of the learned theoretical material of the program with the practical application of the knowledge gained. The integration of theory and practice contributes to the formation of connections that ensure the integrity of the educational process.

Thus, the disciplines of the OP are logically interconnected with each other, are consistently studied by residents to form 6 core competencies of a graduate of the NJSC "MUK". While studying the disciplines of the EP, the continuity of basic medical education is ensured by the prerequisites of the disciplines. The implementation of specialized disciplines in the EP demonstrates the professional focus of the curriculum.

There are documents containing requirements for the structure and content of educational programmes, including those guided by the basic principles of constructing educational programmes:

- 1) student-oriented approach;
- 2) competence-based approach;
- 3) result-oriented approach to the design and implementation of the educational programme;
- 4) modular structure of educational programmes with "horizontal" or "vertical" integration of disciplines;
- 5) the principle of spiral (vertical) construction of curricula and programs based on clinical cases and tasks;
- 6) science-oriented training. The head of the educational programme and the Academic staff involved in the implementation of the EP are responsible for the selection and implementation of innovations in the educational process.

The content of the work programs and the catalogue of elective disciplines reflect the needs of the healthcare system, as well as the specifics of research and development and scientific achievements of teachers. For the successful implementation of the educational programme in the specialty "Infectious diseases of adults and children", the organization has resources for organizing the assessment of the practical skills of residents, these are patients at the clinical site, as well as the resources of the Centralized Social and Occupational Therapy Centre for the development of practical skills, such as lumbar puncture, determination of meningeal signs and provision of assistance in emergency conditions for infectious diseases.

No difficulties arose during the planning, development and approval of educational programmes. Experts have established that the educational programme takes into account the requirements of the legislation, including with respect to residents.

The organization of education guarantees the adjustment of the structure, content and duration of the educational programme in the event of any changes in various sciences, demographics, as well as in response to the needs of the healthcare system. *Teachers provide residents with methodological and didactic materials, additional literature to prepare for classes, in which 94.87% are completely satisfied, 5.13% are partially satisfied, 0% are not satisfied.*

The organization has its own clinical base with 195 beds and corresponding outpatient visits. To the question of the questionnaire "Is there sufficient time for practical training (patient supervision, etc.)", 97.44% of residents answered with complete agreement, 2.56% partially agree. At the same time, 92.3% of residents claim that after the end of classes, the teacher provides feedback (listens to your opinion, conducts a mini-questionnaire, and works on mistakes).

At the same time, to the question "Do residents' representatives participate in the development of educational programmes?", the experts received the following answer that they are members of advisory bodies and actively participate in the development of educational programmes.

The surveyed residents are completely satisfied with the schedule of classes (89,74%).

2.4 Organization of training and the relationship between postgraduate medical education and the provision of medical care

The organization of the educational process of residents at clinical sites is regulated by the "Academic Policy of the NJSC "MUK", "Regulations on the residency of the NJSC "MUK".

The vice-rector responsible for the educational activities of the residency is the vice-rector for scientific and clinical work. The departments of the NJSC "MUK, headed by the head of the department, determine the clinical sites where the resident will be able to get maximum access to patients according to his profile of the educational programme of the residency with the conclusion of an agreement on joint activities of the NJSC "MUK with the clinical site. Agreements with clinical sites are updated annually [to implement the EP of the residency](#) in accordance with its profile.

According to the Order of the Minister of Health of the Republic of Kazakhstan dated December 21, 2020 No RK MOH-304/2020, "On approval of the provisions on the clinical base, clinic of the organization of education in the field of health care, university hospital, residency base, integrated academic medical centre and the requirements imposed on them"; State Compulsory Educational Standard, the clinical base for training a resident is determined in accordance with the discipline of the EP studied by the resident. The choice of the clinical base is based on the availability of the necessary clinical environment for mastering in accordance with the program of clinical / practical skills.

The clinical base for training a resident is determined in accordance with the discipline of the EP studied by the resident. The choice of the clinical base is based on the availability of the necessary clinical environment for mastering in accordance with the program of clinical / practical skills. Thus, in disciplines requiring the clinical environment of the inpatient stage, training is conducted in the specialized departments of the infectious diseases centre of the MSE "Regional Clinical Hospital" and at the polyclinic level in the CDC of the Clinic of Professional Health of the NJSC "MUK" and the CDC of the infectious diseases centre of the Regional Clinical Hospital. There is an agreement with the clinical base; it is available for the educational process.

The management of the educational process, reflected in the self-assessment report (**Standard 2**) and general approaches to management were confirmed during a visit to the infectious diseases centre of the MSE "Regional Clinical Hospital" and a conversation with the head of the EP Alshinbekova G.K. and employees. At the same time, verification of **standard 2** showed that for the discipline "Infectious diseases of adults, children in the polyclinic", practical classes and IWST are conducted in the specialized departments of the infectious diseases centre of the MSE "Regional Clinical Hospital".

The experts got acquainted with the work of the departments, including the following departments: admission and diagnostic, children's intestinal infections department, resuscitation and intensive care department, a total of 3 meetings were held and during cross-interviews with clinical mentors: Satvaldinova D.N., head of the admission and diagnostic department, Kustova Zh.A., head of the intestinal department for young children, Saramanova A.S., head of the resuscitation and intensive care department. It was established that residents take an active part in the work of the hospital, examine patients, draw up medical histories, prescribe laboratory and instrumental studies, treatment at the level of the admission and diagnostic department, and also in the departments they participate daily in morning rounds, consultations, substantiate clinical diagnoses, maintain documentation, fill out medical histories, extracts, recommendations in dynamics under the guidance of clinical mentors.

Thus, the responsibility for choosing the base for clinical training and practice of a resident in the specialty "Infectious diseases of adults and children" is assigned to the head of the department and the head of the educational program. The experts analysed the information on the accreditation of clinical sites and concluded that the clinical sites are accredited (A certificate of accreditation of the regional clinical hospital was presented. Date of issue of the certificate is 11/29/2023 for 3 years).

The training of residents in the specialty "Infectious diseases of adults and children" is aimed at meeting the needs of practical healthcare, but no shortage of specialists was identified for 2023. Therefore, this organization is specialized in the field of training infectious disease doctors, and provides a lot of opportunities and conditions for qualified training of specialists in residency. Thus, during a conversation with the organization's management, experts received information that residents

actively help supervise patients, participate in consultations, maintain accounting and reporting documentation, fill out case histories under the guidance of clinical mentors, and teachers confirmed that residents are trained directly in the clinical departments:

Department 1 (infectious disease department for adults) - 50 beds

Department 2 (respiratory viral infections department) - 55 beds

Department 3 (children's intestinal infections department) - 30 beds

Department 4 (neuroinfection box department) - 25 beds

Department 5 (children's intestinal infections department for young children) - 30 beds

Department 6 (intensive care department) - 6 beds

Admission and diagnostic department. Residents of this specialty can supervise patients with diseases such as intestinal infection, zoonotic infections, infections of the outer skin, herpesvirus infections, etc.

This is facilitated by mentoring, which is carried out in the organization.

While visiting a practical lesson on the topic of "Differential diagnostics of jaundice; Tactics of managing patients at the outpatient level", lasting 3 hours and talking with residents, experts saw that the organization promotes the development of practical competencies of residents, including on simulation equipment. At the same time, residents deepen their theoretical knowledge, develop communication skills.

Integration between training and the provision of medical care (training in the workplace) is carried out by supervising patients in departments, participating in consultations, and participating in night shifts at the hospital. Training is carried out in accordance with clinical protocols.

Of the 39 residents surveyed, 89.74% responded that teachers use active and interactive teaching methods in classes quite often, 7.69% believe that they rarely or sometimes.

The following employees took part in planning, discussing, approving and reviewing the educational programme in the specialty "Infectious diseases of adults and children": Tabriz N.S. Head of Department, Head of the educational programme Alshinbekova G.K., Kim A.A., Devdariani H.G., Sarsekeyeva N.E.

Conclusions of the EEC on the criteria. Of 22 standards that comply (including 19 basic, 3 improvement standards): fully - 20, partially - 2, does not comply - 0.

Recommendations for improvement:

1. To expand the catalogue of elective disciplines, taking into account the need to ensure competence in the scientific foundations and methodology of medical research for the scientific activities of residents. Standard 2.2.
2. To expand the clinical base for mastering the discipline "Infectious diseases of adults, children in the clinic" in the specialty "Infectious diseases of adults, children". Standard 2.4.

Standard 3: ASSESSMENT OF RESIDENTS

3.1 Assessment methods

The policies and procedures for assessing the academic achievements of residents at NJSC "MUK" are carried out in accordance with the set goals and learning outcomes for the implementation of the EP and the assigned qualifications within the framework of the current rating system and control of the educational process, in accordance with directive, regulatory and internal documents:

1) Law of the Republic of Kazakhstan No. 319-III "On Education" dated July 27, 2007;

2) Order of the Minister of Education and Science of the Republic of Kazakhstan dated October 31, 2018 No. 600 "Model Rules for Admission to Study in Educational Organizations Implementing Higher Education Programs";

3) Order of the Minister of Health of the Republic of Kazakhstan dated December 15, 2020 No. RK MOH-270/2020 "On Approval of the Rules for Placing a State Order, Admission to Study and Training of Medical Personnel in Residency";

4) By order of the Minister of Health of the Republic of Kazakhstan dated July 4, 2022 No RK MOH–63. "On approval of state mandatory standards for levels of education in the field of health care"

5) By order of the Minister of Education and Science of the Republic of Kazakhstan dated April 20, 2011 No. 152. "On approval of the Rules for organizing the educational process using credit technology of education";

6) By order of the Minister of Health of the Republic of Kazakhstan dated December 11, 2020 No RK MOH–249/2020 "On approval of the rules for assessing the knowledge and skills of students, assessing the professional readiness of graduates of educational programs in the field of health care and specialists in the field of health care";

7) "Residency Regulations of NJSC "MUK", approved by the decision of the Board dated August 23, 2022, protocol No. 18 (Annex 2).

8) "Academic Policy of NJSC "MUK".

9) Order of the Minister of Health of the Republic of Kazakhstan dated January 25, 2024 No. 46. "On approval of professional standards in the field of health care" (<https://cloud.mail.ru/public/QYWp/8xmZPQpqqz>).

A comprehensive assessment of the academic achievements of residents at the university is regulated by the "Rules of the rating system for assessing student performance" (section 5-7 of the Academic Policy of NJSC "MUK"), compliance with which is mandatory for all students and structural divisions of the university - participants in the educational process.

The study of control and measuring tools (480 tests (in Russian and Kazakh languages), 16 tasks (in Russian and Kazakh languages) showed that the organization has implemented an appropriate assessment policy that allows for a comprehensive assessment of the academic achievements of residents. During the interview, residents talked about the forms of assessment, for example, current control, midterm and end-of-course assessment, and that they are satisfied with everything. They also receive regular feedback from teachers. The system of appealing the assessment results is reflected in the Academic Policy document and there have been no precedents of appeal during the period of operation of the educational organization. The assessment covers not only knowledge and skills, but also professional behaviour and communication skills, which is confirmed by the following: assessment sheets.

Current monitoring of residents' academic performance is carried out for the purpose of formative, systematic assessment and implies monitoring of knowledge, skills and abilities in classroom (practical) classes, completing assignments within the framework of the IWST and IWS. The curriculum of the discipline defines various types of current monitoring of students' academic performance: oral survey, written control, tests, comprehensive control, case studies, homework presentations, assessment at the "workplace", mastering practical skills in, assessment of assignments on the Moodle platform, etc.

Residents' scientific activity is assessed during the academic year, according to the assessment sheet, in which fragments of scientific work are assessed, as well as during the midterm assessment during the portfolio defence. In the portfolio assessment sheet, 20% of the total final assessment is allocated for assessing scientific work (publications in Web of Science, Scopus, Publications in the Russian Science Citation Index, CCES, prizes in scientific conferences, competitions, Olympiads).

Current monitoring of students' academic performance is carried out for each task completed by the resident (an integrated task that includes all types of academic work (classroom and extracurricular), including mastering practical skills using simulation technologies, patient care, shifts at clinical sites, including night shifts, etc.). The policy for assigning grades for the task, indicating its components, content, criteria and terms for assessing assignments in disciplines are reflected in the syllabus.

While determining and implementing new assessment methods, responsibility is distributed between the department and the Council of the School of Research and Public Affairs, Department of Education and Science. Thus, since 2020, a written exam has been introduced on the session.kgmu.kz platform, based on solving clinical cases with a check of the resident's written response for originality,

as well as with coding of residents' work, ensuring the objectivity of the assessment. In the 2021-2022 academic year, a new form of portfolio assessment sheet was introduced during its defence. Students and representatives of practical healthcare have the opportunity to participate in the implementation of new assessment methods during a direct discussion of the latter's approval at the level of the Council of the School of Applied Sciences and the Ministry of Health, which includes residents and employers (<https://cloud.mail.ru/public/QYWp/8xmZPQpqqz>).

End-of-course assessment and midterm certification of residents at NJSC "MUK" is carried out in accordance with the academic calendar, WC and syllabi. The WC provides a list of disciplines and the form of end-of-course assessment during the academic period.

The criteria for admission to the end-of-course assessment are positive grades in the final exams of modules/disciplines in the specialty. This is documented in the residency regulations, Academic Policy. Students who have completed the educational process in accordance with the requirements of the working curriculum and the EP, completed a research project, and scored at least 70 points in self-assessment conducted by the National Centre for Independent Examination (hereinafter referred to as NCIE) are admitted to the final certification.

Validation and assessment of the reliability of resident assessment methods (tests, tasks, cases) is carried out as follows: the teacher's assessment of the student's academic achievements at NJSC "MUK" is carried out according to the distribution curve of the grades given by him in accordance with the normal distribution (Bell Curve) in accordance with the approved criteria for assessing learning outcomes based on the general principles of the League of Academic Integrity (<https://adaldyq.kz/documents>).

The educational organization has a practice of involving external examiners in assessing residents, which is documented in the order on final certification, and is also available in the minutes No. 14 of 09.11.2023 of the meeting of the Council of the SD&ID. This ensures the independence and objectivity of the assessment results.

Thus, to verify the data of **standard 3**, the experts asked questions to the dean of the SD&ID Tashkenbaeva V.B. checked the documents and methods for assessing residents.

The organization has CIS (tests, clinical tasks) in the amount of tests - 480, tasks - 16, which are compiled by the teaching staff and approved at the meeting of the SD&ID. CIS EP in the form of test tasks for the second year of students after completing the module / disciplines and clinical tasks for the 1st year of study. Test tasks for the module "Infectious diseases in hospital adults, children" - 250 in Kazakh and Russian, for the module "Infectious diseases in the clinic adults, children" - 230 tests in 2 languages.

For the first year, the clinical tasks of the written exam on the platform for the module "Infectious diseases in hospitals for adults and children" - 9, and for the module "Infectious diseases in the polyclinic for adults and children" - 8 tasks in 2 languages.

CIS are developed by the Academic staff of the department, approved at a meeting of the departments, changes and additions to the CIS. CIS of EP was reviewed by the deputy director of the medical centre "Sanad" Kozhugalieva A.A. and the head of the State Infectious Diseases Centre of Zhezkazgan, the chief freelance infectious disease specialist of the Ulytau region Makanova Zh.Sh.

Head of the EP Alshinbekova G.K. Answered that additions and updates to the control and measuring tools are carried out every semester by 30%. The results of the assessment of residents are documented in the DAA statement.

The appeal is carried out in accordance with the "Policy for the admission of students to the NJSC "MUK". To consider applications from persons who disagree with the results of the entrance examinations, an appeal committee is created, the composition of which is approved by the order of the chairman of the admissions committee. An application for appeal is submitted to the chairman of the appeal committee by a person entering residency. Applications are accepted until 13:00 the next day after the announcement of the results of the entrance examinations and are considered by the appeal committee within one day from the date of submission of the application. The appeal committee works with each person individually. If a person fails to appear at a meeting of the appeal committee,

his application for appeal will not be considered. While considering an application by the appeal committee, the person who filed the appeal provides an identity document. Decisions of the appeal committee are made by a majority vote of the total number of members of the committee. In the event of a tie, the vote of the chairman of the committee is decisive. The work of the appeal committee is formalized in a protocol signed by the chairman and all members of the committee.

The results of the appeal are posted on the University website (<https://qmu.edu.kz/ru/contents/view/1296>).

To date, there have been no appeals from residents.

During the visit to the organization and interview with the employee Kim A.A., Associate Professor, the committee was convinced that there is a documentation system that is transparent and accessible to all faculty and staff, and includes such documents as annual operational plans, annual reports, departmental regulations, contracts with faculty and residents, regulations on clinical mentors, and educational and methodological documentation (work program, work curricula, syllabuses, journals), assessment tools (checklists, statements), certificates and credentials. A review of the website showed that its pages contain the documents necessary for residents - the residency regulations, Academic Policy, Code of Ethics and there is information on the organization of the educational process in the residency, which is regularly updated.

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

Transparency and accessibility of assessment procedures are ensured by free access to the University's Academic Policy, which covers the Rules of the academic performance assessment rating system, as well as syllabi of disciplines/modules, exam schedules, control and measuring tools (list of final assessment questions, specification of test tasks, examples of tasks) of all interested parties - teachers, students, office registrars through the AIS "Platon", the student portal of NJSC "MUK".

3.2 Relationship between assessment and learning

The adequacy of the teacher's assessment of the student's academic achievements at NJSC "MUK" is carried out according to the distribution curve of the grades given by him in accordance with the normal distribution (Bell Curve) in accordance with the approved criteria for assessing learning outcomes based on the general principles of the League of Academic Integrity (<https://adaldyq.kz/documents>).

The main principles of assessing the knowledge and skills of residents in NJSC "MUK" are as follows:

- the relationship between the results, teaching methods and assessment
- compliance of the content of the exam materials with the EP, syllabus;
- the assessment must be objective, valid and reliable;
- use of various methods, in various situations and standardized approaches to assessment;
- timely informing of students and active involvement of residents, representatives of practical healthcare in the assessment;
- providing feedback to the student;
- assessment must be effective, useful, appropriate for the resident and improvement of the EP.

To achieve the final learning outcomes, relationships are established between competence, teaching methods and assessment. A competency-based approach, practice-oriented, allows for the focus of training and assessment on achieving specific results and makes it possible to assess the acquired competencies, and also helps students better understand what is expected of them, and employers - what this or that qualification means.

The reliability of assessing residents' knowledge in all forms of control over residency students is ensured by compliance with the order of the Ministry of Health of the Republic of Kazakhstan dated December 11, 2020 No RK MOH-249/2020 "On approval of the rules for assessing the knowledge and skills of students, assessing the professional readiness of graduates of educational programmes in

the field of health care and specialists in the field of health care", as well as internal regulatory documents: "Regulations on the residency of NJSC "MUK", "Rules for the rating system for assessing students' academic performance" of the Academic Policy of NJSC "MUK" (<https://cloud.mail.ru/public/QYWp/8xmZPQpqqz>).

While interviewing 35 teachers regarding assessment methods, experts received convincing information that the assessment methods for residents in the specialty "Infectious diseases of adults, children" are being developed and discussed with external stakeholders. Assessing the quality of teaching methods and control and measuring tools (CIS) is one of the functions of the QACS. The QACS reviews applications from students/faculty on the implementation of the EP, monitors the results of employer and student satisfaction, monitors the quality of midterm and final assessments, monitors the results of external assessments and the implementation of recommendations. The QACS also reviews cases of violation of academic integrity.

Residents also shared their opinions on the timeliness of providing tests, conducting consultations before exams, the clarity of the entire assessment procedure and its fairness. For example, residents said that, according to the schedule, consultations are held before the midterm assessment, and training test assignments are analysed.

The experts examined the resources for organizing the assessment of knowledge and practical skills, namely, conducting end-of-course assessment, and clinical examination. A clinical examination is conducted at the patient's bedside. Mastering practical skills: collecting complaints, disease history, epidemiological history, objective status, and justification of diagnosis, assignment of laboratory and instrumental studies, treatment is assessed according to assessment sheets, where the assessment criteria are prescribed.

The experts determined that the choice of resident assessment methods is based on practical skills, since the practical part of training is the main one. For example, such current assessment methods as analysis of clinical cases contribute to inter-professional training. And such a method as a mini-clinical exam demonstrates the integration of training and an emphasis on clinical skills. The established assessment methods guarantee that the resident has mastered all sections of the educational programme and acquired the necessary practical skills.

In NJSC "MUK", the registration of the entire history of residents' academic achievements is handled by the DAA (office registrar department), the departments for accounting of the contingent of students, DI and ID. The office registrar unit constantly monitors the results of the end-of-course assessment and midterm assessment of students and analyses them in accordance with the assessment table, reflecting the actual percentage distribution of absolute grades above the passing level.

After summing up the final grades at the department, the faculty announces the results to the residents with a discussion of what was done well, proposals and further activities to improve the resident's skills and abilities.

In the interview, the residents confirmed that they receive feedback after completing their training.

The 17 employers surveyed also indicated that graduates' training is in line with the modern development of medical practice and science, since practical skills are acquired on a clinical basis, together with clinical mentors they participate in consultations, clinical reviews, pathological-anatomical conferences, study the latest diagnostic and treatment data, study regulatory documents, conduct statistical processing of case histories, the results are published in journals, in conference materials in the form of abstracts, speeches at medical seminars, scientific and practical conferences. Employers said that they themselves participate in the assessment of residents, since they are included in the end-of-course assessment of residents. Employers noted that they receive annual feedback on satisfaction with the quality of the EP. Employers believe that they would like to see the strongest skills in residency graduates such as practical skills, communication skills and knowledge of regulatory documents.

There were no difficulties in developing control and measuring tools.

Conclusions of the EEC on the criteria correspond to 9 standards (including 6 basic, 3 improvement standards): fully - 9, partially - 0, does not correspond - 0.

Recommendations for improvement: none

Standard 4: RESIDENTS

4.1 Admission policy and selection

At NJSC “MUK”, students are admitted to residency based on the Academic Policy of NJSC “MUK”, section "Admission rules, student progress, certification", which is revised annually (<https://www.qmu.edu.kz/media/qmudoc/AcademPolitika.pdf>).

Persons who have mastered higher education programs and internships are admitted to residency. Persons entering NJSC “MUK” for educational programmes in residency are admitted based on their applications on a competitive basis based on the results of the entrance exam. During the period of entrance examinations to residency, examination and appeal commissions are created for specialties (<https://qmu.edu.kz/ru/contents/list/1610>)

The department's Academic staff conducts career guidance work among bachelor's students, interns, practical health care specialists and the medical community on the benefits of admission to residency educational programs. Every year, career guidance meetings with interns are organized jointly with the School of Medicine. A Job Fair is regularly held so that students can plan their future professional activities (<https://fb.watch/pUixrbBNLP/?mibextid=Nif5oz>).

In NJSC “MUK”, the procedure for admitting citizens to residency is established by the order of the Ministry of Education and Science of the Republic of Kazakhstan dated October 31, 2018 No. 600 “On approval of the standard rules for admission to training in educational organizations implementing educational programs of higher and postgraduate education” (<https://adilet.zan.kz/rus/docs/V1800017650>), by the order of the Ministry of Health of the Republic of Kazakhstan “On approval of the rules for placing a state order, admission to training and training of medical personnel in residency” dated December 15, 2020 No RK MOH-270/2020 (<https://adilet.zan.kz/rus/docs/V2000021802>).

The policy for admission and transfer of residents from other national or foreign universities is regulated by the order of the Ministry of Education and Science of the Republic of Kazakhstan dated October 31, 2018 No. 600 "On approval of the standard rules for admission to study in educational organizations implementing educational programs of higher and postgraduate education" (<https://adilet.zan.kz/rus/docs/V1800017650>), the order of the Ministry of Health of the Republic of Kazakhstan "On approval of the rules for placing a state order, admission to training and training of medical personnel in residency" dated December 15, 2020 No. RK MOH-270/2020 (<https://adilet.zan.kz/rus/docs/V2000021802>), AP NJSC "MUK" (<https://www.qmu.edu.kz/media/qmudoc/AcademPolitika.pdf>).

Transfer and reinstatement of residents from one university to another is carried out during vacation time. A resident is transferred or reinstated provided that the first academic period of the mastered program is fully completed, according to the individual academic year, regardless of the terms of expulsion during reinstatement. Transfer of residents studying on an educational grant to another university is carried out with the preservation of the educational grant. Transfer of medical residents from other universities to a national university or another university is carried out provided that the students pay the difference in the cost of the educational order.

Transfer of residents from one university to another is carried out using vacant educational grants or on the basis of their redistribution by an authorized body in the field of healthcare. The application of residency students for transfer is considered by the **Chairman of the Board - Rector** of the University during the summer holidays within five working days before the beginning of the next academic period. While transferring residency students, the academic difference in the disciplines of the working curricula studied by them in previous academic periods is determined. The academic difference in the disciplines of the working curricula is determined by the university based on the list of studied disciplines, their programs and volumes in academic hours, reflected in the certificate

issued to persons who have not completed their education.

While transferring a residency student from a foreign educational organization, a document on the mastered educational programs (academic certificate, transcript) is submitted, as well as a document on the completion of the previous level of education, which must undergo the notification procedure in the Republic of Kazakhstan in accordance with the established procedure, approved by the order of the Minister of Education and Science of the Republic of Kazakhstan dated January 10, 2008 No. 8 (registered in the Register of State Registration of LSI under No. 5135).

The academic difference in the disciplines of the working curriculum, not eliminated within the established period, is further taken into account as academic debt.

The appeal procedure based on the results of admission to residency is prescribed in the "Policy for Admission of Students to NJSC "MUK". There were no precedents of appeal during the reporting period.

The process of developing the policy for admission and selection of residents includes representatives of students, namely, residency.

The admission and selection policy, the number of residents are revised annually, the responsibility for this lies with the Council of the School of Residency and Professional Development (students make up 20% of the total number of Council members), the Management Board and the Board of Directors. (Stated in the Student Admission Policy).

The residency admission policy is revised periodically in accordance with the regulatory documents of the authorized body, internal decisions of NJSC "MUK", taking into account social and professional data. Thus, in 2022, additional criteria were included in the rules for admission to residency: experience in the field of healthcare, research work in the profile of the EP (Programme of the entrance examination for educational programmes of residency, approved by the Chairman of the Board Rector on 12.05.22). Comprehensive testing was introduced into the entrance examination program in 2023, including questions of biomedical and clinical sciences in the profile of the specialty.

Thus, experts have validated the data according to **standard 4**. In general, all criteria are met.

4.2 Number of residents

For the period 2019-2023, 109 residents were accepted to the educational programme in the specialty "Infectious diseases of adults and children". The educational organization analysed the need of practical healthcare for infectious disease specialists and determined that the annual admission to the educational programme in the specialty "Infectious diseases of adults and children" is 10 people. This indicator corresponds to resource capabilities. The need is taken into account at the request of the Healthcare Institution of the Karaganda region, Kostanay region (supervised region).

The number of accepted residents is constantly agreed with the relevant stakeholders, taking into account the need for medical personnel in various fields of medicine. The revision is carried out regularly, taking into account the need, the situation on the labour market. The procedure for determining the number of accepted resident doctors is regulated by the State Order of the Ministry of Health of the Republic of Kazakhstan, taking into account the possibilities of clinical, practical training, the maximum permissible workload on curators, the provision of educational, educational-methodical and scientific literature, the throughput capacity of clinical bases, as well as the material and technical resources of the University.

In order to attract applicants - internship graduates, bachelors, the Academic staff of the department carries out targeted work with all interested parties. It consists in conducting career guidance work on the profile of the EP and providing information in various ways: posting information on the university website, advertising articles in the media and social networks, holding career guidance meetings with interns.

In the 2022-2023 academic year, 10 infectious disease residents were enrolled, in 2023-2024, 11 infectious disease residents were enrolled, 10 places are planned for 2024-2025. NJSC "MUK" accept citizens in excess of the state educational order in accordance with the legislation of the

Republic of Kazakhstan in the field of education established by the central authorized body for training based on contracts with payment of tuition fees at the expense of legal entities and/or individuals

4.3 Support and consulting of residents

The University has a system of academic consulting of students taking into account the results of monitoring progress in learning. Support and consulting is carried out with the direct participation of teachers/mentors of the department where students are trained. Consulting of students on all issues of organizing the educational process for mastering compulsory and choosing elective disciplines is carried out by Schools.

The website of the University presents the rules for the entire life cycle of students: schedule, working curricula, instructions, academic rating of students, academic policy, LSI, etc.

NJSC "MUK" has created a Career Development Centre, where one of the areas of work is psychological support for students within the framework of professional activities.

The staff of the Career Development Centre and the Deans of the Schools provides consultations and support on professional orientation and career planning, including recommendations on employment issues both in the workplace and at events, in particular, job fairs.

Students have the opportunity to travel at the university's expense to other cities and countries to participate in Olympiads, competitions, forums, scientific and practical conferences and to visit various exhibitions.

Students are given the opportunity to seek advice from the student service centre at the DAA, the youth department, the career development centre, and schools. The career development centre has a specialist with a background in psychology to support students. Academic, individual support and consultations at NJSC "MUK" are structured taking into account the needs of students.

Some categories of students are provided with preferential accommodation in the dormitories of NJSC "MUK". The entrance to the academic buildings is provided with ramps.

On issues of academic support at the university, professors and teachers can usually provide time for consultations; there are schedules of work of advisers with students to explain the features of educational programs, to improve practical skills it is possible to enrol in the Centre for Simulation and Educational Technologies, where you can also receive consultations from tutors upon request. Issues on the organization of classes and the staffing of groups are decided directly by the employees of the supervising dean's office.

Students are fully provided with educational and methodological materials in both paper and electronic form. It is possible to study in comfortable reading rooms. Video lectures by teachers are available on digital platforms, enriching the educational experience of students. The Physical Health Centre and the University Student Clinic are jointly responsible for managing physical and mental health. Additional sections have been organized to promote and maintain a healthy lifestyle. In addition, the physical development program initially involves dividing students by physical capabilities into the main, preparatory, special medical group and exercise therapy group. Sports equipment is available for students living in dormitories.

The Student Clinic has a professional psychologist and psychotherapist who provide support in the field of mental health for students. Students can seek individual counselling with a psychologist or psychotherapist to discuss their concerns, emotional difficulties or issues related to mental health. The counselling process is based on the principles of confidentiality and support. It is important to note that the opportunity to seek help is also available at the initiative of the student. The University encourages students to seek psychological services on their own if necessary. This activity helps to create a supportive atmosphere where each student can receive help to maintain their mental health and successfully overcome various challenges that they may face during the educational process.

Financial support and incentives are provided to students: rector's scholarships, benefits for dormitory fees, provision of meals for orphans and children left without parental care, funding for student organizations, funding for student participation in Olympiads, scientific conferences, social events, academic mobility and internships.

The University provides students with the opportunity to receive a scholarship from the Chairman of the Board-Rector. Every year, the scholarship of the Chairman of the Board - Rector is awarded to full-time students who do not receive a scholarship, starting from the 2nd year of study, who successfully master educational programs (provided that the GPA is not lower than 3.0 for the entire period of study and who have no disciplinary sanctions for the entire period of study), who are engaged in research work, innovative, entrepreneurial, sports, cultural, creative and social activities. The scholarship of the Chairman of the Board - Rector of NJSC "MUK" is not a state one.

The University actively promotes the concept of inclusiveness and accessibility of education, aimed at creating equal opportunities and a favourable environment for all members of the educational community. There are benefits for preferential accommodation in the dormitories of NJSC "MUK" in accordance with the Regulation on the activities of dormitories provided to the following categories of persons: persons with disabilities, disabled persons and disabled people from childhood, disabled children, orphans and children left without parental care, persons whose one or both parents are disabled, young people left without parental care until adulthood, persons equated in benefits and guarantees to participants and disabled people of the Great Patriotic War, rural youth enrolled in educational programs that determine the socio-economic development of the village, as well as fellow countrymen, etc. For students experiencing difficulties with financial issues, there is an opportunity to pay in instalments upon personal application. The agreement on educational services specifies the possibility of paying for tuition in two parts. Vulnerable groups of the population receive a discount on educational services.

The digital environment is actively developing at the university. For example, all students get access to buildings using a branded bank card. Each student receives personal accounts for all digital applications necessary for successful learning. In particular, academic success is recorded in the AIS Platonus program. Other popular services for full digital well-being are also used. It is also worth noting the Student Service Center, which provides students with the opportunity to conveniently and remotely receive certificates of study, apply for admission to classes after missing them for valid and invalid reasons, and other administrative procedures. This department helps to ensure prompt service to students, improving the availability and convenience of obtaining the necessary documents. Students have the opportunity to receive complete information about available resources, news and events at the university through official pages on social networks.

The University Career Development Centre provides support and organisation for the admission of students and graduates to the labour market. Its main functions include consulting work for applicants, interaction with the Admissions Committee, assistance in the employment of graduates, interaction with employers, preparation of reports and monitoring of employment, as well as information and analytical activities and psychological and pedagogical support for students. The Centre provides applicants with information on employment prospects for each specialty and provides consulting support for choosing a career path. It actively cooperates with the Admissions Committee, ensuring effective admission of applicants and maintaining documentation on student admission. Interaction with employers includes establishing partnerships with clinics and other organisations, holding meetings and job fairs to activate contacts with employers. The Centre is also responsible for systematically monitoring the further career successes of graduates, preparing reports on employment. An effective support system in these areas contributes to increasing students' readiness for a successful career after graduation. The employment rate of graduates of the residency of the educational programme "Infectious diseases in adults and children" was 100% in 2022.

4.4 Representation of residents

The following consultative and advisory bodies operate in the educational organization: the Council of the SR&PD, the Academic Council, the Committee for Quality Assurance of the EP, in the work of which residents participate. Residents have a real opportunity to participate in the organization of the curriculum of the specialty during the direct discussion of the EP, at the level of developing the IPR (<https://cloud.mail.ru/public/7pfm/B3eGcbbkH>) and choosing elective disciplines. Representatives of residents are included in the members of the Council of the SR&PD and the Senate.

Resident doctors are regularly invited to meetings of advisory bodies and take part in the discussion of issues in the context of this specialty. Suggestions and recommendations of students are necessarily taken into account by members of the advisory bodies and are taken into account when forming the final decision of the meeting. Mechanisms for rewarding residents for their community service include: when selecting residents for academic mobility programs in universities in neighboring and far abroad countries, preference is given to residents who have scientific achievements and participate in the community activities of the university, city, or country.

4.5 Working conditions

According to the Decree of the Government of the Republic of Kazakhstan No. 799 of 10.10.2022 "Rules for the appointment, payment and amount of state scholarships" (<https://adilet.zan.kz/rus/docs/P080000116>), the Regulation on the procedure for assigning scholarships established by the President of the Republic of Kazakhstan, residents studying on the basis of an educational grant are paid state scholarships.

Based on the order of the Ministry of Health of the Republic of Kazakhstan dated 21.12.2020 No RK MOH-305 "On approval of the nomenclature of specialties and specializations in the field of health care, the nomenclature and qualification characteristics of positions of health workers" (<https://adilet.zan.kz/rus/docs/V2000021856>), residency students have the opportunity to additionally work as a resident physician under the guidance of a clinical mentor in the chosen field of medicine for 0.5 rates in medical organizations, or according to a specialist certificate received upon completion of the relevant internship. There are currently 9.5% of such residents (2).

In total, the educational organization has 3 clinical bases for training residents, and each hosts various events in which residents participate. For example, pathological conferences, city seminars for primary care doctors, scientific conferences, and analysis of clinical cases. As a rule, residents supervise 6-10 patients per day, and 30-40 people per month. Residents make thematic reports on current infectious diseases during the rise in the epidemiological season (measles, acute respiratory viral infections, flu, meningococcal infection, intestinal infections, viral hepatitis), so that doctors do not lose vigilance and alertness. They participate in health education work, including developing memos on infectious diseases in the state and Russian languages for the population

NJSC "MUK" concludes an Agreement on joint activities with clinical bases (F NJSC "MUK" 8-20/1) in accordance with the Order of the Ministry of Health of the Republic of Kazakhstan dated December 21, 2020 No RK MOH-304/2020 "On approval of the provisions on the clinical base, clinic of the organization of education in the field of health care, university hospital, residency base, integrated academic medical centre and the requirements imposed on them" (<https://adilet.zan.kz/rus/docs/V2000021848>), according to which, in order to form an effective management system by increasing transparency in the exchange of information and decisions taken, distribution of powers and responsibilities, ensuring responsibility, the management of the residency base provides stakeholders with access to information on the current procedures of the organization, determines the levels of access of personnel, including resident doctors, to confidential information.

Residents' participation in the provision of medical services does not dominate over educational services and is not excessive. The administration of clinical bases can offer additional work to residents in cases of production need in the amount of no more than 0.5 of the rate; part-time work is possible only with the consent of the resident.

While providing diagnostic and therapeutic measures carried out at clinical bases, residents work under the guidance of a clinical mentor. The main role of the mentor is to teach residents practical activities and achieve the competencies necessary for independent medical practice. Residents, under the supervision of mentors, provide inpatient care to patients, conduct outpatient and polyclinic appointments, conduct preventive measures, informational and explanatory work, participate in laboratory and instrumental research, and are on duty at the clinical bases of NJSC "MUK" at least four times a month.

When visiting the clinical base, experts found that residents have appropriate working conditions to support their own health, since NJSC "MUK" has created favourable working conditions

for high-quality education. The Clinic assumes an unconditional obligation to ensure healthy and safe conditions when carrying out any type of work on the basis of the Clinic, in connection with which, all types of liability for causing harm to the life and / or health of students, employees of the Parties and third parties when carrying out any type of activity on the territory of the Clinic, are assigned entirely to the Clinic", "Provision of scientific and pedagogical workers and students of the organization of higher and (or) postgraduate medical education with personal protective equipment necessary for work in specialized departments of the university hospital."

Clinical bases carry out organizational and technical measures for the safety and labour protection of students provide them with the personal protective equipment necessary for work. Before starting work, residents undergo training and sign a familiarization sheet on safety precautions.

Residents due to illness, lasting from 6 to 12 months, based on the conclusion of the medical advisory commission at the hospital or outpatient and polyclinic organization (hereinafter - CMAC) according to form No. 026 / u, approved by the order of the Ministry of Health of the Republic of Kazakhstan, in case of conscription for military service based on a summons for conscription for military service in the form according to the Rules for military registration of persons liable for military service and conscripts; for childbirth and childcare until the child reaches the age of three years based on a birth certificate. To apply for an academic leave, the student submits to the Digitalization Department an application addressed to the Chairman of the Board-Rector, the original and a copy of the document that is the basis for granting an academic leave (a conclusion of the Central Military Commission, or a summons for military service, or a birth certificate).

Upon returning from academic leave, the student continues his/her studies under the same educational program, from the same year (and academic period) from which he/she applied for this leave.

There were no infectious disease residents who needed training under an individual program at NJSC "MUK". Nevertheless, if necessary, students under an individual program have enough tools to complete a full training program and ensure the required quality of training. One of the elements of training can be the experience of effectively organizing the distance learning process at NJSC "MUK", acquired in the context of the COVID-19 pandemic.

Since 2020, due to the onset of the COVID-19 coronavirus pandemic and the introduction of quarantine and restrictive measures in the Republic of Kazakhstan, adjustments were made to the organization of the educational process at NJSC "MUK". Effective distance learning programs "Zoom", "Teams", "Webex" have been introduced into the educational process. While analysing the topics of classes, the teaching staff has done a lot of work to transform traditional forms of teaching into an electronic learning format: the virtual board "Padlet", work in online rooms, Google survey and other innovative technologies.

This is enshrined in the document - Academic Policy <https://muk.qmu.kz/ru/obuchayushchimsya/gid-po-obucheniyu/akademicheskaya-politika/organizatsiya-uchebnogo-protssessa/>

Conclusions of the EEC on the criteria. Comply with 20 standards (including 14 basic, 6 improvement standards): fully - 20, partially - 0, does not comply - 0.

Recommendations for improvement: no

Standard 5: TEACHERS

5.1 Recruitment and selection policy

The NJSC "MUK" has developed, approved and implemented [the university's personnel policy, rules for the admission of employees upon employment, the Rules for competitive replacement of vacant positions,](#) to maintain the optimal level of the numerical and qualitative composition of employees, their professional and social development to ensure high quality of the educational process and training in residency of competitive specialists taking into account the needs of the labour market. The above-mentioned regulatory documents are regulated by the Labour Code of the Republic of Kazakhstan (<https://adilet.zan.kz/rus/docs/K1500000414>), the Law of the Republic of Kazakhstan "On

Education"

(https://online.zakon.kz/Document/?doc_id=30118747&doc_id2=30118747#activate_doc=2&pos=66;-98&pos2=2381;-98) and the order of the Ministry of Education and Science of the Republic of Kazakhstan dated July 13, 2009 No. 338 "On approval of standard qualification characteristics of positions of teaching staff and persons equivalent to them" (<https://adilet.zan.kz/rus/docs/V090005750>). The regulatory documents establishing the guarantee of labour rights and freedoms of employees, the creation of favourable working conditions for them are the collective and labour agreements.

Information about vacant positions is posted on Internet resources, including recruiting portals, the website and portal of the university, which allows both university employees and third-party applicants to participate in the competition. The search and selection of highly qualified specialists is carried out on the basis of submitted resumes and interviews. The decision to hire employees is made collegially by a commission for interviewing candidates for employment. The commission considers the candidate's compliance with the stated requirements; the commission's decision is formalized in a protocol. The main requirements for selecting a candidate for a position are education in the required profile, the level of professional training, as well as compliance with qualification requirements. Qualification requirements are approved taking into account the current legislation of the Republic of Kazakhstan - the Law of the Republic of Kazakhstan "On Education" and the order of the Ministry of Education and Science of the Republic of Kazakhstan dated July 13, 2009 No. 338 "On approval of standard qualification characteristics of positions of teaching staff and persons equivalent to them", on the basis of which the university developed the Regulation on the Residency of the NJSC "MUK".

The DHRM analyses the compliance of the professional competence and competencies of employees with the requirements of the position held in the form of an independent evaluation of the competencies of the Academic staff. The university has also implemented a system for managing the effectiveness of employees (SME), a competition "Best in the Profession" for teachers of the NJSC "MUK", a survey of students "Teacher through the Eyes of Students" to assess the achievements of teachers of the residency program.

According to the Regulations on Residency, training is carried out under the guidance of the Academic staff and a clinical mentor. Classes in the residency are conducted by persons with an academic degree of Doctor of Science or Candidate of Sciences, an academic degree of Doctor of Science PhD, as well as doctors with a certificate and at least 5 years of experience who correspond to the profile of the discipline taught. The clinical mentor is appointed by order of the Chairman of the Board - Rector from among qualified specialists in practical health care working at the residency bases, who have a certificate and at least 5 years of experience in the relevant specialty.

The University implements its personnel policy in such a way that the profile of the teaching staff strictly corresponds to the range and balance of teaching skills, which is achieved by constant monitoring and regulation of the ratio of teaching staff teaching basic and clinical disciplines based on the needs for the effective implementation of educational programs, as well as based on the total volume of teaching load based on the Order of the Minister of Education and Science of the Republic of Kazakhstan dated October 31, 2018 No. 606: "On approval of the average ratio of the number of students to teachers for calculating the total number of Academic staff of higher and (or) postgraduate education organizations, with the exception of military, special educational institutions, educational organizations in the field of culture" (<https://adilet.zan.k/rus/docs/V2000020928>).

The personnel policy, the development plan for mentors and teachers are regulated by laws and orders of the Ministry of Health and the Ministry of Education of the Republic of Kazakhstan. Due to their periodic changes and additions, as well as based on changing needs in postgraduate education, the DHRM makes changes and additions to the regulatory documents of the university.

To adapt the policy of recruitment and development of faculty and clinical mentors in residency, a regular assessment of needs in the field of healthcare is carried out, through a periodic analysis of the degree of satisfaction of employers and students, as well as actively cooperating with representatives of the medical community, employers and graduates.

Faculty are actively involved by the Ministry of Health of the Republic of Kazakhstan as experts in the development of clinical protocols and independent examinations.

The university's recruitment practices are improved by training graduates in residency, master's and doctoral programs for the further human resources of the departments.

The distribution of the Academic staff by discipline categories directly corresponds to the number of allocated academic hours and rates for the specialty approved for each discipline. The number of teaching staff is calculated based on the average ratio of students and teachers (the average number of students per teacher) of 3:1, respectively. When forming working curricula and calculating hours, labour intensity is taken into account and a balance is achieved in the ratio of teachers and residents.

There are 15 employees in total, including 7 full-time teachers and 8 part-time teachers. The requirements for teachers of the residency program take into account the academic degree of a doctor or candidate of sciences, the academic degree of a PhD doctor, as well as a specialist certificate and at least 5 years of experience that correspond to the profile of the taught discipline. The clinical mentor is appointed by the order of the Chairman of the Board - Rector from among qualified specialists in practical healthcare working at the residency bases, having a certificate and at least 5 years of experience in the relevant specialty.

The degree rate is 59%, the highest category is held by 13 people (86.6%), the first - 2 (13.4%). The training of residents in the specialty "Infectious diseases of adults, children" is carried out by the following employees: Professor Alshinbekova G.K., Professor Kim A.A., Associate Professors Devdariani H.G. and Sarsekeyeva N.Ye., Assistants Professors Nasakaeva G.Ye., Dyusembayeva A.Ye., Zolotareva O.A.) and 8 clinical mentors based on the infectious diseases hospital of the respiratory viral infection department, the infectious diseases department for adults, the neuroinfectious boxed department, the intestinal infections department for young children, the children's intestinal infections department.

The experts familiarized themselves with the job descriptions of employees and the regulations on clinical mentors.

The experts familiarized themselves with the personnel policy of NJSC "MUK" dated 11.01.2021, the Regulation on mentors, [the rules for hiring employees upon employment, the Rules for competitive replacement of vacant positions](#). The ratio of teachers to residents is 1:5.

The personnel policy pursued by the university guarantees recognition of all types of activities of full-time Academic staff in the form of incentives. The motivation system for teachers and clinical mentors includes the following: incentives, bonuses, rewards. For achievements in professional activities, employees are awarded certificates of honour, letters of thanks, medals and awards. Information on the results of work assessment and recognition of achievements in all types of activities is presented at meetings of the Senate, on the university website.

During the COVID-19 coronavirus pandemic, the employees of the Department of Infectious Diseases and Phthiology made a great contribution to practical healthcare: Alshinbekova G.K., Kim A.A., Zhunusov Ye.S., Devdariani H.G. and others. They were recognized with gratitude from the Akim of the Karaganda region, from the Minister of Health of the Republic of Kazakhstan, with the badges "For Contribution to the Development of Healthcare" from the Ministry of Health of the Republic of Kazakhstan, "For Contribution to the Development of Healthcare" from the Ministry of Health of the Republic of Kazakhstan.

According to the Regulation on Remuneration of NJSC "MUK" (approved by the **Chairman of the Board - Rector** of NJSC "MUK" dated 08/16/2021), additional payments are made to the authors' team for publishing an article with an impact factor of more than 1, in international peer-reviewed scientific publications (indexed in the Web of Knowledge, Scopus). Remuneration for scientific work is carried out in accordance with the Regulation on temporary research teams created in NJSC "MUK" to implement scientific and technical programs. Distribution of wages among participants of temporary research teams is carried out in accordance with the labour participation of each employee. All

university employees also have social support - sports infrastructure, preferential services in the Dental Clinic, an active trade union.

If the indicators are successfully met, the Academic staff is stimulated annually in the form of bonuses.

Additional payment for teaching classes in English to the Academic staff with an IELTS certificate (5.5 points and above) or TOEFL (525 points and above) is in the amount of 100% of the BOS (including external part-time workers (master's students, doctoral students)).

The principles of ethics and academic integrity of teachers are reflected in the document - the Code of Academic Integrity and the Code of Business Ethics. During a conversation with the teachers, they confirmed their awareness of this issue, the documents reflect the rules and responsibilities, ethical standards, values and principles, they are all familiar.

In order to verify the data of standard 5, external experts received the opinion of teachers on the personnel policy, which includes corporate values and competence of employees, the personnel policy carried out at the university is designed to strengthen the confidence of employees in the demand for their work, a fair assessment of activities to ensure the long-term economic potential of the university, the preservation and increase of its intellectual capital. The conversation with Associate Professor Devdariani H.G. included such questions as how you attract employees of clinical sites for teaching and allowed the experts to learn about the approaches to attracting employees of clinical sites for teaching (there are 8 such teachers in total), about the strategy and tactics of recruiting residents, information support of the educational program, and also to identify problems in the management and development of human resources, since most part-time workers do not know the teaching methods, but instruction on teaching methods is carried out, and part-time workers attend classes of experienced teachers, internal departmental control is carried out by full-time employees.

When surveying teachers, it was found that the majority (80%) are completely satisfied with the organization of work and the workplace in this educational organization, but 20% are partially satisfied. In this educational organization, teachers have the opportunity to engage in scientific work and publish the results of R&D - 84% completely agree, 16% partially. Satisfied with the work of the HR service (personnel) - 80% completely agree, 20% partially. Satisfied with the salary - 56% completely agree, 28% partially, more no than yes - 4%.

5.2 Commitments and development of teachers

In NJSC "MUK" for the Academic staff of the residency EP, ample opportunities for professional and personal improvement are provided: internships, seminars, an internal system of advanced training, courses in the state, English language, cooperation with foreign universities and recognized experts from near and far abroad in the specialized specialty within the framework of academic mobility programs, information and communication technologies are highly developed.

The approach to planning advanced training for teaching staff and clinical mentors is differentiated, taking into account the needs, revision and changes in state mandatory standards, teaching methods and the emergence of new technologies, the needs of practical healthcare.

The university conducts advanced training courses in specialties and pedagogical qualifications. For clinical mentors, courses are held on educational technologies in teaching clinical disciplines in the amount of 60 hours. Upon completion of advanced training, relevant supporting documents are issued, which are submitted to the department, the HR department, and also uploaded to the AIS "Platon".

Full-time employees of the department, including clinical mentors, systematically undergo advanced training according to the development plan of the educational program.

In December 2023, the university held an advanced course for trainers to improve the pedagogical qualifications of employees of a medical educational organization on the module "Effective Teacher" in the amount of 180 hours / 6 credits, within the framework of which teachers were able to improve their teaching skills. Also, from December 11 to 15, 2023, a course on "Educational Technologies in Teaching Clinical Disciplines" was held. (<https://cloud.mail.ru/public/QYWp/8xmZPQpqqz>).

University teachers have every opportunity for their continuous professional development not only within the university / country, but also abroad, according to the plan of the department and the university. Professor of the department Alshinbekova G.K. studied under the "Bolashak" program in Israel, Haifa in 2021 (<https://cloud.mail.ru/public/QYWp/8xmZPQpqz>). For the language development of the teaching staff, English and Kazakh language courses are taken..

An important factor is the involvement of teachers from universities of the Republic of Kazakhstan, near and far abroad in the educational process of NJSC "MUK" under the academic mobility program. All teaching staff and clinical mentors of this EP have undergone advanced training in their main specialty and in pedagogical competence over the past 5 years (<https://cloud.mail.ru/public/QYWp/8xmZPQpqz>).

In 2023, the university implemented the IPRP based on the AIS "Platon". The plan contains the following types of work: educational and methodological, scientific and social. The regulation on the IPRP provides for an incentive system based on the fact of fulfilment of the plan items at the end of the year. The criteria for scientific, educational, pedagogical and clinical achievements are reflected in the IWPT, which is discussed at a meeting of the department and approved by the head of the department, indicating the volumes and timing of educational, educational, educational and methodological, social, scientific and other types of work of the teacher, in accordance with the goals and objectives of the department and the university as a whole.

The results of the work of the faculty and department are reflected in the rating assessment of the department's activities, which makes it possible to identify the strengths and weaknesses in the work of each teacher according to the IPRP, and departments as a whole. The analysis of the fulfilment of the performance indicators of the faculty of the departments is carried out by the head of the department and discussed at a meeting of the department, considered at a meeting of the Senate of the SR and PD and a meeting of the University Senate. According to the rules for certification of the faculty and research staff of the NJSC "MUK", certification is carried out in order to determine the compliance of the university's teachers and research staff with the qualification requirements imposed on the faculty and research staff of the NJSC "MUK", at least once every three years.

Based on the annual rating assessment of the department's activities, positive dynamics are noted: in 2019-2020, the fulfilment of the department's key indicators was 69%, in 2020-2021 - 67%, in the 2021-2022 rating - 75%, in 2022-2023 - 71%.

The research and innovation activities of the Department of Infectious Diseases and Phthysiology are related to the training of residents, participation in research (Research and Innovation Activities (<https://cloud.mail.ru/public/QYWp/8xmZPQpqz>), development of clinical protocols of the Ministry of Health of the Republic of Kazakhstan in the specialty "Infectious Diseases of Adults and Children", independent examinations.

The results of the research of the Academic staff over the past 5 years are presented in the form of publications in peer-reviewed journals, certificates of registration of intellectual property rights (<https://cloud.mail.ru/public/QYWp/8xmZPQpqz>). Based on the results of research for 2019-2024, the teaching staff of the department published 4 articles in publications recommended by the Committee for Quality Assurance in Education and Science of the Ministry of Health of the Republic of Kazakhstan, in peer-reviewed scientific publications Scopus-2, "Medicine and ecology" (University journal) - 4. Teachers: Professor Alshinbekova G.K., Professor Kim A.A., Associate Professors Devdariani H.G. and Sarsekeyeva N.Ye. annually actively participate and present reports at scientific and practical conferences at the city, republican and international levels (Congress of Infection Specialists, organized by the LEA Society of Infection Specialists, Euro-Asian Congress of Infection Specialists, organized by the Euro-Asian Society of Infectious Diseases).

In order to verify the data of standard 5, at a meeting with the head of the HR department and during interviews with teachers, experts obtained an opinion on approaches to the development of pedagogical competence of teachers, motivation to work with residents, mentoring, which includes additional training in educational technologies, opportunities for participation in scientific and

practical work, as well as joint publications with teaching staff and residents, participation in scientific and practical conferences.

The experts determined that the teachers and residents have enough time for teaching, mentoring and training. The work schedule of the teaching staff is presented by the head of the OP. Working hours: for 1.0 rate from 8.00 to 15.42 hours. Teachers conduct daily seminars lasting 3 hours. Time for clinical reviews, clinical rounds is from 08.00 to 17.00 hours. Duty is 4 times a month.

The salary fund of teachers consists of a salary, which is a permanent part of wages and other additional payments and allowances, which are a variable part. Salaries are established on the basis of the staffing table by the decision of the board of NJSC "MUK".

Mentors are financed in accordance with the regulation on remuneration of NJSC "MUK" (minutes No. 25 dated 11/17/2023).

Experts have found that teachers initiate research topics for residents stimulate the need for additional training and independent work with literature, medical documentation in KIIS. From a conversation with residents, information was obtained that infectious disease residents actively use platforms such as PubMed and UpToDate in scientific and clinical aspects.

In the educational organization, there is an opportunity for career growth and development of teacher competencies - 84% of the surveyed teachers answered, and 16% partially agree with this. Studied in professional development programs - 84% during the current year, 16% more than 3 years ago.

The organization implements social support programs for teachers - 64% answered that "yes, such programs exist", 4% "I have already used this", 4% of respondents answered that they doubt, and 28% of respondents do not know about it.

Conclusions of the EEC on the criteria. Compliant with 8 standards (including 7 basic, 1 Standard of improvement): fully - 8, partially - 0, do not comply.

Recommendations for improvement: none.

Standard 6: EDUCATIONAL RESOURCES

6.1 Material and technical support and equipment

Residents are trained at clinical sites, including residents of the accredited educational programme in the specialty "Infectious diseases of adults and children" at the infectious diseases centre of the Regional Clinical Hospital. There are 195 beds in total. There are 8 classrooms, 1 conference hall for seminars and journal clubs, a library for 443 people, and a computer room for 113 people.

The experts visited the library, which provides residents and staff with access to educational and methodological literature. The library plays a leading role in providing residents with information resources. The total area of the library is 1,526 sq. m., the book storage area is 941.6 sq. m. The library includes: the acquisition and bibliography department and the scientific and educational literature service department (consists of a scientific literature subscription, two educational literature subscriptions, a reading room and a periodicals room, an electronic resources room, and an interactive room). The library's computer stock consists of 113 computers, including 88 thin clients (TC), 21 personal computers (PC) are located in the library departments, 4 PCs and 63 TCs are in the electronic resources room and 25 TCs are in the interactive room, the entire computer stock is connected to the Internet. The Wi-Fi zone is distributed throughout the library. There are 2 scanners installed for users in the electronic resources room. The interactive room is equipped with a short-focus projector. For students, there is a Research Fellow's Room equipped with 15 computers connected to the Internet, which allows access to all information resources of the University. User service in the electronic rooms is provided from Monday to Friday from 09:00 to 20:00, on Saturday from 09:00 to 18:00. The NJSC "MUK's" library has 2 information kiosks, with the help of which users can make an electronic order for the necessary literature from the electronic catalogue based on the Web-Irbis module.

To implement the educational process in the specialty "7R01107 "Infectious diseases of adults and children", the availability of primary and secondary literature is 100%. Of these, the total number

of textbooks for the period 2023-2024, including those in the Kazakh language, is 716 copies, scientific literature - 1150 copies, periodicals - 4, electronic publications - 12. Total literature on the accredited specialty on paper - 23 pcs, on electronic - 12 pcs. The main monographs in the specialty "Infectious diseases in adults and children" are the following: Yushchuk N.D., Vengerov Yu.Ya. Infectious diseases [Text]: textbook / 3rd ed., revised. and add. - M.: GEOTAR-Media, 2022. -- 704 p., Yushchuk N.D., Vengerov Yu.Ya. Infectious diseases: national guidelines [Electronic resource] / edited by N. D. Yushchuk, Yu. Ya. Vengerov. - 3rd ed., revised and enlarged. - Moscow: GEOTAR-Media, 2023. Series "National guidelines" Access mode: <https://www.rosmedlib.ru/book/ISBN9785970474815.html> and they are available in the library.

There is access to international databases:

- 1) Wiley Online Library <https://onlinelibrary.wiley.com/>
- 2) Web of Science (Clarivate) <http://csi.webofknowledge.com/CSI/exit.do?Func=Exit&SID=D5Nylp9iOfDZWQbh9TF> - a multidisciplinary electronic research platform that includes interdisciplinary and highly specialized databases. Access is provided by national subscription.
- 3) Scopus Elsevier <https://www.scopus.com/search/form.uri?display=basic> - abstract citation database. Access is provided by national subscription.
- 4) Science Direct <https://www.sciencedirect.com/>, Access is provided by national subscription.
- 5) ClinicalKey Elsevier <https://www.clinicalkey.com/> - online resource for medicine and healthcare from the publishing house Elsevier, Access is provided upon registration in the electronic library by the IP addresses of the university.
- 6) Complete Anatomy Elsevier (<https://3d4medical.com/download>- virtual anatomical atlas. Access is provided by activation code.
- 7) Osmosis <https://www.osmosis.org/login> - A learning platform that helps students learn better and remember more information visually. Access is provided by login and password.
- 8) STATdx <https://app.statdx.com> - a diagnostic resource for radiologists used in daily practice and for conducting scientific research in the field of radiology.
- 9) Cochrane Library <https://www.cochranelibrary.com/> a database of evidence-based medicine, consisting of clinical protocols, trials and studies.
- 10) Lectorio <https://qmuedu.lectorio.com/> - a new generation high-precision medicine educational platform, including content from professors of the world's leading universities. Access is provided by license codes.
- 11) Electronic library of the medical university "Student Consultant" <http://www.studmedlib.ru/>, 167 publications in the Kazakh language, 367 medical periodicals. Access is provided by activation code.
- 12) Electronic medical library "Doctor's Consultant" <http://www.rosmedlib.ru/>. "Access is provided by activation code.
- 13) Electronic library system "Lan" <https://e.lanbook.com>. Access is provided upon registration in the ELS by the IP addresses of the university. Remote access is provided upon attachment to the University.
- 14) Electronic library "Epigraph" <https://res.epigraph.kz/search/>. Access is provided upon registration in the electronic library by the IP addresses of the university. Remote access is provided by the University promo code.
- 15) Portal of multimedia textbooks "Epigraph" <https://mbook.kz/ru/index/> - provides access to 50 multimedia textbooks in the state, Russian and English languages. Access is provided upon registration in the electronic library by the IP addresses of the university. Remote access is provided by the University promo code.
- 16) Digital library "Aknurpress" <https://aknurpress.kz/login> - Access is provided upon registration in the electronic library by the IP addresses of the university. Remote access is provided by the University promo code.

17) Republican Interuniversity Electronic Library (RIEL) <http://rmebrk.kz/> Access is provided upon registration by the University's corporate email.

Users are informed by sending a newsletter to the corporate Outlook email, as well as posting information on the MUK website, the MUK Portal, the MUK Student Portal, a page on the Instagram social network and the Telegram messenger <https://t.me/muklibrary/> The MUK website has a "Library" section in 3 languages. Residents are aware of this.

Before starting the relevant discipline of the educational programme, the resident receives a syllabus from the teacher and knows what skills he should acquire and develop during the residency in the EP "Infectious diseases of adults, children".

Updating of the material and technical base, including the library background, is carried out upon request. The acquisition of various goods and materials to strengthen and update the material and technical base at the university is planned. Planning of material resources for the university is based on priorities for all types of activities. Every year, the university departments analyse their equipment, determine the need for resources, draw up an application for the purchase of medical and non-medical equipment, medicines, reagents, detergents and disinfectants, office equipment, components and other items, as well as applications for the provision of various services. Resources are also planned for the implementation of academic mobility of students and teachers within the educational process, expenses for student and teacher trips to conferences and other forums, implementation of visiting professor programs, resources for improving pedagogical and professional qualifications, for scientific internships, etc. Targeted funding is provided: under the budget program (006 "Training specialists with higher, postgraduate education and providing social support to students"), at the expense of a state educational grant, at the expense of own funds or the local executive bodies.

The heads of departments, heads of educational programs, responsible for the discipline annually review the material and technical resources for updating and replenishing the fund of basic and additional literature, the necessary educational equipment, based on the analysis of which applications are formed and submitted accordingly to the library for their subsequent acquisition. In the future, as the necessary literature is received, a map of educational and methodological support for literature on the disciplines of the educational programme is formed.

Over the past 5 years, the department has received 2 laptops and 2 projectors

The following literature has been updated from the library collection:

1. Yushchuk N.D., Vengerov Yu.Ya. Infectious diseases [Text]: textbook / 3rd ed., revised and expanded. - M.: GEOTAR-Media, 2022. - 704 p.
2. Yushchuk N.D, Klimova E.A. Infectious diseases: syndromic diagnostics [Text]: textbook / M.: GEOTAR-Media, 2020. - 176 p.
3. Pokrovsky V.V. HIV infection and AIDS: clinical guidelines / 4th ed., revised and expanded. - Moscow: GEOTAR-Media, 2020. - 160 p.
4. Yushchuk N.D., Volchkova E.V., Martynov Yu.V. Infectious diseases. Guide to practical classes [Text]: teaching aid / M.: GEOTAR-Media, 2020. - 720 p.
5. Kutykkozhanova G.G. Infectious diseases in children: diagnostics, anti-epidemic measures: teaching aid. - Almaty: Evero, 2021. - 160 p.

The library collection also contains supplements on electronic resources:

1. Zueva L.P. Epidemiology: textbook for medical and prof. faculties [Electronic resource] / edited by L.P. Zueva. - Moscow: GEOTAR-Media, 2022. Access mode: <https://www.studentlibrary.ru/book/ISBN9785970470541.html>
2. Yushchuk N.D. Infectious diseases No. 4 (35), 2020. Journal for continuous medical education of doctors. Volume 9 [Electronic resource] / Ed. - Moscow: GEOTAR-Media, 2020. Access mode: <https://www.studentlibrary.ru/book/J2022-INF-2020-04.html>
3. Yushchuk N.D., Vengerov Yu.Ya. Infectious diseases: national guidelines [Electronic resource] / edited by N.D. Yushchuk, Yu.Ya. Vengerov. - 3rd ed., revised. and additional. - Moscow: GEOTAR-Media, 2023. Series "National Guidelines" Access mode: <https://www.rosmedlib.ru/book/ISBN9785970474815.html>

4. Samsygina G.A. Acute respiratory diseases in children / Samsygina G.A. - Moscow: GEOTAR-Media, 2019. - 224 p. (Series "Library of a specialist physician") - ISBN 978-5-9704-5105-2. - Text: electronic // URL: <https://www.rosmedlib.ru/book/ISBN9785970451052.html>

5. Yushchuk, N. D. Infectious diseases: textbook / Yushchuk N. D., Vengerov Yu. Ya. - Moscow: GEOTAR-Media, 2020. - 464 p. - ISBN 978-5-9704-5504-3. - Text: electronic // EBS "Student Consultant": [website]. - URL: <https://www.studentlibrary.ru/book/ISBN9785970455043.html>

6.2 Clinical bases

NJSC "MUK" has 3 of its own clinics (University Clinic, Professional Health Clinic, and Dental Clinic) and cooperates with 60 medical organizations in Karaganda, Karaganda region and Astana. Joint work of these medical institutions with the medical university is regulated by concluded agreements on joint activities, which are updated annually by the clinical work department. Agreements on activities with the university's clinical bases are drawn up taking into account the needs of educational programs in the patient profile, the level of medical care, the availability of conditions for organizing the educational process, the safety of students, a certificate of accreditation of a medical organization, certifying the compliance of the clinical base with the standards for accreditation in the field of healthcare of the Republic of Kazakhstan.

The clinical bases used to implement the educational process of the residency specialty "Infectious diseases of adults and children" are the medical institutions of city and regional significance: MSE "Regional Clinical Hospital" (since 01.02.23 renamed to "Regional Multidisciplinary Hospital"), Clinic of the Medical University of the NJSC "MUK", MSE "Karaganda Regional Centre for the Prevention and Control of AIDS". All conditions for organizing the educational process have been created at the clinical bases of the university.

The clinical bases involved in the implementation of the EP "Infectious diseases of adults and children" include round-the-clock multidisciplinary hospitals, including infectious disease departments, including adult and children's, day hospitals, clinical and biochemical, immunological, bacteriological laboratories, centres / rooms for functional and ultrasound, radiation diagnostics, equipped with the appropriate modern equipment and the necessary conditions for training residents have been created. Residents acquire skills in providing specialized care at the outpatient level during outpatient appointments in the offices of adult/children's infectious disease doctors in the Regional Clinical Hospital, the Clinic of the Medical University of the NJSC "MUK", and the MSE "Karaganda Regional Centre for the Prevention and Control of AIDS". During the experts' visit to the clinical base, it was found that there are not enough bases for residents to acquire skills in providing specialized care at the outpatient level to study the accounting and reporting documentation, medical examination and rehabilitation of outpatients in the discipline "Infectious diseases in the clinic for adults", "Infectious diseases in the clinic for children".

A review of resources showed that they correspond to the goals and objectives of educational activities, for example, the clinical bases of the Infectious Diseases Centre of the Regional Clinical Hospital with a total bed capacity of 195 were visited, and the employees of the educational organization ensure collegial and ethical relationships with the medical staff, the management of the clinical base to achieve the final results of residents. A sufficient number of thematic patients (for example, with intestinal infection, with acute respiratory syndrome) are provided, modern equipment is demonstrated and is accessible to students, and teachers provide quality training in compliance with ethics and deontology.

During a visit to the infectious disease centre of the Regional Clinical Hospital, experts conducted a survey of resources, their compliance with training programs, accessibility for teachers and residents, how modern this equipment is and meets the needs of students and practical health care.

In order to validate the implementation of the self-assessment report data and obtain evidence of the quality of the programs, an interview was conducted with residents. The experts asked questions about satisfaction with training, sufficiency of time for patient supervision, work with medical documentation, satisfaction with teaching methods and the qualifications of teachers, social and moral support for residents in need of it, and the availability of resources of international databases of

professional literature. In general, residents are satisfied with the training, assessment methods, and purposefully entered this organization, as they believe that the educational organization has good resources, image and international connections, at the same time, residents would like more independence in the management of patients, participation in pathological conferences as experts, reviewers.

There is a simulation centre equipped with equipment, including: dummies for lumbar puncture, as well as providing assistance in emergency conditions for infectious diseases, in patients with concomitant pathology of the cardiovascular and respiratory systems. Residents of the educational programme in the specialty "Infectious diseases of adults, children" can practice practical skills: lumbar puncture, determination of meningeal signs. Providing emergency care to patients with infectious diseases, for the purpose of differential diagnosis, is also included in the training program.

Residents demonstrated their commitment to the organization of education, were active in answering questions from external experts, demonstrated their judgment on the organization of training, assessment of their skills, advisory support, the opportunity to participate in research and development, and financing. The experts studied the documents of residents (portfolio, resident assessment results-checklists, resident survey results).

6.3 Information technology

To meet the needs of residents and teachers in educational, scientific and information requests, the University provides access to the necessary web resources and electronic media (<https://cloud.mail.ru/public/QYWp/8xmZPQpqz>).

The official website of the University is a publicly available source of information on all areas of the University's activities for all interested parties. Access to other information resources of the University for University employees, teachers, and students is carried out through authorization under their account to ensure security when performing actions. All university employees have authorized access to the corporate portal <https://portal.kgmu.kz>. Teachers and all other participants in the educational process have access to the AIS Platonus. Students use the information provided in the AIS Platonus, as well as the resources of the student corporate portal <https://kgmukz.sharepoint.com/>.

Information resources on educational and scientific activities for teachers, researchers and students are provided by the library in accordance with the instructions provided on the official website of the university on the page Library - Social networks are also operational sources of information for students and university employees; the university has official accounts: <https://www.instagram.com/officialkmu/>, <https://www.facebook.com/Officialkmu/>, <https://vk.com/officialkmu>.

Since January 2022, an electronic library card based on the Wallet software has been introduced for all library users. In order to improve the rating of scientific activity and publication activity of the University by promoting its scientific works on the Internet, in 2018 the "Repository of NJSC "MUK" <http://repoz.kgmu.kz/>, was created, which is included in the global catalogue of open access repositories "Open DOAR" and in the Google Scholar search engine. In 2023, the number of publications and scientific papers posted in the "Repository of NJSC "MUK" are 624 scientific papers.

Residents confirmed that they can use these web resources and electronic media, including in preparation for classes.

In order to effectively use information and communication technologies in the educational process in the specialty "Infectious diseases of adults, children", the Microsoft Teams platform was used during the PS during the pandemic, and Webex has been used since 2022. We work remotely with residents who carry out visiting residency in the regions according to the needs of practical healthcare. The LMS Moodle platform is used to conduct the IWR with specific assignments, assessment criteria and assignment submission schedule, when conducting theoretical classes in a hybrid format with residents of the visiting residency in the 2nd year.

In connection with the transition to distance education and the need to develop telecommunications for the high-quality implementation of the educational process, the University

purchased Cisco Webex Desk Pro - a system that uses artificial intelligence to collaborate with advanced features such as Webex Assistant and facial recognition for video conferencing

Since January 2022, an electronic library card based on the Wallet software has been introduced for all library users. The electronic resources room of the NJSC “MUK” library provides access to the Internet, an electronic catalogue and an electronic library, electronic textbooks, and databases. The official website is managed by the university's public relations service, which administers the site.

Thus, information about library services and resources is presented on the website in the "Library" section (<https://www.qmu.edu.kz/ru/contents/list/1452>), information on the provision of educational services for students of additional education is in the "Professional Development" section (<https://qmu.edu.kz/ru/education>).

For the effective use of new information technologies and access to patient data and health information systems within the framework of both the educational and treatment process, residents of the specialty "Infectious diseases of adults and children" use a comprehensive medical information system (CMIS) for patient management, entering medical and diary records, generating sheets of doctor's orders, making diagnoses, issuing epicrises and prescribing laboratory and instrumental research methods, for attaching outpatient appointment reports.

Fast and efficient transfer of information in all areas of the educational trajectory is provided by the information platforms of corporate mail Outlook, Student Portal, SharePoint.

The educational programme uses such technologies as, consultations on the IWST for students are conducted remotely on the Webex electronic platform, where all MUK teachers are users and have the opportunity to hold meetings, consultations, lectures with students in real time, share content; for posting training courses. For the purpose of conducting the IWR, the LMS Moodle platform is used with specific assignments, assessment criteria and assignment submission schedule.

The library of the NJSC “MUK” provides access, including remote access, to the following educational and scientific information resources.

During the unfavourable epidemiological situation of the COVID19 pandemic, new communication and information platforms for distance learning were mastered: Microsoft Teams, Webex Cisco, Zoom, Moodle. Distance learning was carried out during the pandemic (during the quarantine period), the Microsoft Teams platform was used, since 2022 - Webex for the effective use of information and communication technologies in the educational process in residency specialties during the PS. Residents who carry out visiting residency in the regions work remotely according to the needs of practical healthcare. For the purpose of conducting the IWR, the LMS Moodle platform is used. with specific assignments, assessment criteria and assignment submission schedule.

Students from the category of persons for whom DET may be applied and who have expressed a desire to study using DET submit an application in any form addressed to the Chairman of the Board-Rector for permission to study using DET, on the basis of which an order is issued. The University provides the student with an individual curriculum and a schedule for mastering the EP, developed on the basis of the working curriculum.

While implementing educational programs or parts thereof using DET, the University:

- creates conditions for the functioning of the educational Internet portal of the information and educational environment, ensuring that students master educational programs or parts thereof in full, regardless of the location of the students;

- determines the procedure for providing educational and methodological support for the educational process, including in the form of individual consultations provided remotely using information and telecommunication technologies;

- determines the ratio of the volume of classes conducted through direct interaction between the teacher and the student, and classes using DET;

- provides students with access to the information system, which contains all educational, reference and methodological material, the testing system, electronic resources and sources;

- makes management decisions when circumstances arise that do not depend on the actions of participants in the educational process.

While teaching individuals with special educational needs using DET, the reception and transmission of information is carried out in forms accessible to them.

The structural unit responsible for organizing the educational process according to DET is the school implementing the relevant EP.

The preparation of digital educational resources is carried out by their developers in accordance with the educational programme and includes: digital educational materials, electronic educational platforms.

At the same time, the ethics documented in the code of business ethics (<https://cloud.mail.ru/public/QYWp/8xmZPQpQz>) is observed.

6.4 Clinical teams

In order to develop the residents' experience of working in a team, the educational organization holds such events as rounds, consultations, clinical case reviews, and pathological conferences. The experts studied the documentation for the pathological conference, which presents the results of the teamwork of residents in the specialty "Infectious diseases of adults and children". Inter-professional interaction is also carried out through telemedicine (TMC) with specialists of related specialties (paediatricians, obstetricians-gynaecologists, surgeons, cardiologists, neurologists, ENT doctors, clinical pharmacologists, doctors of visual and laboratory diagnostics, etc.) under the guidance of clinical mentors, the faculty of the department, as well as joint conferences with related specialties. In order to train in an interdisciplinary team with fellow residents of other specialties (therapy, paediatrics, surgery, neurology, cardiology, etc.), classes are held in the form of interdisciplinary consultations with subsequent entry of the results of the interdisciplinary consultation into the CMIS, joint meetings of the Journal Club, the School of the Young Internist.

Infectious disease residents take an active part in interdisciplinary trainings within the framework of key competencies for residents at the CSET ("Territory of Emergency Conditions"), which are held quarterly.

This year, 1st year resident Dildabekova Aigerim took part in the competition, the team took 2nd place. (Certificate and photo is in supporting documents).

This year, the European Immunization Week (EIW) is celebrated in the last week of April (April 21-27, 2024), in connection with which, together with the staff of the Department of Allergology and Immunology, an event was held, where residents of the 1st and 2nd years of study actively participated with presentations. Kraskova Anna, a 1st-year resident, with a clinical case of Whooping cough + Measles; Konkakova Diana, a 2nd-year resident, with a report on the topic: Diphtheria, clinical picture, diagnostics and treatment.

The collegiality of the residents' work is evident in their work with clinical mentors, as well as with the doctors of the department. Residents can conduct health education activities among patients and training activities among interns. For example, residents prepare memos for the population on current infectious diseases for the purpose of prevention.

In the questionnaire, residents noted that they have free access to patients at clinical sites and all the conditions for improving their practical skills - 96% of teachers completely agree with this, 4% partially agree.

6.5 Medical scientific research and achievements

At the department, research work with residents is carried out on the choice of topics by students under the guidance of teaching staff, clinical mentors on the most pressing problems. During the Covid-19 pandemic, research was carried out on this topic. Currently, work is carried out on socially significant and relevant infectious diseases (herpes infections, meningococcal infection, anthrax, vaccine-preventable infections - measles, whooping cough).

Over the past 5 years, success has been achieved in research work: there are publications of infectious disease residents in the RSCI journals, participation in international scientific and practical conferences, the Euro-Asian Congresses on Infectious Diseases, organized in the Republic of Kazakhstan and neighbouring countries (Russia in an online format), including presentations.

Residents of the 1st and 2nd years of study are involved in the implementation of scientific work (or fragments). They perform such types of work as processing medical history, filling out patient cards, writing a literature review, studying materials from foreign specialists. All information about the scientific work is included in the resident's portfolio, the structure of which is based on the Regulation on the residency of the NJSC MUK (<https://cloud.mail.ru/public/QYWp/8xmZPQpqqz>) If residents carry out scientific and practical research, they are provided with access to instrumental and laboratory equipment.

For example, in the specialty "Infectious diseases of adults and children", it is planned to conduct research work on the topic: "Clinical and epidemiological features of the course of measles in adults and children." This information was obtained during an interview with teachers Prof. Begaidarova R.Kh. and Prof. Kim A.A.

An interview with 4 teachers, including 3 full-time ones, showed that there are no problems in education management. Free access of residents to equipment, a sufficient number of subject patients, time for maintaining medical records, independent work of residents with clinical mentors create all the conditions for mastering practical skills and implementing the residency programme.

The educational programme does not have separate topics where residents study research methods in medicine, issues of diagnostic methods are included in topics on various nosologies and are listed in the calendar-thematic plan of discipline syllabuses, where the hours per topic for PS, IWST and are IWR indicated.

6.6 Expertise in the field of education

Expertise in education includes the following areas of scientific research, scientific, technical and innovative activities, ensuring the integration of scientific activities with the educational process and improving the quality of training specialists and scientific and pedagogical personnel at the University, an ethical commission for assessing scientific research and a local bioethics commission operate. Its tasks include examination of proposals and recommendations for the formation of a plan for priority scientific developments of the university; analysis and assessment of the quality of the main results of scientific research and development carried out at the university; analysis of the effectiveness of scientific research management and development of recommendations for improving the management of scientific activities at the university.

The educational organization participates in such educational projects as the Harmony project (current), the Erasmus + completed project since 2021, together with universities, research centres, etc. Greece, Great Britain, Finland, Uzbekistan.

Since the 2020-2021 academic year, the QACS was created at the SR&PD, the main function of which is to monitor the implementation of the EP and assess the satisfaction of all stakeholders. Based on the audit results, a plan of corrective actions is developed, and post-monitoring control is carried out. The educational programme undergoes quality monitoring at least once every 3 years; in the case of preparation for specialized accreditation of the educational program, quality monitoring is carried out unscheduled.

The employees of the DAA, QACS conduct annual monitoring of the quality of educational programs and as feedback for the implementation of events and plans of corrective actions in order to improve the educational program. The sources of information are the results of students' academic performance in disciplines, the results of questionnaires, reports of departments, schools, the office-registrar, acts of external and internal inspections, and reports of the end-of-course assessment. Analysis of these sources allows us to identify weaknesses and determine further ways to improve the educational program.

One of the priority areas of the Development Program of NJSC "MUK" is conducting research in the field of medical education. The mechanisms for motivating and developing the interest of employees and teachers in conducting research in the field of postgraduate education are stimulating the activities of the Academic staff in conducting research in medical education. In order to motivate the Academic staff to conduct research in the field of medical education, the presence of publications in this field is an indicator of the department's activities. The Academic staff implementing the EP

have publications on the role of mentoring in training residents, presentations on the effectiveness of teaching and assessment methods. This is documented in the "Regulations on the management of the EP NJSC "MUK", "Regulations on the rating of departments and assessment of the activities of the teaching staff".

Resources for clinical training are updated annually and in 2023 the residency program in the specialty "Infectious diseases in adults" is provided with the following: residents have access to highly specialized diagnostic and treatment methods, both at the inpatient and outpatient levels. The clinical bases of NJSC "MUK" have sufficient hospital beds - a sufficient number of classrooms for conducting practical classes for independent work of residents.

In 2023, the resource provision for clinical training is sufficient (clinical base of the IC RCH, CDD IC, CDD clinic NJSC "MUK").

6.7 Training in other institutions

The academic policy for training residents includes the possibility of training in alternative organizations if the existing clinical sites do not cover all the topics of the educational programme. At the same time, training of residents in the specialty 7R01107 "Infectious diseases of adults, children" is carried out on the basis of the infectious diseases centre of the Regional Clinical Hospital, where there are departments with a total bed capacity of 195. Such disciplines of the educational programme as "Infectious diseases in hospital in adults", "Infectious diseases in hospital in children" are studied by residents on the basis of the infectious diseases centre of the Regional Clinical Hospital. Preparation of scientific publications is carried out under the guidance of a teacher and does not require additional bases for training. However, residents can participate in March-April 2023 as part of the academic mobility program, 1st year resident N.G. Baymurzina visited the Tajik State Medical University named after Ibn Sino (Dushanbe).

Internal academic mobility was implemented in 2023 by training 1st and 2nd year residents at KazNMU at the Department of Paediatric Infectious Diseases, NJSC "AMU", at SKMA (<https://cloud.mail.ru/public/QYWp/8xmZPQpqz>).

The planned visiting professor for 2023 by the head of the Department of Infectious Diseases, Professor Saidmuradova G. M. was not implemented due to the health condition of the professor. The work with this partner continued. In October 2023, TSMU was visited by the faculty of the department as part of the external academic mobility of the faculty (Professor Devdariani H. G., Assistant Professor Dyusembayeva A. Ye.) (<https://cloud.mail.ru/public/QYWp/8xmZPQpqz>)

A visiting professor from Moldova, Head of the Department of Infectious Diseases of the State Medical and Pharmaceutical University, Doctor of Chemical Sciences, Associate Professor Placinte G. P., is planned for 2024. During the reporting period, there were no transfers of students to other universities under the educational programme "Infectious Diseases of Adults and Children". Within the framework of academic mobility, memorandums of cooperation in the field of healthcare, medical education and science were concluded with 24 medical universities of Kazakhstan, with 83 universities of the near and far abroad. For example, in the specialty of the accredited educational program, international cooperation is carried out with the Moldova State Medical and Pharmaceutical University, the Tajik State Medical University.

The Academic staff and residents of the department actively interact with the republican professional associations of infectious disease specialists, take part in scientific and practical conferences, master classes, and the Society of Infectious Disease Specialists.

From 03/05/2023 to 05/01/2023, resident of the specialty "Infectious diseases of adults, children" of NJSC "MUK" N.G. Baymurzina studied at the A.Sino TSMU in Dushanbe as part of academic mobility.

From 01.11.2023 to 01.12.2023, resident of the specialty "Infectious diseases of adults, children" of NJSC "MUK" Zhaksylykova Zh.B. is undergoing training at NJSC "SKMA" in Shymkent as part of internal academic mobility.

From 28.10.2023 to 08.11.2023, teachers of the EP Devdariani H.G., Dyusembayeva A.Ye were on an exchange programme at the TSMU named after A. Sino in Dushanbe, in the discipline

"Children's infectious diseases".

From 02.01.2023 to 29.01.2023, resident of the specialty "Infectious diseases of adults, children" of NJSC "MUK" Niyazbekova M.P. within the framework of internal academic mobility, she studied at NJSC "SKMA", Shymkent.

From 02.01.2023 to 29.01.2023, residents of the specialty "Infectious diseases of adults and children" of NJSC "MUK" Alshimbaeva Z.Ye and Arystanbaeva G.Ye., within the framework of internal academic mobility, studied at NJSC "Kazakh National Medical University named after S.D. Asfendiyarov" in Almaty.

From 03.01.2023 to 28.01.2023, resident of the specialty "Infectious diseases of adults and children" of NJSC "MUK" Kasenkan T.R., within the framework of internal academic mobility, studied at NJSC "Astana Medical University" in Astana.

Teachers of the educational organization actively participate in republican and international events. Thus, 4 teachers took part in scientific and practical conferences with international participation. Such participation allows applying the obtained information in the educational process. For example, in the specialty of the educational programme "Infectious diseases of adults, children", such scientific and practical events as scientific and practical conferences of city, republican and international significance are held. Over a period of 5 years, prof. Alshinbekova G.K. (Israel, at the Rambam clinic) completed a 3-month internship from 01.07.2021 to 30.08.2021 under the educational programme "Infectious diseases", within the framework of the international programme "Bolashak" abroad, on the topics: Innovative technologies in infectology; Methods of diagnosis and treatment of infectious diseases in adults and children; Methods of diagnosis and treatment of chronic hepatitis in adults and children.

Conclusions of the EEC on the criteria. Comply with 18 standards (including 11 basic, 7 improvement standards): fully - 18, partially - 0, do not comply - 0

Recommendations for improvement: none.

Standard 7: EDUCATIONAL PROGRAMME EVALUATION

7.1 Monitoring and evaluation mechanisms

All stages and levels of quality assurance of the educational programme are regulated by the current legislation and regulations: the Law on Education of the Republic of Kazakhstan, Order of the Ministry of Health of the Republic of Kazakhstan No. 63 dated 04.07.2022 "On approval of state mandatory standards for levels of education in the field of health care", Order of the Ministry of Education and Science of the Republic of Kazakhstan dated April 20, 2011 No. 152 "On approval of the Rules for organizing the educational process using credit technology of training in organizations of higher and (or) postgraduate education", the Charter of NJSC "MUK", the Academic Policy of NJSC "MUK", the Policy for the admission of students to NJSC "MUK".

The monitoring system is a continuous multi-level process that covers the assessment of all aspects of the organization, implementation and assessment of the EP: development, approval of the EP, organization and implementation of the educational process, achievement of the final LO, analysis of the results of external and internal audit of the EP and the educational process at the University, analysis of feedback from all participants in the educational process and stakeholders.

The EP monitoring mechanism is carried out within the framework of internal university control during the audit, includes several stages: planning, data collection, analysis/conclusions, necessary improvements with subsequent monitoring of changes. Accordingly, the AP NJSC "MUK" in the monitoring of the EP (internal audit); all university structures involved in the implementation and quality management of the EP participate. Each stage and level in the EP quality assurance system is regulated by the relevant normative and regulatory documents. The decision on EP management is assigned to the school councils, the quality of the EP is ensured by the participants in its implementation: the Dean of the School, the Head of the EP, module coordinators responsible for the discipline, heads of departments, teachers. Since the 2020-2021 academic year, the QACS has been

created at the School of Economics and Management, the main function of which is to monitor the implementation of the educational programme and evaluate the satisfaction of all stakeholders. Based on the audit results, a plan of corrective measures is developed, and post-monitoring control is carried out.

Quality assessment at the institutional level is ensured by the Department of Strategic Development and Quality Management, which also coordinates the processes of preparation for the external assessment of the quality of the educational program. Monthly meetings of the department and school discuss the methodological support of the educational program, the implementation of the curriculum, the results of quality control of the educational process, and the analysis of students' academic achievements. Monitoring of the educational programme at the university level is carried out through discussion of the context of the programme at the School Councils, whose members are the faculty of the departments, employers and students. Their opinions, comments and suggestions on the organization of the educational process (class schedule, etc.), the CED, the library fund, the results of control and other issues directly related to the educational process are taken into account and aimed at improving the educational program. The necessary measures are discussed and recommended during the annual reports of the Vice-Rector for Academic Affairs at a meeting of the University Senate. One of the forms of monitoring the quality of the EP is midterm and end-of-course assessment.

An external quality evaluation procedure includes an independent assessment of the knowledge of university graduates are carried out in the form of a comprehensive exam with the involvement of external examiners. The results of the independent examination of the NCIE, discussed annually at a meeting of the department, the Council of the SR&PD, determine the need to improve the EP. One of the mechanisms for continuous monitoring and improvement of the EP is a systematic survey of the faculty (<https://cloud.mail.ru/public/Wzpp/Px1owdHiw>), students and employers. Residents are surveyed after completing each discipline. The results obtained are discussed at meetings of the department, Schools, meetings of the AC, the University Senate. Based on the results of this data, the strategy of the EP is adjusted.

External mechanisms include: annual independent assessment of graduates' knowledge and skills, rating of educational programmes of higher education institutions based on the assessment of the activities of higher education institutions by the National Chamber of Entrepreneurs of the Republic of Kazakhstan "Atameken", institutional and specialized accreditation accompanied by post-accreditation monitoring and other external inspections by authorized bodies.

Supporting documents for this information in general are the annual Reports of the Chairmen of the FSA, the National Chamber of Entrepreneurs "Atameken" together with the Ministry of Science and Higher Education has been conducting an independent assessment of educational programmes of Kazakhstani universities for the sixth year.

The educational programme undergoes quality monitoring at least once every 3 years, in case of preparation for specialized accreditation of the EP, quality monitoring is carried out unscheduled. An annual analysis of the educational programme will allow the educational organization to make adjustments and improve the content. Initially, the educational programme was reviewed by Devdariani H.G. (internal reviewer) on 04/28/2022, Director of the MSE "RCH" Nurlybaev Ye.Sh., external reviewer, on 07/05/2022.

Chief freelance infectious disease specialist of the Kostanay region is Nurpeisova A.Zh., on 07/05/2022.

Subsequently, the residency program is approved at a meeting of the SR and PD. Regular evaluation of the quality of the educational programme is carried out by the QACS through a survey of the faculty, students and employers.

While evaluating the programme, the goals and objectives of training, the final learning outcomes (through assessment of residents, independent examination) are taken into account. The process of implementing the educational programme is assessed through feedback from residents and teachers and the achievements of graduates. For example, a survey of 2021-2022 residents in the specialty "Infectious diseases of adults and children" demonstrated the following: satisfaction with the

quality of the EP, but there were requests for the opportunity to independently supervise patients in the second year of study, if necessary, to involve clinical mentors and faculty. A survey of 3 teachers, conducted in 2022, showed that they were satisfied with the quality of the EP. The selection and compliance of teachers and teaching methods is also carried out through feedback from residents.

Following the requirements of standards for accreditation, NJSC "KMU" systematically monitors the EP taking into account the mission, required final RO, EP content, assessment of knowledge and skills, and educational resources. Monitoring and assessment covers all aspects of the organization, implementation, and assessment of the EP.

The methods used to assess the knowledge and skills of residents are presented in the syllabi of the EP disciplines (*Current control*: oral survey, written assignments, solving clinical problems, tests, 360° assessment, assessment of maintaining medical records, assessment for performing night/day duty (assessment sheets); assessment for mastering practical skills at the "workplace";

End-of-course assessment: comprehensive exam is clinical exam, written exam/testing).

The assessment of the sufficiency and quality of educational resources is carried out by the QACS by analysing the results of the EP examination by the QACS members, analysing the results of the survey of employers and graduates, students, and shows what is necessary for the quality of educational resources according to the feedback results.

7.2 Feedback from teachers and residents

The educational organization regularly collects feedback from teachers, residents, and employers. Every year at the end of the academic year, questionnaires are sent to employers. The questionnaire contains 10 questions and they are devoted to assessing the employer's satisfaction with the quality of training of graduates of the NJSC "Karaganda Medical University". The results of the employer survey conducted in 2022 and 2023 showed that the overall share of employer satisfaction is 92%. The results of the employer survey in 2022 showed a high percentage of satisfaction with the quality of training of residents; especially highly employers rated the level of achievement of such competencies as patient supervision, communication and collaboration, training and development, safety and quality of medical care. All recommendations were positive; there were no comments or suggestions. Based on the results of the survey, we can conclude that employers are satisfied with the training of graduates of the NJSC "MUK", graduates have sufficient knowledge, practical skills and competencies.

The level of clinical training of residents in 2021, 2022 was highly rated by teachers, since all residents during this period worked in temporary, COVID hospitals, thereby providing tremendous assistance to practical healthcare.

Residents are surveyed twice a year and are devoted to topics such as satisfaction with the quality of the educational process. Thus, the analysis of the results of the survey of residents in the 2022-2023 academic year demonstrated satisfaction (96%) with the quality and clinical environment of training, organization and equipment of resources of the educational process in all disciplines of the specialty "Infectious diseases of adults, children" (Minutes of the meeting of the Council of the School of Medicine and Pedagogical Sciences No. 9, dated 04/13/2023).

7.3 Results of residents and graduates

The results of residents and graduates are indicators of the quality of educational programmes. At the department level, residents' satisfaction with the educational process is systematically assessed. After completing each discipline, residents fill out questionnaires expressing their opinion on the quality of training, identifying the strengths and weaknesses of the learning process. The results obtained are analysed at department meetings in order to improve the organization and content of the educational program.

The final outcomes of the resident assessment in 2022 show the following: for the discipline "Infectious diseases in hospitals for adults and children" from 86 to 90%, for the discipline "Infectious diseases in the outpatient clinic for adults and children" from 83 to 90%.

The experts were introduced to the results of this survey, as well as the analysis and measures taken to improve the educational program.

The teachers rated the level of clinical training of residents in 2021, 2022 very highly, since all residents during this period worked in temporary, COVID hospitals, and thereby providing tremendous assistance to practical healthcare.

The SR and PD, together with the Head of the EP, analyse the percentage of graduates' employment. Among the graduates of the residency in the specialty "Infectious diseases of adults, children", 100% are employed in their specialty, the majority work as infectious disease doctors of the KO and RK. Baltabaeva A.D. was accepted to the staff of the Department of Infectious Diseases and Phthysiology of the NJSC "MUK" as a teacher-intern, Alshimbaeva Z.Ye. is a PhD student. Employers appreciated such qualities of graduates as communication skills, friendliness, empathy, responsiveness, ability to work in a team. According to the analysis of the questionnaire of employers, there were no weaknesses in graduates; there were requests to use a more practice-oriented approach in training. The percentage of employment in dynamics over 5 years was from 98% to 100%.

Since the entire process of training and monitoring residents is concentrated in the School of Residency and Professional Development, the results of the assessment of the clinical practice of residents and graduates are immediately sent to the responsible persons. The School of Residency and Professional Development is responsible for the residency programs. Direct management of the training of residents is carried out by the head of the EP in the specialty of residency "Infectious diseases of adults, children" - professor of the Department of Infectious Diseases and Phthysiology Alshinbekova G.K. To improve the educational process in the last 2-3 years, the following has been done: the Commission for Quality Assurance of the EP is working.

7.4 Involvement of stakeholders

The educational organization has approaches to involve teachers and residents in the evaluation of the educational programme and monitoring of its implementation. Thus, the 1st year resident Baltashova G.M. is included in the advisory body "School Council" of the school of residency and professional development and participates in the discussion of all issues of the educational process. The results of the evaluation of the educational programme are announced at a meeting of the Quality Assurance Commission, the school council, the Senate.

Interviews with 17 employers were conducted offline and included questions such as: knowledge of the university mission, participation in the development of the mission and proposals for the strategic plan, participation in the work of advisory bodies, satisfaction with the basic knowledge and skills of residents, participation in training residents through mentoring, providing the department and residents with the necessary resources for practical training and the formation of clinical thinking, problems of interaction with departments and universities in general, 100% employment of residency graduates, etc.

7.5 Procedure for approving educational programs

The procedure for approving the educational programme is carried out in accordance with the established norms and procedures defined in the "Regulations on the management of the educational programme of the NJSC "MUK", including the process map "Development, approval and approval of the educational program". This process includes coordination with representatives of practical healthcare, examination of the Quality Assurance Commission of the School of Residency and Professional Development, as well as discussion and approval at a meeting of the Board of the NJSC "MUK".

In addition, the educational programme undergoes external examination for inclusion in the Register of educational programs of the Unified System of Higher and Postgraduate Education.

The interested parties participating in the approval of the educational programme are the Academic staff, employers, and students.

Monitoring of the provision of educational resources for the implementation of the EP in the specialty and PD is carried out during the development and updating of work programs, preparation of syllabuses for the discipline/module. An analysis of the provision of the necessary equipment and

supplies, literature, and resources of the Centre for Social and Educational Technologies is carried out. When developing the work plan of the department, the department's base is indicated - provision of classrooms, offices, availability of technical training equipment and equipment. Residents are trained at clinical sites of medical organizations based on agreements (Order of the Ministry of Health of the Republic of Kazakhstan dated December 21, 2020 No RK MOH-304/2020 "On approval of the provisions on a clinical site, a clinic of an educational organization in the field of healthcare, a university hospital, a residency site, an integrated academic medical centre and the requirements imposed on them"). While preparing agreements between a clinical site and a MUK, the characteristics of the site, the profile of the departments, the bed capacity, the availability of an accreditation certificate certifying that the clinical site complies with the standards for accreditation in the field of healthcare of the Republic of Kazakhstan are considered. Monitoring of the provision of educational resources for compliance and quality of clinical training of the EP is carried out by the department, DAA, SR and PD, internal audit.

Conclusions of the EEC on the criteria. Comply with 10 standards (including 7 basic, 3 improvement standards): fully - 10, partially - 0, do not comply - 0

Standard 8: MANAGEMENT AND ADMINISTRATION

8.1 Management

Residency training is conducted in accordance with the requirements of such regulatory rules regarding the admission of residents, such as acceptance of applications by the Admissions Committee within the timeframes established by the "Model Rules for Admission to Education in Educational Organizations Implementing Educational Programs of Higher and Postgraduate Education", approved by the [Order of the Minister of Education and Science of the Republic of Kazakhstan dated October 31, 2018 No. 600.](#), as well as the availability of license No. KZ32LAA00016018 dated May 6, 2019 in the direction of 7R091 "Healthcare (Medicine)". The educational programme is managed in accordance with the Law of the Republic of Kazakhstan "On Education", Order of the Minister of Education and Science of the Republic of Kazakhstan No. 595 "On approval of the Model rules for the activities of educational organizations of the corresponding types", Order of the Ministry of Education and Science of the Republic of Kazakhstan No. 600 "On approval of the Model rules for admission to training in educational organizations implementing educational programs of higher and postgraduate education", Order of the Minister of Health of the Republic of Kazakhstan No RK MOH-249/2020 "On approval of the rules for assessing the knowledge and skills of students, assessing the professional readiness of graduates of educational programs in the field of health care and specialists in the field of health care", State Educational Standards, and is also established by the internal regulatory document Academic [Policy of NJSC "MUK"](#), Regulation on the management of the educational program, Regulation on residency.

The implementation of educational programs of the residency is carried out in accordance with license No. KZ32LAA00016018 dated 06.05.2019 in the direction 7R091 "Healthcare (medicine)".

Assessment of knowledge and skills is carried out on the basis of ongoing monitoring, midterm, final certification. Assessment of residents and achievement of the final learning outcomes under the residency programme is carried out on the basis of an independent examination.

Thus, NJSC "MUK" implements educational programs in accordance with regulatory legal acts approved by authorized bodies of the Republic of Kazakhstan, as well as internal rules for organizing the educational process at the university.

To implement the educational program, the educational organization has an organizational structure in which the educational sector is represented by the DAA, the SR and PD department, the library, the university clinic, etc. Upon completion of postgraduate training programmes and receiving a positive assessment from the end-of-course assessment, students are issued a state-issued "Certificate of Completion of Residency" with the award of the qualification of a doctor. Persons who have

mastered the educational programme 7R01107 "Infectious Diseases of Adults and Children" and successfully passed the state certification are awarded the qualification of an infectious disease doctor.

8.2 Academic Leadership

In accordance with the "Regulations on the Management of the EP NJSC "MUK" (decision of 09.09.2020 order 14), the quality of the EP is ensured by the participants in its implementation: the dean of the SR and PD, the head of the EP, the head of the department and the Academic staff. The Head of the Department and the Head of the EP are directly responsible for the organization and effectiveness of current monitoring of academic performance and midterm assessment in disciplines, provide consultations and administer exams in the profile of the academic discipline in accordance with the academic calendar of the EP, syllabus and exam schedule. Quality assurance at the EP level is carried out by the QACS.

The educational process is managed in accordance with the organizational structure of NJSC "MUK" (approved by the Board of Directors, Minutes No. 40 dated October 30, 2022). Issues of residency training and the clinical process of the university are supervised by the Vice-Rector for Scientific and Clinical Work, Prof. Ye.M. Turgunova carries out its activities in accordance with the approved job description approved by the decision of the Board of Directors dated October 28, 2022 and manages the clinical activities of the university, including the university clinics, clinical training of postgraduate education specialists, the development of clinical research, as well as the research activities of the university, taking into account scientific and social priorities and the needs of fundamental science and practical health care.

The direct management of the residency EP is carried out by the SR and PD, it is an educational, scientific, methodological, administrative and educational unit of NJSC "MUK", implementing educational programs of higher professional education.

The School of Medicine and Health is responsible for decision-making: development and implementation of educational programmes, introduction of new educational programs in residency specialties, development and formation of working curricula taking into account the requirements of the State Compulsory Educational Standard, residency educational programme and CED recommendations for the recruitment of residents and selection of teachers for the departments that train residents. The School exercises control over residents, maintains relations with the practical healthcare sector and residency graduates, interacts with other structural divisions of NJSC "MUK" involved in the implementation and support of residency programmes (DAA, CSS, DEF, etc.). The university has developed and implemented principles and approaches to periodic assessment of management in the form of annual meetings of the Chairman of the Board - Rector with the medical community of the city, Academic staff, administrative and management staff, students, within the framework of which the Rector presents an annual report on the activities of the university. The report is posted on the university website.

Periodic assessment of the activities of the university management is carried out at a meeting of collegial and advisory bodies through an internal audit, the work of external and internal commissions and self-assessment. Heads of administrative departments, vice-rectors, deans give a report at meetings of the Senate, the School Council.

At the university, in the AP NJSC "MUK" OE AP/1 (Version No. 1) and in the Personnel Policy of the University (<https://www.qmu.kz/ru/contents/view/379>; <https://www.qmu.kz/media/qmudoc/AcademPolitika.pdf>; <https://www.qmu.kz/media/qmudoc/KadrPolit.pdf>) principles and approaches to periodic assessment of the activities of the university's Academic staff are developed. Monitoring of the activities of the teaching staff at all levels, starting with the department, is carried out annually, which is noted in the Personal Growth of the Academic Staff of NJSC "MUK", at meetings of departments, the School Council and the Senate.

The university divisions, including departments and schools, carry out an analysis based on the results of the implementation of the KPI indicators of the relevant divisions, including indicators of training, teaching and research activities for the reporting period (academic, calendar year). Issues on

the EP are submitted for discussion to the School Council and the Senate. The compliance of the residency teachers with the goals and objectives of the educational programme is analysed based on the results of reporting activities, annual implementation of the IWPT, certification of the academic staff every 5 years (Standard 5 "Academic staff").

Residents can be involved in the process of assessing the academic leadership (dean, head of department, teachers) by expressing their opinions and wishes at the end of the course of study or mastering a specific discipline or by questionnaires to identify opinions and take into account comments and suggestions. Comments and suggestions from students on issues of organizing the educational process (class schedule, etc.), on the list of elective disciplines, on the library collection and other issues directly related to the educational process can be taken into account.

In response to the survey question "Do the organization's management listen to your opinion regarding issues related to the educational process, research, and clinical work?", 72% of teachers answered that they do so systematically, 24% answered "sometimes", and 4% "no answer".

8.3 Budget for training and resource allocation

The department responsible for planning and distributing finances in residency programs is the Department of Economics and Finance, the Department of Public Procurement; there is a "Regulation on the Department of Economics and Finance" dated April 28, 2021. A financial plan is drawn up annually, including a target budget for training, which is 908,076.98 tenge. The financial plan complies with the Development Program for the period 2024-2028. The share of funding for residency programs, taking into account the expansion of residency specialties, increased from 728,873% in 2021 to 926,568% in 2023. Most of the funds are spent on infrastructure maintenance: utilities, operating costs, routine repairs of academic buildings and dormitories, security services, cleaning services, equipment and office equipment.

Resource provision for the educational programme 7R01107 "Infectious diseases of adults and children", including the target budget for training, is carried out by the Department of Economics and Finance, which in turn exercises control over the activities of the public procurement department, the Department of Economics and Finance. <https://cloud.mail.ru/public/QYWp/8xmZPQpqz>.

The university provides for separate accounting of finances for EPs. The need for SR and PD is considered at a meeting of the Board, where the need for each item and costs is discussed in detail. These expenses are planned based on applications from the Dean of SR and PD. The process of planning and distributing finances in residency programs is described in the "Regulations on the management of the educational programme in NJSC "MUK" <https://cloud.mail.ru/public/QYWp/8xmZPQpqz>.

The process of forming the university budget for the current year includes determining the income and expenditure base. The income part of the university budget is formed by financial receipts from the following items:

- main educational activities (educational grant and income from educational activities on a fee basis);
- other activities (implementation of research work, publishing and printing services, medical services, dormitory accommodation services, etc.).

The target budget allocated by the main customer of services, which is the Ministry of Health of the Republic of Kazakhstan, is financing based on data on the actual availability of the university contingent. Considering that the normative and regulatory acts under which the university operates in terms of planning and spending the allocated funds are not always correct, and the standards for planning expenses per student and their financial support are not distinguished.

Targeted financing is carried out: under the budget program (006 "Training of specialists with higher, postgraduate education and provision of social support to students"), at the expense of a state educational grant, at the expense of own funds or the local executive authority.

The cost of each EP is formed taking into account the full coverage of costs: i.e. salaries, taxes, internship expenses, academic mobility, visiting professors, equipping the educational process

(equipping the CSET, equipping the library fund), as well as the costs of maintaining academic buildings.

This academic year, expenses are planned for participation in international scientific and practical conferences, external academic mobility of the faculty at the TSMU in Dushanbe, visiting professors <https://cloud.mail.ru/public/QYWp/8xmZPQpqqz>.

A financial report is provided annually, which demonstrates, among other things, the distribution of educational resources in accordance with needs and coverage of all types of expenses for the implementation and development of the residency program.

8.4 Administration and Management

NJSC "MUK" has the appropriate administrative and management staff and Academic staff, academic leaders are persons in the management and management of structural divisions responsible for making decisions on academic issues. There is a corresponding administrative (95 people) and Academic staff (987 people), including management: 1082 people. In order to effectively manage the educational process, the employees of the Department of Academic Affairs underwent advanced training in 2023.

The management structure of the university assumes effective implementation of the educational program, effective management, and timely provision of the necessary educational resources.

The selection of personnel is carried out on the basis of an analysis of the needs of the educational program, based on the results of which a competition is announced to fill vacant positions in accordance with the [Rules for the competitive filling of vacant positions of NJSC "MUK"](#). The requirements for the teaching staff when elected to vacant positions are determined by job descriptions and the [Charter of NJSC "MUK"](#).

The university has developed and approved regulations on structural divisions (school, department) and job descriptions of the university Academic staff.

The organizational management of the EP is carried out by the DAA, DHRM, deans of schools and heads of departments. The functions of organizational management include regulation of the educational process (academic calendar, number of academic groups, volume of academic work, and teaching load of the PS), calculation of hours, and formation of a schedule, development and approval of the WC, management of the classroom fund, student contingent, accounting of students' academic achievements, organization of the admissions campaign.

Operational management of the EP is carried out by: deans, heads of the EP, coordinators of discipline modules, heads of departments, teachers. The functions of operational management are development, implementation, and realization of the EP, formation of curricula, material and technical, educational and methodological and information support of the educational process, career guidance work and work with students.

The main structural unit that carries out management and implementation, as well as coordination of the work of other departments participating in the implementation of the EP, is the school.

In order to improve the adaptation of the recruitment policy and formation of personnel to the changing needs of the university, the university management model is regularly improved, and the representation of stakeholders in the management structures is expanded.

The activities of the advisory bodies of NJSC "MUK" - the School Council, the Senate, which include academic leaders and representatives of a wide range of stakeholders (employers, representatives of practical health care, residents, etc.) allow improving and effectively implementing educational programs, ensuring effective management and administration.

Experts have established that the Policy in the field of ensuring the quality of the educational process has been developed within the framework of the Quality Management System of NJSC "MUK" (ISO 9001:2015). The revision of the Policy in the field of ensuring the quality of the educational process is carried out when changing the LSI, the strategic goals of the university, changing the requirements of stakeholders.

The assessment of the administration and management of the educational process as a whole and the educational programme of the residency in the specialty "Infectious diseases of adults and children" is carried out through systematic monitoring, data analysis, assessment of feedback from students and residents, as well as the participation of internal and external experts.

8.5 Requirements and regulations

The educational organization complies with the recommendations of national authorized bodies, including the Ministry of Science and Higher Education of the Republic of Kazakhstan and the Ministry of Health of the Republic of Kazakhstan. Thus, in accordance with the classifier of residency specialties (On approval of the Classifier of training areas for personnel with higher and postgraduate education) all educational programmes are provided with relevant educational and methodological documents and teachers.

Conclusions of the EEC on the criteria. Comply with 11 standards (including 8 basic, 3 improvement standards): fully - 11, partially - 0, do not comply - 0

Standard 9: CONTINUOUS RENEWAL

In order to continuously improve the educational process in accordance with the practice of global educational management, taking into account the needs of practical healthcare in the Republic of Kazakhstan, NJSC "MUK" regularly monitors the assessment of the quality of education, updates the training process for residents, makes changes and improves the educational programme.

In 2022, with the introduction of the new State Compulsory Educational Standard No. 63 dated 04.07.2022, when developing the EP, the final results and competencies were reviewed and analyzed residents taking into account modern trends in the development of diagnostics and treatment in infectious diseases, the percentage of practical classes has been changed from 10% to 20% (in accordance with the State Compulsory Educational Standard). At the beginning of each academic year, syllabuses are reviewed and changes are made: the introduction of new teaching and assessment methods, updating the provision of literature, thematic plan, etc., taking into account the updating of clinical protocols, international recommendations, the needs of practical healthcare, the needs of the market in the field of infectious diseases. The list of elective disciplines, forms of control are reviewed annually, test questions and written assignments are updated by 30% taking into account new concepts of diagnostics and treatment. In the 2019 academic year, portfolio protection was introduced into the final control of residents.

Planned activities aimed at improving the EP in accordance with changing conditions are reflected in the development plan of the educational programme 7R01107 "Infectious diseases of adults, children" for 2020-2023.

Monitoring of academic performance and quality control of knowledge, results of midterm evaluation and results of independent examination of the NCIE are conducted and discussed at the meeting of the Council of the SR and PD. Also, an important mechanism for evaluating the process of training residents is to receive feedback from students (residents) through questionnaires. The results of the monitoring analysis allow for a regular review, assessment of the degree of achievement of final results, making changes and determining the need to improve the EP.

The process of monitoring and planning the revision of the EP is aimed at improving the EP and the quality of training of residents. The process of planning the revision (change and update) of the educational programme is carried out on the basis of the release of new state compulsory educational standards, regulatory documents in the field of residency, strategic partnership, etc.

Changes and updates to the EP are carried out taking into account the wishes of stakeholders (employers and residents), who are regularly surveyed. In cases where a complete revision of the EP is required (in the event of the release of new regulatory documents in the field of residency, strategic partnership, etc.), the head of the EP and the SR and PD organizes working meetings with those responsible for the specialties, explains the new provisions and gives the task of revision. The person responsible for the specialty creates a working group, which includes experienced Academic staff,

residents, and representatives of practical healthcare. The procedure for developing, approving and updating the EP is presented in the [Regulation on the management of the educational programme](#).

Resources are reviewed annually for continuous improvement. The library collection is constantly updated with basic and additional literature in three languages (Kazakh, Russian, and English). Residents have a good opportunity to work in various information resources of the library and publishing centre, the CSET (electronic textbooks, disks with films and illustrations, electronic manuals, simulators and mannequins with software), as well as educational resources of the Internet. The availability of the Internet at clinical sites allows residents to work online, participate in various webinars, master classes, etc.

The processes of updating and improving the educational programme, clinical competencies, resident assessment methods, and teaching methods are based on prospective studies and data from current literature on the educational process.

In the 2019-2020 academic year, the EP in residency was revised. As a result, the core competencies and final learning outcomes required to achieve a certain level in the learning process were revised.

Annual updating of the syllabi is based on the achievements of science and practice, which is ensured by the participation of the Academic staff in Congresses, conferences, webinars, as well as monitoring by teachers of new international clinical protocols and recommendations for diagnosis and treatment.

The processes of updating training and restructuring lead to a revision of the policy and practice of the residency programme. Thus, when improving the EP, the department took into account the environment of postgraduate training, modified the final results and adapted them according to modern views of theory and practice, made adjustments according to the requirements of new LSI, new methods for assessing residents, forms of examinations were developed, teaching methods changed, the process of monitoring and assessing the EP changed, stakeholders are widely involved. Thus, continuous improvement of the educational process in the residency in the specialty "Infectious diseases of adults, children" helps to modernize the EP and graduate well-trained specialists in demand in various regions of the Republic of Kazakhstan.

Conclusions of the EEC on the criteria. Comply out of 2 standards (including 1 basic, 1 Standard of improvement): fully - 2, partially - 0, do not comply - 0.

CONCLUSION: during the external evaluation of the educational programme, it was found that out of 114 standards (including basic standards - 82 and improvement standards - 32), full compliance is demonstrated by 112 standards for accreditation, including 80 basic standards and 32 improvement standards. 2 basic standards are partially fulfilled. No non-compliance with standards was found.

5. Recommendations for improvement of the educational programme "Infectious diseases of adults, children" of the NJSC "Medical University of Karaganda":

1. To expand the catalogue of elective disciplines, taking into account the need to ensure competence in the scientific foundations and methodology of medical research for the scientific activities of residents (Standard 2.2).

2. To expand the clinical base for mastering the discipline "Infectious diseases of adults, children in the clinic" in the specialty "Infectious diseases of adults, children" (Standard 2.4).

6. Recommendation to the ECAQA Accreditation Council

The members of the EEC came to a unanimous opinion to recommend that the ECAQA Accreditation Council to accredit the educational programme **7R01107 "Infectious diseases of adults, children"** of the NJSC "Medical University of Karaganda" for a period of 5 years.

	Full name	Signature
Chairman	Zhanalina Bakhyt Sekerbekovna	
International Expert	Nasyrov Ruslan Abdullaevich	
International Expert	Troinich Yana Nikolaevna	
Academic Expert	Zhumalina Akmaral Kanashevna	
Academic Expert	Madyarov Valentin Manarbekovich	
Academic Expert	Nugmanova Aigul Maratovna	
Academic Expert	Apbasova Saulesh Akhatovna	
Academic Expert	Yesetova Gulstan Utegenovna	
Academic Expert	Sadykova Ainur Maralovna	
Academic Expert	Tuksanbaeva Gulfariza Usenbaevna	
Academic Expert	Iztleuov Yerbolat Maratovich	
Academic Expert	Pak Laura Alekseevna	
Academic Expert	Kamhen Vitaly Bronislavovich	
Employer Expert	Daniyarova Bayan Lashinovna	
Student Expert	Dyusembek Nazira Askerbekkyzy	

Профиль качества и критерии внешней оценки образовательной программы (обобщение)

Standard	Критерии оценки	Количество стандартов	БС*/СУ	Оценка		
				Полностью соответствует	Частично соответствует	Не соответствует
1.	МИССИЯ И КОНЕЧНЫЕ РЕЗУЛЬТАТЫ	14	9/5	9/5		
2.	ОБРАЗОВАТЕЛЬНАЯ ПРОГРАММА	22	19/3	17/3	2	
3.	ОЦЕНКА РЕЗИДЕНТОВ	9	6/3	6/3		
4.	РЕЗИДЕНТЫ	20	14/6	14/6		
5.	АКАДЕМИЧЕСКИЙ ШТАТ/ПРЕПОДАВАТЕЛИ	8	7/1	7/1		
6.	ОБРАЗОВАТЕЛЬНЫЕ РЕСУРСЫ	18	11/7	11/7		
7.	ОЦЕНКА ОБРАЗОВАТЕЛЬНОЙ ПРОГРАММЫ	10	7/3	7/3		
8.	УПРАВЛЕНИЕ И АДМИНИСТРИРОВАНИЕ	11	8/3	8/3		
9.	НЕПРЕРЫВНОЕ УЛУЧШЕНИЕ	2	1/1	1/1		
		114	82/32	114		

Список документов, изученных членами ВЭЖ в рамках проведения внешней оценки образовательной программы резидентуры

№	Наименования документов/дата утверждения	Количество
1.	Стратегическая программа развития НАО «МУК»	1
2.	Академическая политика НАО «МУК»	1
3.	Кадровая политика НАО «МУК»	1
4.	Нормы времени для расчета объема учебной работы на 2023-2024 учебный год	1
5.	Политика приема обучающихся в НАО «МУК»	1
6.	Правила приема сотрудников при трудоустройстве в НАО «МУК»	1
7.	Правила рейтинговой системы оценки успеваемости обучающихся	1
8.	Правила внутреннего распорядка для обучающихся	1
9.	Политика управления рисками НАО «МУК»	1
10.	Положение о Совете Школы	1
11.	Положение о Сенате НАО «МУК»	1
12.	Положение об оплате труда НАО «МУК»	1
13.	Положение об оценке деятельности подразделений НАО «МУК»	1
14.	Положение о резидентуре НАО «МУК»	1
15.	Положение о повышении квалификации сотрудников	1
16.	ОП «Инфекционные болезни взрослые, детские»	1
17.	Выписки из протокола заседания кафедры	5
18.	Выписки из протокола заседания ШР и ПР	6
19.	Штатное расписание ППС, график работы	1
20.	Список выпускников за 2021-2022, за 2022-2023 учебный год	2
21.	Оценочный лист резидентов	3
22.	Средняя педагогическая нагрузка ППС на 2023-2024 учебный год	1
23.	Силлабусы	12
24.	Список публикации штатных ППС по специальности «Инфекционные болезни взрослые детские»	1
25.	Повышение профессиональной и педагогической квалификации штатных преподавателей по специальности: инфекционные болезни взрослые, детские»	7
26.	Повышение педагогической квалификации клинических наставников по специальности «Инфекционные болезни взрослые, детские»	5
27.	Укомплектованность научной и учебной литературы НАО «МУК»	1
28.	Список опубликованных работ резидентами по специальности: «Инфекционные болезни взрослые, детские» за период 2020 по 2023 г.г.	1
29.	Трудоустройство резидентов по специальности «Инфекционные болезни взрослые, детские»	1
30.	Сведения о финансировании и основных расходах на обучение (к Стандарту 8 «Управление и администрирование», п.8.3)	1