



«АККРЕДИТТЕУ ЖӘНЕ РЕЙТИНГТІҢ
ТӘУЕЛСІЗ АГЕНТТІГІ» КЕМ

НУ «НЕЗАВИСИМОЕ АГЕНТСТВО
АККРЕДИТАЦИИ И РЕЙТИНГА»

INDEPENDENT AGENCY FOR
ACCREDITATION AND RATING

REPORT

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

7R01105 Adult hematology (primary accreditation)

7R01107 Pulmonology for adults, children (primary accreditation)

7R01102 Adult, pediatric rheumatology (primary accreditation)

SOUTH KAZAKHSTAN MEDICAL ACADEMY

in the period from 4 to 6 May 2022

INDEPENDENT AGENCY FOR ACCREDITATION AND RATING
External expert commission

*Addressed to
Accreditation
Council of the IAAR*



REPORT

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

*7R01105 Adult hematology (primary accreditation)
7R01107 Pulmonology for adults, children (primary accreditation)
7R01102 Adult, pediatric rheumatology (primary accreditation)*

SOUTH KAZAKHSTAN MEDICAL ACADEMY

in the period from 4 to 6 May 2022

Shymkent, 2022

Content

(I) LIST OF SYMBOLS AND ABBREVIATIONS	3
(II) INTRODUCTION	4
(III) REPRESENTATION OF THE EDUCATIONAL ORGANIZATION	6
(IV) DESCRIPTION OF THE PREVIOUS ACCREDITATION PROCEDURE	9
(V) DESCRIPTION OF THE EEC VISIT	9
(VI) COMPLIANCE WITH SPECIALIZED ACCREDITATION STANDARDS	12
6.1. Mission and Deliverables Standard	12
6.2. Standard "Educational program"	14
6.3. Standard "Policy for assessing residency students"	19
6.4. Standard "Students of residency"	20
6.5. Standard "Teachers"	22
6.6. Standard "Educational Resources"	24
6.7. Standard "Evaluation of educational programs"	27
6.8. Standard "Management and Administration"	29
(VII) OVERVIEW OF STRENGTHS/BEST PRACTICE FOR EACH STANDARD	31
(VIII) OVERVIEW RECOMMENDATIONS FOR IMPROVING QUALITY	32
(IX) OVERVIEW OF RECOMMENDATIONS FOR THE DEVELOPMENT OF EDUCATIONAL ORGANIZATION	33



(I) LIST OF SYMBOLS AND ABBREVIATIONS

OP	- educational program
QED	- catalog of elective disciplines
CPN	- practical skills center
TUP	- standard curriculum
KOP	- committee of educational programs
research	- research work
QMS	- Quality Management System
JSC	- joint-stock company
KIIS	- complex medical information system
teaching staff	- faculty
RUP	- working curriculum
mass media	- mass media
GOSO	- state educational standard
RO	- learning outcome
MS ISO	- international standard - International Organization for standardization
UMKD	- educational and methodological complex of the discipline
SRSP	- independent work of the student with the teacher
SRO	- independent work of the student
CT	- comprehensive testing
SOP	- joint educational program
JSC	- joint-stock company
SNK	- student scientific circles
VOAD	- external evaluation of educational achievements
PGK	- intermediate state control
GAK	- State Attestation Commission
RUP	- working curriculum
NILE	- research laboratory
SIC	- research Center
GB	- city Hospital
SUE	- group of educational programs

(II) INTRODUCTION

In accordance with the order No. 53-19-OD dated May 2, 2022 of the Independent Agency for Accreditation and Rating, from May 4 to May 6, 2022, an external expert commission assessed the compliance of the educational program

7R01105 "Hematology for adults", 7R01107 "Pulmonology for adults, children" and 7R01102 "Rheumatology for adults, children" of the South Kazakhstan Medical Academy to the standards of specialized accreditation of the IAAR (No. 68-18 / 1-OD dated May 25, 2018, first edition).

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

The composition of the WEC:

- 1) **Chairman of the WEC** – Prof. Konrad Juszkievicz, Doctor of Medical Sciences, Professor, KIT Royal Tropical Institute (Netherlands). Off-line participation
- 2) **IAAR expert**– Kolomiets Natalia Eduardovna, Doctor of Pharmacy, Professor, Siberian State Medical University of the Ministry of Health of Russia (Russian Federation). Online participation
- 3) **IAAR expert**– Moroz Irina Nikolaevna, First Vice-Rector, Doctor of Medical Sciences, Professor, Belarusian State Medical University (Republic of Belarus) On-line participation
- 4) **IAAR expert**– Tulupova Elena Sergeevna, Ph.D, Institute of Public Health and Medical Law, 1st Faculty of Medicine, Charles University (Czech Republic) On-line participation
- 5) **IAAR expert**– Iliadi-Tulbure Korina Alexandrovna, Candidate of Medical Sciences, Associate Professor of the Department of Obstetrics and Gynecology, State University of Medicine and Pharmacy. N. Testemitanu (Republic of Moldova) On-line participation
- 6) **IAAR expert**– Boyko Svetlana Leonidovna, Dean of the Faculty, Grodno State Medical University (Republic of Belarus) On-line participation
- 7) **IAAR expert**– Kalyagin Aleksey Nikolaevich, Doctor of Medical Sciences, Vice-Rector for General Medicine and Postgraduate Education, Head of the Department of Propaedeutics of Internal Diseases, Irkutsk State Medical University of the Ministry of Health of Russia (Russian Federation) On-line participation
- 8) **IAAR expert**– Mahmudzoda Khayyom Ruziboy, Ph.D., Tajik State Medical University. Abuali ibn Sino (Republic of Tajikistan) Off-line participation
- 9) **IAAR expert**– Akberova Ilaha Kamal kyzy, PhD, Associate Professor, Azerbaijan State Institute for the Improvement of Doctors named after Aziz Aliyev (Azerbaijan Republic) On-line participation
- 10) **IAAR expert**– Dosmagambetova Raushan Sultanovna, Doctor of Medical Sciences, Professor, Karaganda Medical University (Republic of Kazakhstan) Off-line participation
- 11) **IAAR expert**– Musina Aiman Ayashevna, Doctor of Medical Sciences, Professor, Head of the Department of Public Health and Epidemiology, Astana Medical University (Republic of Kazakhstan) Off-line participation
- 12) **IAAR expert**– Aimakhanova Galia Turgaevna Candidate of Medical Sciences, NAO “Kazakh National Medical University. S.D. Asfendiyarov” (Republic of Kazakhstan) On-line participation
- 13) **IAAR expert**– Omarkulov Bauyrzhan Kadenovich, Candidate of Medical Sciences, Associate Professor, Karaganda State Medical University (Republic of Kazakhstan) On-line participation

- 14) **IAAR expert**– Kulzhanova Sholpan Adlgazievna, Head of Department - Department of Infectious Diseases and Clinical Epidemiology, Astana Medical University (Republic of Kazakhstan) Off-line participation
- 15) **IAAR expert**– Kurmangaliev Kairat Bolatovich, Candidate of Medical Sciences, Associate Professor, NAO “West Kazakhstan Medical University. Marat Ospanov” (Republic of Kazakhstan) On-line participation
- 16) **IAAR expert**– Amrenova Kuralay Shaganovna, Candidate of Medical Sciences, Associate Professor, Semey Medical University NJSC, (Republic of Kazakhstan) On-line participation
- 17) **IAAR expert**– Kudabayeva Khatima Ilyasovna, Candidate of Medical Sciences, Associate Professor of the Department of Internal Diseases No. 1, West Kazakhstan State Medical University. Marata Ospanova (Republic of Kazakhstan) Off-line participation
- 18) **IAAR expert**– Narmanova Oryngul Zhaksybaevna, Doctor of Medical Sciences, Professor, NJSC "Astana Medical University" (Republic of Kazakhstan) Off-line participation
- 19) **IAAR expert**– Pak Laura Alekseevna, PhD, Semey Medical University (Republic of Kazakhstan) Off-line participation
- 20) **IAAR expert**- Gazalieva Meruert Arstanovna - Acting Dean of the School of Medicine, Doctor of Medical Sciences, Professor, Doctor of the Highest Category, Karaganda Medical University) Off-line participation
- 21) **IAAR expert**– Yeseneev Olzhas Brimzhanovich, Deputy Chief Physician for Strategic Planning and Quality of Medical Services, Master of Business Administration in Healthcare, Anesthesiologist-Resuscitator, Petropavlovsk Multidisciplinary City Hospital (Republic of Kazakhstan) On-line participation
- 22) **IAAR expert**– Kaskabayeva Alida Sharipovna, Candidate of Medical Sciences, Associate Professor, Head. Department of Faculty Therapy, Semey Medical University (Republic of Kazakhstan) On-line participation
- 23) **IAAR expert**– Sabyrbayeva Gulzhan Amangeldievna, Candidate of Medical Sciences, NAO “Kazakh National Medical University named after A.I. S.D. Asfendiyarov” (Republic of Kazakhstan) On-line participation
- 24) **IAAR expert**–Asamidanov Yerkebulan Margulanovich, PhD, Associate Professor of the Department of Surgical Diseases, Medical University of Karaganda (Republic of Kazakhstan) On-line participation
- 25) **IAAR Expert, employer**– Mukashev Aizar Manatovich, Deputy Chief Physician for Strategic Development, Children's Regional Hospital, Petropavlovsk (Republic of Kazakhstan) On-line participation
- 26) **IAAR Expert, employer**– Izdenov Asset Kairatovich, PhD, Head of the Department of Medical Education of the Department of Science and Human Resources of the Ministry of Health of the Republic of Kazakhstan (Republic of Kazakhstan) On-line participation
- 27) **IAAR Expert, student**– Kanseyit Bekzada Dauletkozhakyzy, a 3rd year student of the OP Pharmacy of the Kazakh National University. al-Farabi, member of the Alliance of Students of Kazakhstan (Republic of Kazakhstan). Online participation
- 28) **IAAR Expert, student**– Bolatbekova Ayganym Aibolkyzy, doctoral student of the Public Health Programme, Karaganda Medical University, member of the Alliance of Students of Kazakhstan (Republic of Kazakhstan). Online participation
- 29) **IAAR Expert, student**- Orynbasar Bibol Nurzhanuly, 2nd year student of General Medicine, Kazakh National University. Al-Farabi, member of the Alliance of Students of Kazakhstan (Republic of Kazakhstan). Online participation
- 30) **IAAR Expert, student**- Panaev Ruslan, 3rd year student of the Public Health Program, Kazakh-Russian Medical University, member of the Alliance of Students of Kazakhstan (Republic of Kazakhstan). Online participation

- 31) **IAAR Expert, student**– Akhmetoldinova Nazykesh Kanatkyzy, a 2nd year student of the OP Public Health of the Kazakh National University named after. al-Farabi, member of the Alliance of Students of Kazakhstan (Republic of Kazakhstan). Online participation
- 32) **IAAR Expert, student**- Butanbek Zhansaya Maratkyzy, a 3rd year student of the EP General Medicine, a member of the Alliance of Students of Kazakhstan, “Kazakh National Medical University. S.D. Asfendiyarov” (Republic of Kazakhstan). Online participation
- 33) **IAAR Expert, student**– Kudaibergenov Dias Bauyrdzhanuly, a 4th year student of General Medicine, a member of the Alliance of Students of Kazakhstan, “Kazakh National Medical University. S.D. Asfendiyarov” (Republic of Kazakhstan). Online participation
- 34) **IAAR Expert, student**- Eset Dinara, a 3rd year student of the Public Health Program, a member of the Alliance of Students of Kazakhstan, “Kazakh National Medical University. S.D. Asfendiyarov” (Republic of Kazakhstan). Online participation
- 35) **IAAR Coordinator** – Saydulaeva Malika Akhyadovna, Project Manager of the Independent Agency for Accreditation and Rating (Republic of Kazakhstan). Off-line participation

(III) REPRESENTATION OF THE EDUCATIONAL ORGANIZATION

JSC "South Kazakhstan Medical Academy" (hereinafter referred to as the Academy) is the country's leading medical institution of higher education, which has been providing educational services in the market of Kazakhstan for over 40 years.

The Academy trains specialists in the medical, pharmaceutical and engineering-pharmaceutical areas at the level of secondary technical vocational education (medical college), higher education (bachelor's degree, internship), postgraduate education (master's degree, doctoral studies, residency); at the level of continuous professional development of health care personnel (advanced training and retraining of medical and pharmaceutical personnel).

The Academy has a license of the Committee for Control in Education and Science of the Ministry of Education and Science of the Republic of Kazakhstan No. KZ36LAA00011387, dated March 28, 2018, without a time limit, for the right to carry out educational activities under programs of technical and vocational, higher and postgraduate education, according to which the Academy has the right to issue documents on the formation of the state sample; has a certificate of institutional accreditation issued by NAOKO dated December 24, 2018, registration No. IA-A No. 0095. The validity of the certificate is December 22, 2023.

To implement the tasks and goals set, the Academy performs the following functions: training of qualified specialists with higher and postgraduate medical and pharmaceutical education, provided for by legal acts in the field of education; training, retraining and advanced training of healthcare workers with higher professional education; organizing and conducting exploratory, fundamental, applied scientific research on health issues and medical education; organization of joint work with healthcare organizations on disease prevention; participation in the organization and holding of scientific and educational events, exhibitions, seminars, conferences, trainings in the field of healthcare and medical education; development, publication and distribution of educational and methodical, scientific and scientific-practical literature, including on electronic media; organization and improvement of the methodological support of the educational process; logistics, equipment in accordance with regulatory requirements for the organization of educational and scientific work; introduction of innovative educational technologies in the educational process; implementation of direct relations with foreign and international organizations and institutions, the conclusion of agreements on cooperation in the field of education and scientific activities; sending students, undergraduates, residents, doctoral students, teachers (including on an exchange basis) to other states for education, internships, scientific research, exchange of experience and advanced training; participation in international scientific projects and grants. including on electronic media; organization and improvement of the methodological support of the educational process; logistics, equipment in accordance with

regulatory requirements for the organization of educational and scientific work; introduction of innovative educational technologies in the educational process; implementation of direct relations with foreign and international organizations and institutions, the conclusion of agreements on cooperation in the field of education and scientific activities; sending students, undergraduates, residents, doctoral students, teachers (including on an exchange basis) to other states for education, internships, scientific research, exchange of experience and advanced training; participation in international scientific projects and grants. including on electronic media; organization and improvement of the methodological support of the educational process; logistics, equipment in accordance with regulatory requirements for the organization of educational and scientific work; introduction of innovative educational technologies in the educational process; implementation of direct relations with foreign and international organizations and institutions, the conclusion of agreements on cooperation in the field of education and scientific activities; sending students, undergraduates, residents, doctoral students, teachers (including on an exchange basis) to other states for education, internships, scientific research, exchange of experience and advanced training; participation in international scientific projects and grants. organization and improvement of the methodological support of the educational process; logistics, equipment in accordance with regulatory requirements for the organization of educational and scientific work; introduction of innovative educational technologies in the educational process; implementation of direct relations with foreign and international organizations and institutions, the conclusion of agreements on cooperation in the field of education and scientific activities; sending students, undergraduates, residents, doctoral students, teachers (including on an exchange basis) to other states for education, internships, scientific research, exchange of experience and advanced training; participation in international scientific projects and grants. organization and improvement of the methodological support of the educational process; logistics, equipment in accordance with regulatory requirements for the organization of educational and scientific work; introduction of innovative educational technologies in the educational process; implementation of direct relations with foreign and international organizations and institutions, the conclusion of agreements on cooperation in the field of education and scientific activities; sending students, undergraduates, residents, doctoral students, teachers (including on an exchange basis) to other states for education, internships, scientific research, exchange of experience and advanced training; participation in international scientific projects and grants. equipment in accordance with regulatory requirements for the organization of educational and scientific work; introduction of innovative educational technologies in the educational process; implementation of direct relations with foreign and international organizations and institutions, the conclusion of agreements on cooperation in the field of education and scientific activities; sending students, undergraduates, residents, doctoral students, teachers (including on an exchange basis) to other states for education, internships, scientific research, exchange of experience and advanced training; participation in international scientific projects and grants. equipment in accordance with regulatory requirements for the organization of educational and scientific work; introduction of innovative educational technologies in the educational process; implementation of direct relations with foreign and international organizations and institutions, the conclusion of agreements on cooperation in the field of education and scientific activities; sending students, undergraduates, residents, doctoral students, teachers (including on an exchange basis) to other states for education, internships, scientific research, exchange of experience and advanced training; participation in international scientific projects and grants. conclusion of agreements on cooperation in the field of education and scientific activity; sending students, undergraduates, residents, doctoral students, teachers (including on an exchange basis) to other states for education, internships, scientific research, exchange of experience and advanced training; participation in international scientific projects and grants. conclusion of agreements on cooperation in the field of education and scientific activity; sending students, undergraduates, residents, doctoral students, teachers (including on an exchange basis) to other states for education, internships, scientific research, exchange of

experience and advanced training; participation in international scientific projects and grants.

Students and staff are provided with a high-speed Wi-Fi network covering the area of all academic buildings and dormitories of the academy. Each student and employee has a personal account to enter the Platonus information system, employees have personal access to the corporate portal for the implementation of electronic document management. To improve the quality and speed of work, distance learning technologies have been introduced: the LMS Platonus automated information system is functioning, integrated with the national educational database, online platforms ZOOM, Cisco Webex Meetings, Big Blue Button, etc. are used. The Academy provides training in Kazakh, Russian and English languages at 38 departments at undergraduate and postgraduate levels of education, in the following specialties:

Undergraduate education in the specialties: "General Medicine", "Dentistry", "Nursing", "Public Health", "Pharmacy", "Technology of Pharmaceutical Production", "Pediatrics".
Postgraduate professional education:

-Master's degree in 5 specialties:

-doctoral studies in 3 specialties:

- residency in 22 specialties:

The quality of education and research at the Academy is ensured by a high level of infrastructure: 4 academic buildings with classrooms equipped with interactive equipment; scientific library with a reading room and an electronic library room; "South Clinical & Genetic Laboratory"; 2 hostels; 32 clinical bases. The policy in the field of research work at the Academy is aimed at creating conditions for the provision of high-quality educational services that provide training for highly qualified pharmaceutical and medical specialists. Every year more than 100 students take part in international scientific conferences and research. So, at the initiative of the university,

Training of residents in the specialty 7R01107 "Pulmonology for adults, children" is carried out at the Department of Phthisiopulmonology and Radiology.

The department was organized in 1997, since September 2021 the department has been headed by Ph.D. Kasaeva L.T. When organizing the department, the administration was guided by the principle of integration of related disciplines, in order to optimally achieve the final results of training and the acquisition of professional competencies by residents. Were united in the department of 3 courses: phthisiology, pulmonology and radiology.

The clinical bases of the department are medical institutions of the regional level: the Regional Clinical Hospital, the Regional Children's Hospital, the Regional Center for Phthisiopulmonology, where highly qualified specialized medical care is provided to the population of the Turkestan region. Also, the clinical bases of the department are: City Diagnostic Center, medical centers Dau-med and Medicare, City Hospital No. 2. Teachers of the department perform medical work in the Regional Center for Phthisiopulmonology and the pulmonology department of City Hospital No. 2.

In the 2021-2022 academic year, 5 residents are studying in the specialty "Pulmonology for adults and children". For the implementation of the EP "Pulmonology for adults, children" are involved professor - 1, associate professor / assoc. prof. - 5, assistant - 5.

The graduation of residents in the specialty "Pulmonology for adults and children" is planned for 2023. To date, the staff of the department is negotiating meetings, round tables with employers from all regions of the Republic of Kazakhstan. Academic mobility of residents in the EP "Adult and Pediatric Pulmonology" is planned for the 2022-2023 academic year. Teachers of the department participate in internal academic mobility with KazNMU. The department has no funded research projects.

Training of residents in the specialty 7R01102 "Adult and Pediatric Rheumatology" is carried out at the Department of Therapy and Cardiology.

In the residency, the central place is given to the development of skills of modern clinical thinking, interpretation of the results of clinical trials, taking into account data from evidence-

based medicine, the presence of concomitant diseases, the patient's physiological profile in a particular clinical situation.

Each discipline includes training in evidence-based medicine, research management and public health, teaching the search for reliable and high-quality information, the ability to differentiate it by degree of value and effectively use it in clinical practice and research work. All program competencies and learning outcomes require residents to apply knowledge and skills based on evidence-based practice at all levels of health care delivery. All clinical bases of the department work in accordance with the clinical protocols of the Ministry of Health of the Republic of Kazakhstan, based on evidence-based medicine. Residents, together with the staff of the department, participate in seminars for practical healthcare on teaching clinical protocols of the Ministry of Health of the Republic of Kazakhstan.

Practical training includes elements of problem-based learning, project research. In order to develop the skills and knowledge of residents in critical judgment and substantiation of problem solving based on evidence-based medicine, active teaching methods are used in the departments.

The achievement of the final learning outcomes, the development of competencies, is facilitated by the applied innovative technologies: TBL, CBL, interdisciplinary training with a discussion of clinical cases, allowing the resident to enter the role of a practicing doctor, a specialist doctor of the appropriate profile with an interdisciplinary approach. Conducting an audit examination of medical records allows the Resident to master the skill of an expert. Implementation of scientific projects (RBL) develops the skills of a researcher, medical expert, manager.

At the moment, the program 7R01102 "Rheumatology for adults, children" is not trained.

(IV) DESCRIPTION OF THE PREVIOUS ACCREDITATION PROCEDURE

International specialized accreditation OP 7R01105 Hematology adult, 7R01107 Pulmonology adult, children, 7R01102 Rheumatology adult, children according to IAAR standards is carried out for the first time.

(V) DESCRIPTION OF THE EEC VISIT

The work of the EEC was carried out on the basis of the approved Program for the visit of the expert commission for specialized accreditation of educational programs to the SKMA from May 4 to May 6, 2022.

In order to coordinate the work of the EEC, on May 3, 2022, a kick-off meeting was held, during which powers were distributed among the members of the commission, the schedule of the visit was specified, and agreement was reached on the choice of examination methods.

To obtain objective information about the quality of educational programs and the entire infrastructure of the university, to clarify the content of self-assessment reports, meetings were held with the rector, vice-rectors of the university in areas of activity, heads of structural divisions, deans of faculties, heads of departments, teachers, students, graduates, employers. A total of 171 (change after checking with the table) representatives took part in the meetings (Table 1).

Table 5. Information about employees and students who took part in meetings with the EEC IAAR:

Participant category	Quantity
Rector	one
Vice-Rectors and Head of the Rector's Office	6

Heads of structural divisions	36
Deans of faculties	2
Heads of departments	6
teachers	25
students	25
Graduates	35
Employers	35
Total	171

During the tour, the members of the EEC got acquainted with the state of the material and technical base, visited the computer-testing and publishing center, the scientific clinical diagnostic laboratory, the “South clinical Genetik laboratory”, the Model of the “University Clinic”, the Office of the Registrar, the Library and Information Center, the Educational Laboratories Department of Pharmaceutical Production Technology, Center for Practical Skills. We visited the clinical base of the Department of Phthisiopulmonology and Radiology - City Hospital No. 2, a specialized department of pulmonology and allergology, a department of radiation diagnostics (CT, radiography, ultrasound), a department of functional diagnostics, a hospital admissions department, a department of exercise therapy and physiotherapy, an intensive care unit, a clinical laboratory. We attended a practical lesson for residents.

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

For the period of accreditation by the expert Dosmagambetova R.S. at the Department of Phthisiopulmonology and Radiology, a lesson was attended - a clinical analysis of the patient Yuldashev N., born in 1949, who is in hospital with a diagnosis of COPD, emphysematous type, category D, frequent exacerbations, severe course, exacerbation. Complications - Diffuse pneumosclerosis, DN II-III st. Chronic cor pulmonale, in the stage of decompensation, SNFC III (NYHA) "Clinical analysis of a patient with residents in the specialty "Adult and Pediatric Pulmonology" was conducted by a clinical mentor - Baidildaeva G.M., chief freelance pulmonologist, allergist in Shymkent, head of the department of pulmonology and Allergology GB 2, doctor of the highest category.

Resident Zhapatai Zh.A. the patient's history was presented, and under the supervision of a clinical mentor, residents conducted an additional survey and examination. Residents demonstrated communication skills, practical skills at the bedside: palpation, percussion, auscultation. The anamnesis, clinical manifestations were discussed, the substantiation of the diagnosis was carried out. All residents took part in the discussion of the examination plan, the results of examination and treatment. Resident Kulpiyeva A.N. a presentation was prepared on the features of the treatment of pulmonary hypertension in the elderly. The discussion of the Clinical Protocol for Diagnosis and Treatment was based on evidence-based medicine. Upon completion of the clinical analysis, it is planned to evaluate the residents in the form of testing and feedback.

During the work, members of the EEC visited the following internship bases: City Hospital No. 2 - a multidisciplinary specialized medical institution, which includes a hospital (bed capacity 250). The hospital has specialized therapeutic departments - pulmonology and allergology, hematology, nephrology, rheumatology, gastroenterology, cardiology, neurology, as well as the department of abdominal surgery, the vascular department. The hospital has departments of radiation diagnostics (CT, ultrasound, digital radiography, angiography), functional diagnostics, rehabilitation department - exercise therapy, physiotherapy.

In accordance with the accreditation procedure, a survey of 104 teachers, 69 students, including junior and senior students, was conducted.

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

As part of the planned program, recommendations for improving the accredited educational programs of the SKMA, developed by the EEC based on the results of the examination, were presented at a meeting with the management on 05/06/2022.



(VI) COMPLIANCE WITH SPECIALIZED ACCREDITATION STANDARDS

6.1. Mission and Deliverables Standard

Evidence

The implementation of the educational program is carried out in accordance with the mission, vision, goals and objectives of the Academy.

The mission of the educational program is to meet the needs of the resident doctor in achieving learning outcomes, providing the healthcare system and society with highly qualified pulmonologists for adults and children. In formulating the mission and determining the final results of the EP, the developers consult with all interested parties: the academic community, students, employers, healthcare organizers, professional communities, representatives of related specialties, namely pediatric pulmonologists, phthysiatricians, radiologists, oncologists through round table discussions, online webinar discussions.

The mission of the educational program was brought to the attention of all interested parties by posting it on the website of the Academy.

The educational program has been developed taking into account the opinions of all stakeholders: the administration of the Academy, faculty, residents, employers, health and education authorities, public opinion expressed in social networks, when talking during the provision of medical services. The popularization of the EP "Pulmonology for adults, children" is carried out through the participation of the staff of the department in regular round tables with employers, scientific and practical and medical conferences, posting information on social networks (facebook, instaqram, teleqram). Information about the mission of the educational program is provided to partners near and far abroad. There is a review of the OP from the head of the department of pulmonology with a course of clinical allergology of the Republican Center for Advanced Training of Medical Workers of the Ministry of Health of Uzbekistan, MD. Ubaidullaeva N.N. The mission of the OP was presented in an online lecture by the head of the Department of Phthysiopulmonology and Radiology Kasaeva L.T. students and teachers of the Department of Phthysiopulmonology of the Grodno State Medical University of the Republic of Belarus. The teachers of the department in the process of academic mobility discussed the mission of the EP with students and teachers of KazNMU named after. S.D. Asfendiyarov. Together with the National Scientific Center for Phthysiopulmonology of the Ministry of Health of the Republic of Kazakhstan, republican educational webinars were held online, during which those present were informed about the mission and the educational program "Pulmonology for adults and children."

The main aspect of the stated mission of the educational program is to study the need for practical healthcare professionals and an effective system of professional training for residents. The teaching staff of the department actively cooperates with international and republican professional organizations, associations, being members of the Committee on Phthysiology at the State Unitary Enterprise Therapy at the NAO Medical University of Karaganda, as well as members of the Republican Association of Phthysiopulmonologists and Rheumatologists.

Meeting the needs of a resident doctor in achieving learning outcomes is achieved by training at clinical sites with access to patients and participation in active treatment and diagnostic activities under the guidance of a mentor, which is written in the list of privileges agreed with the clinical site.

The EP in the specialty "Adult and Pediatric Pulmonology" developed within the framework of the SES (Order of the Minister of Health of the Republic of Kazakhstan dated February 21, 2020 No. ҚР ДСМ-12/2020.) takes into account the main end results of the resident's training. The minutes of the meeting of the department No. 2 dated September 25, 2021 approved and presented in the competence model of the graduate the competencies and skills that the graduate will receive as a result of training in residency.

The EP presents the final learning outcomes and competencies of residency graduates.

At clinical bases, on the first day of work with a resident, a briefing is given to get acquainted with the code of ethics of a medical worker, with the rules of conduct in the team of a medical institution. The behavior and attitude of residents towards patients and their relatives is based on compliance with the Order of the Minister of Health of the Republic of Kazakhstan dated December 23, 2020 No. ҚР ДСМ-319/2020 “On Approval of the Code of Honor for Medical and Pharmaceutical Workers of the Republic of Kazakhstan”.

The department pays considerable attention to compliance with the standards of conduct and the Code of Honor, Academic Integrity of students, the Code of Honor of the teaching staff and employees of the Academy. The Code of Honor is signed by each resident upon enrollment and each newly hired teacher or employee. All provisions of the Code must be strictly observed. The department is responsible for the analysis of the problems that have arisen and the prevention of violations among residents.

Since the EP is focused on the expectation of the employer and the needs of the labor market, the content of the EP and the Catalog of elective disciplines are being coordinated with employers. Employers, members of professional associations are involved in reviewing the EP, participating in the discussion of the results at meetings of the Committee for Educational Programs. During the discussion, proposals are formed to further improve the strategy and tactics of training in residency, which allows timely development of action plans to eliminate shortcomings. The involvement of employers and professional associations enables a more reliable assessment of the activities of the Academy and the improvement of the process of continuous improvement of the formulation of the mission and goals.

The main result of training in residency in pulmonology is the formation of a highly qualified competitive pulmonologist, with the need for continuous improvement of their qualification and professional skills. The department receives feedback about residents through a 360-degree questionnaire, which is included in the resident's portfolio.

In the rules for admission to residency, based on the order of the Ministry of Education and Science of the Republic of Kazakhstan dated 10/31/2018 "On approval of the Model rules for admission to study in educational organizations implementing educational programs of higher and postgraduate education", as amended by order No. 237 dated 06/08/2020, the level of academic performance and prerequisites of disciplines necessary for admission to residency, which is the initial step for the formation of a further consistent trajectory of professional and career growth.

Analytical part

EEC experts note that within the framework of the Mission and End Results standard for educational programs 7R01105 “Adult Hematology”, 7R01107 “Adult, Pediatric Pulmonology” and 7R01102 “Adult, Pediatric Rheumatology”, during the work of the expert commission and the analysis of the submitted documentation, it was revealed, in general, compliance with the requirements of the standard.

An analysis of the compliance of the activities of the administration of the Academy and the Department of Phthisiopulmonology and Radiology with the criteria of this Standard as a whole indicates the presence in the university of a Development Strategy that corresponds to the mission and vision. The management of the Academy plans and conducts activities in accordance with the target indicators of the direction of activity, monitoring and improvement activities.

WEC members note that the MissionsOP 7R01105 "Adult Hematology", 7R01107 "Adult and Pediatric Pulmonology" and 7R01102 "Adult and Pediatric Rheumatology" are determined with the participation of all interested parties and are brought to the attention of stakeholders and the general public through notification and publication on the official website, in social networks, during an interview .

OP7R01105 "Adult Hematology", 7R01107 "Adult and Pediatric Pulmonology" and 7R01102 "Adult and Pediatric Rheumatology" were developed on the basis of the requirements of state educational standards and model curricula, taking into account the national health development programs of the Republic of Kazakhstan and the opinions of stakeholders, and allow preparing a competent specialist in pulmonology capable of various types of professional activities, such as medical, organizational and managerial, research, expert, which gives the graduate the opportunity for career growth and individual development.

Upon completion of training in EP the graduate has the possibility of employment in outpatient, consultative-diagnostic and inpatient medical organizations, or continue his studies in the scientific and pedagogical magistracy, PhD doctoral studies.

The available material resources of the academy and the clinical bases of the department are used to the full in accordance with the goal of realizing the mission and goals of the EP. EEC members note that the Academy attaches great importance to the formation of proper safe behavior among residents in relation to patients and their relatives.

At the same time, WEC members have not received convincing evidence of how the Academy systematically collects, accumulates and analyzes information about its activities in preparing the residency program, conducts and documents an assessment of strengths and weaknesses, on the basis of which the Academy's management determines policy and develops strategic and tactical plans.

Strengths/best practice:

No strengths were identified for this standard.

WEC recommendations:

1. Develop and implement at the Academy a Policy for ensuring the quality of residency educational programs related to the strategic goals of the university. Deadline September 2022
2. Develop and implement an internal quality management system for residency educational programs for the purpose of timely assessment, analysis, improvement of their development and implementation to ensure the quality of education. Deadline until December 2022

Conclusions of the EEC according to the criteria:

According to the standard educational programs 7R01105 Adult Hematology, 7R01107 Adult Pediatric Pulmonology and 7R01102 Adult Pediatric Rheumatology have 15 satisfactory positions and 1 position suggesting improvement.

6.2. Standard "Educational program"

Evidence

Structure and content of the EP 7R01105 "Hematology for adults", 7R01107 "Pulmonology for adults, children" and 7R01102 "Rheumatology for adults, children" comply with the requirements of the Order of the Minister of Health of the Republic of Kazakhstan dated February 21, 2020 No. ҚР DSM-12/2020 "On Amendments to the Order of the Acting Minister of Health and Social Development of the Republic of Kazakhstan dated July 31, 2015 No. 647 "On Approval of State Compulsory Standards and Model Professional Curricula in Medical and Pharmaceutical Specialties". In accordance with the classifier, the specialty of residency is legitimate, and the graduate will receive a certificate of completion of residency at the end of the educational program.

The EP defines and approved by the decision of the Academic Council of the Academy the final learning outcomes and competencies of residents.

The content of the EP corresponds to the mission of the Academy and meets the needs of employers.

In order to create conditions for the personal participation of residents in the provision of medical care at the level of PHC and hospital, the department has agreements with clinical sites. Practical training is carried out through the daily personal participation of the resident in medical activities using diagnostic and treatment methods based on evidence-based medicine, mastering the practical skills provided for by the training program during practical classes, performing night shifts and independent work under the guidance of mentors, work to promote a healthy lifestyle. Thanks to the opportunity to work in clinics and independently engage in medical work, residents have increased responsibility to the patient and colleagues.

The equipment of clinical bases makes it possible to effectively implement active learning methods (analysis of clinical cases, maintenance of medical records, examination of the quality of medical care, patient management, training in the clinic with the participation of a real patient, training in primary health care, attending medical conferences, consultations, teaching using web-technologies); learning through research. The training of residents at clinical sites is carried out under the guidance of curators who are appointed from among the teaching staff who have the degree of candidate of medical sciences, as well as the highest or first qualification category. Each teaching staff of the department has qualifications and certificates in several related specialties. In addition to the curator, the resident is assigned a mentor - a highly qualified practitioner of public health. Fixing mentors at the medical bases, allows residents to work daily with modern medical equipment and clinic equipment. Mentors take an active part in the training of young specialists, transfer to the young specialist the accumulated experience of professional skills, teach the most rational methods and advanced methods of work.

Feedback between mentors and residents is carried out through feedback from the clinical staff on the activities of the resident, residents about the work of the clinical mentor, 360-degree assessment of students.

In order to create an atmosphere of benevolence and tolerance that contribute to the work of the scientific and creative potential of employees and residents, the Academy has developed and approved the Code of Ethics, which sets out the ethical principles that are mandatory for students and employees of the Academy.

In training, the priority is a student-oriented approach that contributes to the individual development of residents, allows for the development of personal qualities, the possibility of independent acquisition and application of knowledge, the choice of individual learning paths.

Syllabuses have been developed for the disciplines of the EP, which present the content of the discipline, the rights and obligations of the student, the requirements for the behavior of the resident, both at the department and at the clinical base. Every year, at the first lesson, teachers acquaint residents with this document, carry out explanatory work with the distribution of an electronic version and placement in the information systems of the university. The EP pays great attention to the independent work of the resident, provides the opportunity to conduct research work, acquire the skills of independent search for information, develop and consolidate critical thinking skills, develop the ability to self-determination, self-education, and make optimal decisions. Thus, the clinical thinking and the need for lifelong learning are formed in the resident.

Every year, at the beginning of the academic year, each teacher of the department signs the "Code of honor of the teacher", which specifies the rules of conduct for the teacher of the Academy, taking into account the mission and vision.

EP by specialty 7R01105 "Adult Hematology", 7R01107 "Adult and Pediatric Pulmonology" and 7R01102 "Adult and Pediatric Rheumatology" are integrated; in the construction of classes and in assessing knowledge, much attention is paid to both vertical integration (basic knowledge and skills) and horizontal integration (related disciplines and sciences).

The EP provides for training in research skills, taking into account the real needs of

modern medicine, aimed at developing the skills of medical research methodology using scientific foundations. The CED OP "Pulmonology for adults, children" provides for the discipline "Management of scientific research and biostatistics". In residency, the central place is given to the development of skills of modern clinical thinking, interpretation of the results of clinical trials based on the principles of evidence. Competencies and learning outcomes require residents to apply evidence-based knowledge and skills at all levels of health care delivery. All clinical bases of the department work in accordance with the clinical protocols of the Ministry of Health of the Republic of Kazakhstan, based on evidence-based medicine. Education in scientific fundamentals is provided by access of residents to electronic scientific databases and library funds of the Academy. The teachers of the department carry out initiative scientific projects with the involvement of residents, participate in republican and international scientific forums in Russia, Uzbekistan and Korea.

The achievement of the final learning outcomes, the development of competencies, is facilitated by the applied innovative technologies: PBL, TBL, CBL, interdisciplinary training with a discussion of clinical cases, allowing the resident to enter the role of a practicing doctor, a specialist doctor of the appropriate profile with an interdisciplinary approach. Conducting an examination of medical records allows the resident to master the skill of an expert. Implementation of scientific projects (RBL) develops the skills of a researcher, medical expert, manager.

The development of clinical skills and professional attitude to work is facilitated by the participation of residents in the actual activities of a doctor: curation of patients at the inpatient level, outpatient appointments, preparation of medical documentation, work in medical information systems (KIIS), work with regulatory legal acts, duty, including Saturdays (according to a rotating schedule), work in the departments of pulmonology, functional diagnostics, preparation of reports, presentations, portfolio formation, providing a clear example of a professional attitude to work in a medical organization and interprofessional communications of specialists of various profiles and levels.

The use of clinical protocols and clinical guidelines in the educational process, which are regularly updated taking into account new achievements in medical science, is a guarantee that the content of training programs complies with modern achievements in science and practice. The teaching staff and residents have free access to the Internet, which guarantees the possibility of obtaining reliable and updated information on legal documentation in accordance with the profile of the discipline, modern achievements in science and practice, through the links to the information base indicated in the syllabus. Residents are provided with the names of the sites of the Ministry of Health of the Republic of Kazakhstan, the Republican Center for Health Development of the Ministry of Health of the Republic of Kazakhstan, where there is information on clinical protocols, international recommendations, laws and regulations.

Based on the experience of the leading countries of the world in managing the quality and safety of patients in 2007 at the Academy, the Center for Practical Skills was established. CPS uses modern methods of training and control: teaching with the use of modern diagnostic and production equipment. In accordance with the syllabus, a lesson for residents on the topic: "Spontaneous pneumothorax" is held in the CPN, which contributes to improving the quality of the technique of mastering a practical skill (pleural puncture), which ensures the safety of the patient.

The department, when planning the recruitment and graduation of residents in its specialty, studies the needs of the region and the labor market and offers elective disciplines. The list of disciplines of the elective component is discussed with employers. Residents participate in the choice of electives and the formation of an individual EP. Depending on the needs of the medical care system, changes and corrections can be made to the content of the EP through discussions at a meeting of the department, in the COP, which is a collegial advisory body, and changes and updates are made to the OP.

The structure of the EP residency in the specialty "Adult and Pediatric Pulmonology" is

formed from various types of educational, clinical and scientific work, practice that determine the content of education. The content of the program is sufficient to achieve learning outcomes. The content of the program is developed taking into account the latest scientific and technological achievements and an interdisciplinary approach. The duration of mastering the educational program of residency in "Pulmonology for adults and children" is 2 years. The academic year includes classroom work, independent work under the guidance of a clinical mentor and the student's own independent work (hereinafter referred to as SRO). The volume of classroom work is 10% of the volume of each discipline, independent clinical work under the guidance of a clinical mentor - 75%, SRO - 15%.

All academic disciplines and sections of the EP of the specialty are interconnected. After passing each discipline, a survey of residents is carried out in order to study satisfaction with the educational process, they are considered at a meeting of the department and taken into account in the future.

When compiling the staffing table for the new academic year, in order to conduct classes with residents, a mandatory requirement for teachers is the presence of an academic degree, academic title and work experience, for clinical mentors, the presence of a medical qualification category and sufficient work experience in the specialty, which is determined by the "Regulations on Mentoring" university.

Residents are trained on clinical bases in the departments of pulmonology, radiology, functional diagnostics, intensive care and resuscitation, on an outpatient basis and in a hospital, creating an opportunity for learning to work in an interprofessional team.

Mentoring has been carried out since September 2019 on the basis of the SES and the Regulations on mentoring. Every year, the list of curators is approved by order of the rector, for which no more than 3 residents are assigned. The curator is appointed from the teaching staff of the department, who have the degree of doctor, candidate of medical sciences, as well as the highest qualification category. At the clinical base, the resident is assigned a mentor-doctor of practical health care, who has the highest qualification category. The heads of the pulmonology departments of the Regional Clinical Hospital, the Regional Children's Clinical Hospital, City Hospital No. 2, and the Regional Center for Phthisiopulmonology are involved in the training of residents. When training residents, all the possibilities and resources of clinical bases (diagnostic and medical medical equipment, the Internet, a scientific library) are used.

Training at the workplace is carried out in accordance with the order of the Minister of Health of the Republic of Kazakhstan dated December 21, 2020 No. ҚР ДСМ-305/2020 "On approval of the nomenclature of specialties and specializations in the field of healthcare, the nomenclature and qualification characteristics of positions of health workers".

The duration of the development of the educational program of residency in "Hematology (adult)" is 2 years. The content of the educational program for the mandatory component of the curriculum implemented in the specialty "Hematology (adult)" strictly complies with the requirements of the State Educational Standard of the Republic of Kazakhstan.

With a 2-year training program, residents master 140 credits, 132 of which are for OK, 4 for CT - elective disciplines, 2 credits for PA and 2 for IGA. In total, the development of a cycle of major disciplines accounts for 136 credits.

The EP in the specialty "Hematology (adult)" enables residents during the entire training to plan and implement an individual, directed learning trajectory, preparing for work in the chosen specialty. Ensuring a guaranteed high quality of the educational process is determined by the quality of planning.

EP "Hematology (adult)" on the basis of the State Educational Standard of the Republic of Kazakhstan provides for the study of the disciplines of the mandatory component and the optional component. The content of the academic disciplines of the compulsory component is strictly regulated by the State Educational Standard of the Republic of Kazakhstan and is reflected in the standard curricula of the disciplines of the specialty, and the content of the academic disciplines of the compulsory component by the State Educational Standard.

Clinical work of residents during training is carried out under the guidance of clinical mentors. Mentors are appointed from among the teaching staff who have the degree of doctor, candidate of medical sciences, and practical healthcare workers with the highest qualification category. Mentors and teaching staff evaluate the portfolio of residents.

During the training with residents, the main amount is allocated to the independent work of the resident (CPP), which includes patient management (treatment and diagnostic, preventive work), participation in consultations of seriously ill patients, duty in the clinic departments, mastering the practical skills provided for by the training program in the specialty " Hematology (adult)", preparation of abstracts, reports and presentations, work in the library, Internet classes, participation in scientific and practical conferences, in the work to promote a healthy lifestyle among patients.

After passing each discipline, a survey of residents is carried out, an analysis of satisfaction with the educational process, all errors and recommendations are taken into account.

At the department in the training of residents, a large role is given to the development of practical skills and the formation of competencies in the chosen specialty. According to the standard curriculum, residents are trained in Regional Clinical Hospital, City Oncology Dispensary, City Clinical Hospital Shymkent. Clinical bases have sufficient bed capacity and classrooms for conducting practical exercises for independent work of residents.

The department introduced active learning methods and simulation technologies aimed at stimulating cognitive activity and motivation, developing skills, decision-making, critical thinking, teamwork, modeling real professional activities.

The presence of clinical bases in the form of emergency hospitals, multidisciplinary clinics in Shymkent and the Turkestan region provide an opportunity for residents to master the process of inpatient management of patients of various profiles, interaction as part of a multidisciplinary team, and providing assistance to the most difficult category of patients. Supervision of patients, their management, treatment, condition monitoring, accounting and reporting documentation allows residents to master procedures, including high-tech medical services, in the course of daily clinical activities.

Analytical part

EEC experts note that within the framework of the standard "Educational Program" in the specialties 7R01105 "Adult Hematology", 7R01107 "Adult and Pediatric Pulmonology" and 7R01102 "Adult and Pediatric Rheumatology" during the work of the expert commission and the analysis of the submitted documentation, it was found, in general, compliance with the requirements of the standard.

The content of educational programs of all disciplines, in syllabuses, takes into account national priorities and regional characteristics, epidemiological indicators of diseases of bronchopulmonary pathology among adults and children. child population, as well as blood diseases, current state of medical science and practice.

Teachers of specialized departments are doctors of the highest qualification category, they are certified and perform medical work at the clinical bases of the Academy, in medical organizations of the city and the region, which makes it possible to form graduate competencies of future pulmonologists, hematologists and guarantees integration between education and health care delivery.

EEC members note that practicing doctors of clinical bases as clinical mentors take an active part in the training of residents.

Strengths/best practice in 7R01105 Adult Hematology:

1. The strong point is the orientation of the Department of Phthisiopulmonology and Radiology to practice in the preparation of residents under the program 7R01107 "Pulmonology for adults, children", ensuring the personal participation of students in the provision of medical care and responsibility for patient care.

WEC recommendations

There are no recommendations for this standard.

Conclusions of the EEC according to the criteria:

According to the standard "Educational programs" 7R01105 "Hematology for adults", 7R01107 "Pulmonology for adults, children" and 7R01102 "Rheumatology for adults, children" have 1 strong and 24 satisfactory positions.

6.3. Standard "Policy for assessing residency students"**Evidence**

The policy and procedure for evaluating the learning outcomes of the EP "Adult and Pediatric Pulmonology" is carried out using criteria developed in accordance with the goals and objectives for the implementation of the EP and the qualifications awarded in accordance with the Academy's current scoring system for assessing knowledge and monitoring the educational process, regulated

- Law of the Republic of Kazakhstan "On Education" dated July 27, 2007 No. 319-III (as amended and supplemented as of January 1, 2022).
- Order and about. Ministry of Health of the Republic of Kazakhstan dated July 31, 2015 No. 647. "On approval of state mandatory standards and standard professional training programs for medical and pharmaceutical specialties" as amended on February 21, 2020 No. ҚР ДСМ-12/2020

The system for monitoring the educational achievements of students at the department includes: current and midterm monitoring of progress, intermediate certification of students and final state certification.

The department has developed control questions, tasks in the test form of MCQ tasks with several correct answers, situational tasks and clinical situations. At the first lesson in the disciplines, teachers bring to the attention of residents the assessment criteria approved by the Methodological and Academic Councils. The forms of monitoring educational achievements are displayed in syllabuses and are available to residents in the AIS. Control and measuring tools have been developed for all topics of the curriculum and correspond to its content. The department conducts:

- Current control - assessment according to checklists (report and checklist for duty, checklist for analyzing a thematic patient, checklist for maintaining medical records, etc.). All types of current control (practical exercises, seminars, SRRP, SRR) and midterm control are calculated on a 100 point system.
- Intermediate certification - the average score for assessing theoretical knowledge (testing) and passing practical skills is displayed;
- The final state certification is carried out by the NCNE in 2 stages: comprehensive testing (in all disciplines) and a practical (mini-clinical) exam at the patient's bedside. With averaging.

The results of students' achievements are displayed in the electronic journals of the AIS Platonus system.

Checklists for all types of assessment were approved at a meeting of the department and at a meeting of the Committee for Educational Programs (CEP).

The department uses an additional method of assessing residents - a portfolio. The portfolio reflects the scientific activity of the resident, participation in seminars, conferences, publication of scientific articles, possession of practical skills. Evaluation of scientific work also affects the overall assessment of the discipline.

All residents receive timely information about the assessment upon completion of the control. The Academy has an appeal system, about which all students are informed at the beginning of classes and by posting on the website of the university.

Analytical part

EEC members note that when analyzing educational and methodological documentation and interviews with residents, information was obtained that knowledge is assessed mainly by testing, and practical skills are assessed at the patient's bedside.

Additional assessment methods are mini clinical exam, 360-degree assessment, portfolio. The Academy uses a 100-point grading system. The results of the training of residents are monitored and analyzed at the department, discussed with residents and employers.

At the same time, EEC experts note that the teachers of the department do not use modern methods for evaluating learning outcomes and do not fully use the capabilities of the Center for Practical Skills to assess the achievements of students, there is no OSKE, GOSKE, the possibilities of "standardized patients" are not involved.

There is no procedure for documenting and evaluating the validity, reliability, impact on learning, acceptability, effectiveness and fairness of monitoring and measuring devices.

Strengths/best practice.

No strengths were identified for this standard.

WEC recommendations:

1. The leaders of the EP are recommended to revise the system of assessing students with the inclusion of modern methods and forms of assessment, taking into account their applicability and effectiveness in relation to the established learning outcomes. Term 2022-2023 year.
2. EP managers are encouraged to document the reliability and validity of assessment methods on an ongoing basis.
3. The leaders of the EP are recommended to develop new principles for assessing the practical training of students that promote integrated and interprofessional learning. Deadline until September 2022

Conclusions of the EEC according to the criteria:

According to the standard "Policy for assessing residency students" educational programs 7R01105 Adult Hematology, 7R01107 Adult Pediatric Pulmonology and 7R01102 Adult Pediatric Rheumatology have 6 satisfactory positions and 4 positions suggest improvement.

6.4. Standard "Students of residency"***Evidence***

Residency admission for educational programs 7R01105 "Hematology for adults", 7R01107 "Pulmonology for adults, children" and 7R01102 "Rheumatology for adults, children" are produced in accordance with the Rules for admission to residency of the SKMA, developed on the basis of Order of the Ministry of Education and Science of the Republic of Kazakhstan No. 600 "On approval of the Model rules for admission to study in an educational organization implementing educational programs of higher and postgraduate education (as amended on 06.2020) and does not restrict the rights of low-income families and national minorities.

Changes regarding residency admission are reflected in the Academy's Academic Policy and Admission Rules. In particular, in 2021, in accordance with paragraph 17 of Article 47 of the Law of the Republic of Kazakhstan dated July 27, 2007 "On Education" and the Decree of the Government of the Republic of Kazakhstan dated March 30, 2012 No. 390 (as amended on June 1, 2021), residents who entered on the basis of state educational order, work in healthcare organizations for at least three years or scientific organizations in the field of healthcare. Residential graduates must be employed in medical institutions by September 01 of the current

year in accordance with the decision of the Republican Commission on the personal distribution of young specialists dated June 22, 2021. A prerequisite for admission to residency in 2022 is the availability of a job in medical organizations.

Residency admission with an indication of the specialty is announced through the media, and posted on the website of the Academy (<https://skma.edu.kz/ru/pages/abiturientu>). Information on the required list of documents for admission to residency is posted on the Academy's website, and is also available in the selection committee. Acceptance of applications for residency in higher educational institutions was held from 3 to 25 July.

Selective exams are held orally by tickets. The schedule for the entrance examinations in the specialty and the program of entrance examinations for residency is formed by the staff of the Academy Department, discussed at a meeting of the department, approved by the Scientific and Clinical Council. Entrance examinations for residency are held from 8 to 16 August, enrollment - 28 August. Residency classes begin on September 01. Exam tickets, in addition to questions, contain situational tasks that allow you to assess the clinical thinking of the applicant. Evaluation is carried out on a 100 point scale.

Persons who scored the highest scores in the entrance exam are enrolled for training, according to the state educational order on a competitive basis: for residency - at least 75 points, for a contractual basis - at least 50 points. In order to ensure the transparency of the examination procedure, a video recording of the examination is carried out, observers and members of the commission are present in the hall.

In order to ensure compliance with uniform requirements and resolve disputes, the Academy creates an appeal commission to consider appeals in accordance with the Order of the Ministry of Education and Science of the Republic of Kazakhstan No. 600 "On Approval of the Model Rules for Admission to Education in Educational Organizations Implementing Educational Programs of Higher and Postgraduate Education (with additions and amendments) in June 2020). Resident students have the right to transfer to SKMA and from SKMA during the vacation period in accordance with the regulations of the Republic of Kazakhstan.

Currently, EP 7R01107 "Pulmonology for adults and children" has 5 residents of the first year of study. The available clinical bases, human and material, information resources make it possible to conduct training at a qualitative level, the number of students corresponds to the training opportunities.

The Academy annually inquires the need for practical healthcare in pulmonologists for planning admission to residency, taking into account the capabilities of the Academy and clinical facilities.

The university has developed a system of consulting and supporting residents, confidentiality is guaranteed by the administration and the head of the department.

Resident students participate in the discussion of the mission of the EP and the final learning outcomes, participate in the development of individual educational programs. The main principle of participation is round tables, interviews, and questionnaires.

Analytical part

Requirements set out in the IAAR standard "Students of residency" for EP7R01105 "Hematology for adults", 7R01107 "Pulmonology for adults, children" and 7R01102 "Rheumatology for adults, children" are performed in sufficient volume.

The Academy determines the Admission and Selection Policy based on national requirements, taking into account regional specifics. Selection of applicants for 7R01105 "Adult Hematology", 7R01107 "Adult and Pediatric Pulmonology" and 7R01102 "Adult and Pediatric Rheumatology" are interconnected with the mission of the program.

The requirements for competitive enrollment have been determined and approved, exams are accepted on a commission basis and are documented by video recording. The number of students accepted for study at the EP is established in accordance with the current NPA, taking into account the area of training facilities, the capabilities of clinical facilities, the availability of

faculty and clinical mentors, the degree of provision with educational literature, access to information systems.

The results of the residents' interviews showed satisfaction in terms of the attitude, accessibility and responsiveness of the university management, the availability of teaching materials for the EP, the availability of counseling on personal problems, the level of availability of library and information resources, the overall quality of curricula, teaching methods and the quality of teaching.

According to the results of the survey (assessment of teachers, department, residency department, resource equipment of the Academy), residents are satisfied with the learning process, a favorable social environment is noted within the walls of the Academy. 100% of residents noted the principle of equality in education.

Strengths/best practice

No strengths were identified for this standard.

WEC recommendations

There are no recommendations for this standard.

Conclusions of the EEC according to the criteria:

According to the standard "Students of residency" 7R01105 "Hematology for adults", 7R01107 "Pulmonology for adults, children" and 7R01102 "Rheumatology for adults, children" have 17 satisfactory positions.

6.5. Standard "Teachers"

Evidence

For the implementation of the EP "Pulmonology for adults and children", the Department of Phthisiopulmonology and Radiology has a sufficient number of teachers in accordance with the mission for the successful implementation of the residency educational program. Teachers have specialist certificates corresponding to the qualification requirements and certificates of the highest category in their profile, they are active specialists. The ratio of the number of teachers of the profiling department meets the requirements for teaching staff who train in residency and the number of residents is at least 1:3.

When hiring teachers and clinical mentors, the Academy is guided by state regulations, in particular, the Labor Code of the Republic of Kazakhstan dated November 23, 2015 (as amended and supplemented on July 1, 2021), the Law of the Republic of Kazakhstan dated July 27, 2007 No. 319- III "On Education" (as amended on 01/01/2022), the Code of the Republic of Kazakhstan dated July 7, 2020 No. 360-VI ZRK "On the health of the people and the healthcare system" (as amended and supplemented on 03/02/2022) and internal documents of the academy, namely the Charter of the SKMA, the Rules of internal labor regulations. Employment is carried out by concluding employment contracts in accordance with the Labor Code of the Republic of Kazakhstan, or by competition,

The policy of recruitment and admission of teachers and employees, their category and responsibility are reflected in the personnel policy of JSC "SKMA" and posted on the website of the academy "Qualification characteristics of positions for scientific and pedagogical workers and requirements for employment", approved by the rector of JSC "SKMA" from 23 March 2019. Qualification requirements, rights and obligations are fixed by labor contracts of employees.

The teaching staff is formed based on the needs for the effective implementation of educational programs, as well as on the basis of the total teaching load. When compiling the staffing table for the academic year, in order to conduct classes with residents, a mandatory requirement for teachers is the presence of basic education, the correspondence of the specialty

code of an academic degree, academic title, medical qualifications in one of the areas of the EP (adult pulmonology, children's pulmonology, phthiology, radiology) and experience work. Clinical mentors involved in practical healthcare are subject to such requirements as having a basic education, a medical qualification category (first, highest) and work experience in the specialty.

The leadership of the Academy, in accordance with the needs of the academic process, improving the final learning outcomes, pays sufficient attention to strengthening the material and technical base, conducts advanced training of the teaching staff to achieve the mission of the educational program.

The Human Resources Department, the head of the profile department are responsible for compliance with the Academy's personnel policy, the Policy of Academic Integrity, the Code of Ethics of the Academy employee.

Table. Teachers of major disciplines (quantitative indicators)

OP	full time		Part-time	
	Professor	Associate Professor/Associate Professor	Assistant	Teacher
Pulmonology for adults, children	one	5	5	-

The Administration of the Academy, the Department of Major Disciplines determine and improve the qualification requirements, performance criteria and the scope of the teaching staff in accordance with the latest achievements of medical science in the field of the major discipline, the needs of healthcare in the Republic of Kazakhstan, changes in the Mission of educational activities for residency, the internal needs of the Academy and other objective factors. The management of the department guarantees the possibility of the teacher to carry out all activities for the training of residents. With changes in qualification requirements, efficiency criteria and scope of activity of the teaching staff of the Academy, equal opportunities for continuous professional development are provided, which is consistent with and contributes to the achievement of the mission and final learning outcomes.

The dynamic development of the qualifications of the teaching staff is guaranteed by the First Vice-Rector, Vice-Rector for Scientific and Clinical Affairs and is carried out in accordance with the Academy's task of increasing the capacity of the teaching staff ("Strategic Directions of the Academy for 2019-2023").

Acting order Minister of Health of the Republic of Kazakhstan dated January 19, 2021 No. KR DSM-6 "On approval of the methodology for forming the cost of education for education programs in the field of health care" defines a unified approach at the Academy when forming the cost of training one resident doctor for all EPs.

According to the Methodology, the expense item for the preparation of a resident doctor provides for a payroll fund and expenses for the rehabilitation of the teaching staff, educational support, administrative and managerial and service personnel. The SKMA has the Regulation "On remuneration, bonuses, provision of material assistance and payment of benefits for the improvement of employees of JSC South Kazakhstan Medical Academy".

The staffing of the teaching staff of the SKMA is regulated by the Law of the Republic of Kazakhstan "On Education", Chapter 7 Status of a Pedagogical Worker, Article 52 The system of remuneration of employees of educational organizations, as well as by order of the Ministry of Education and Science of the Republic of Kazakhstan No. 606 dated October 31, 2018 "On approval of the average ratio of the number of students to teachers for calculation the total number of teaching staff of organizations of higher and postgraduate education, with the exception of the academy of justice, military, special educational institutions, organizations of education in the field of culture. According to which, for the preparation of a resident doctor of

the teaching staff, the composition is determined based on the ratio of 3:1.

Analytical part

EEC experts note that the Academy and the Department of Phthisiopulmonology and Radiology maintain a balance between the academic staff of teachers and clinical mentors for the qualitative implementation of the EP. Criteria for the selection and admission of teaching staff have been developed and implemented, depending on the level of qualification, taking into account academic, scientific and clinical achievements. The administration and management of the department monitors the responsibility and compliance with the employment contract by teachers and clinical mentors, the quality of educational and clinical processes, participation in scientific research; an assessment of the effectiveness of the use of resources is carried out.

EEC experts state that teachers involved in the implementation of the EP provide high-quality educational services in accordance with the mission of the educational program. The employees of the department carry out their own initiative scientific projects, involving residents in research.

Participate in the development of the mission of the educational program and its content. Develop educational and methodological materials: working curricula, thematic plans, syllabuses, control and measuring tools. They introduce modern interactive teaching methods using simulation technologies in the CPS and distance learning. They assess the academic achievements and clinical competencies of students. They participate in the social and educational work of the Academy and the clinical bases of the department in order to form the social and personal qualities of the future pulmonologist.

Teachers of the Phthisiopulmonology and Radiology Department participate in the selection of clinical bases and industrial practice bases for residents, perform medical work at clinical bases, and carry out consultative and medical diagnostic work.

The Academy has developed a policy for the development of teaching staff; professional and pedagogical qualifications are being improved in accordance with the needs of teachers.

The head of the department participated as a visiting professor in Grodno State Medical University of the Republic of Belarus (online), teachers of the department participated in internal academic mobility (KazNMU, online).

EEC experts also note that, according to the results of interviews with teaching staff and residents, analysis of the content of working curricula and attendance at the department (clinical analysis of a patient with a clinical mentor), traditional teaching and learning methods prevail in the educational process: analysis of clinical situations, curation of patients under the supervision of clinical mentors, night shifts. The assessment methods used do not allow to fully assess the competencies of students embedded in the EP.

Strengths/best practice

No strengths were identified for this standard.

WEC recommendations

1. Within the framework of the development program of the teaching staff of the Academy, to conduct advanced training for teachers of the department on the use of modern educational technologies for teaching and assessing knowledge in the academic process.

Conclusions of the EEC according to the criteria:

According to the standard "Teachers" educational programs 7R01105 "Hematology for adults", 7R01107 "Pulmonology for adults, children" and 7R01102 "Rheumatology for adults, children" There are 12 satisfactory positions, and 1 position suggests improvement.

6.6. Standard "Educational Resources"

Evidence

The Department of Phthisiopulmonology and Radiology is located at the clinical base of the Regional Center for Phthisiopulmonology, the Regional Clinical Hospital with two polyclinics, the Regional Children's Clinical Hospital, and City Hospital No. 2. To conduct the educational process, the department is provided with equipped classrooms. The premises meet sanitary and hygienic standards, fire safety. All medical organizations that are clinical bases operate on the basis of a state license for medical activities and are accredited. Training on the module "Adult Pulmonology" of residents is carried out in the conditions of primary medical and social care, consultative and diagnostic care, day hospital, round-the-clock hospital, emergency room, diagnostic department and intensive care unit,

Residents have the opportunity to learn how to work in a team with colleagues and other healthcare professionals.

In the process of working with patients in hospital departments, residents have the opportunity to:

- draw up medical documentation;
- participate in medical and diagnostic activities;
- to learn the skills of examining patients,
- appointment of a complex of laboratory tests;
- establishing a diagnosis and carrying out therapeutic measures;
- provide emergency assistance in the emergency room, during duty according to the schedule;
- provide emergency assistance in the emergency room, during duty according to the schedule;
- participate in joint tours of professors, associate professors, department heads;
- participate in the preparation and conduct of clinical, pathoanatomical conferences.

Practical skills are developed at clinical bases with modern facilities and equipment. Residents have full access to the material equipment of clinics and patients under the guidance and supervision of clinical mentors. Independent work of a resident (SRR) is aimed at mastering professional competencies: to be ready to effectively and efficiently provide medical care to the population, taking into account physical, psychological, social factors; solve patient problems and make decisions based on the principles of evidence-based medicine; be able to apply the scientific achievements of medicine; to introduce modern medical and diagnostic technologies in their professional activities; demonstrate appropriate communication skills, respecting the principles of medical ethics when communicating with the public, interacting with fellow social workers; apply the principles of management to the organization and implementation of medical care to the population; Possess teamwork and leadership skills; be able to teach others and improve their knowledge and skills throughout their professional activities. Within the framework of academic mobility, residents have the opportunity to gain knowledge and skills in republican research institutes and scientific centers in their specialty profile.

The compliance of the Academy's clinical facilities is analyzed based on the results of ongoing internal and external audits, by analyzing and evaluating portfolios, reports from residents and teaching staff, and intra-departmental control.

The Academy has a system of library and information support for basic educational programs in specialties and areas of training.

Information and library services for residents and faculty of the academy are provided by the library and information center, where a significant fund of educational, educational, methodical, scientific and reference literature, periodicals in all cycles of the studied disciplines is collected.

In the structure of the Library and Information Center there are 2 subscriptions, 3 book depositories, 7 reading rooms, a media library. The unified information and library fund is 541,346 copies, including 239,322 copies in the state language, 21,366 copies of all types and types of publications in a foreign language. The main part of the fund is educational literature, which has 386,177 copies, which is 71% of the total volume of the fund, including 193,803

copies in the state language. The fund of scientific literature is 155169 copies, including 45519 copies in the state language, and is represented by abstracts, monographs, dissertations, reference books and periodicals on the profile of each educational program.

The library of the Academy has an electronic catalog and databases that allow for a quick search for information. The library fund is presented in an electronic catalog available to users on the website <http://lib.ukma.kz> online 24 hours 7 days a week. The electronic catalog contains 69124 entries and consists of 8 bibliographic and full-text databases.

All information about providing access to electronic information services is available on-line on the library website. <http://lib.ukma.kz>.

The information resources of the Academy also include access to a constantly updated educational portal, which includes educational and methodological literature on the disciplines of specialties, training test programs, lecture courses and videos.

To meet the needs for educational, scientific information requests residents of the academy in the library organized access to various databases. The Computer Test Publishing Center (hereinafter - CTIC) with a total area of 326.2 sq.m., located in the main building, has five computer classes and a printing house. The Academy conducts video monitoring of the educational process. A fiber-optic communication line has been laid, it is possible to conduct audio and video conferences, uninterrupted coverage of WI-FI educational buildings with an Internet speed of 600 Mbps has been provided.

The computers are united in a single local network and have access to the Academy's corporate data transfer network, the Academy's website and the Internet. All workstations have packages of applied programs and software and technological complexes for educational purposes.

To ensure the interaction of all types of activities in the Academy, a single internal local network was created, SIP-telephony was carried out for departments and departments. All computers of the Academy are united in a single local network, an electronic document management system "Documentolog" has been introduced.

To ensure the implementation of the training program for residents, laboratories and study rooms are allocated at the departments, which are at the full disposal of residents for independent educational and research work, equipped with the necessary furniture and office equipment.

The official website of the Academy www.edu.skma.kz is functioning <http://ukma.kz/>, where educational resources are available for teaching staff, students and other interested parties, information about structural divisions is posted, and major events in the life of the Academy are highlighted. For each division within the portal, a separate blog has been created to post current information. The corporate portal contains common documents for all employees of the Academy.

To provide interactive television, teleconferences, as well as audio and video conferences, there are LCD TVs located in classrooms and halls in order to inform the teaching staff and students.

In accordance with the program 03-109 of the Ministry of Health of the Republic of Kazakhstan "Creation of educational and clinical centers at state medical academies", the Academy currently operates a clinical and genetic laboratory "South clinical & Genetic laboratory", created by combining the Research Laboratory of Genomic Research and Clinical diagnostic laboratory. The laboratory is intended for scientific and clinical research by staff and students.

The laboratory has a license for laboratory activities No. 0012397DH dated January 13, 2013, April 6, 2018 No. 0111250DX). The laboratory has the ability to enter research data into the KIIS Damed information system from July 27, 2021 (an agreement has been drawn up with a student clinic).

Conducting research work by residents allows to consolidate the acquired theoretical knowledge, practical skills and use their creative potential for further solving urgent healthcare problems.

Residents in the specialty "Pulmonology for adults, children" perform scientific research under the guidance of the teaching staff of the department.

Analytical part

EEC experts state that, within the framework of the standard "Educational Resources" for the OP "Pulmonology for adults, children", during the work of the expert commission and the analysis of the submitted documentation, it was revealed, in general, compliance with the requirements of the standard.

EEC members note that the Academy provides the necessary resources for the successful implementation of the EP "Adult and Pediatric Pulmonology", including a sufficient number of educational and clinical facilities, long-term contractual relationships with medical organizations in the Turkestan region and the city of Shymkent.

The Academy is actively working to provide teachers and students with information resources, expanding the base for scientific research. Attention is paid to ensuring the development of practical skills, taking into account the safety of patients, and the possibilities of using simulation technologies in the CPN are expanding.

All clinical bases of the Phthisiopulmonology and Radiology Department are equipped with modern equipment, which is actively used in the educational process.

Based on the results of interviews with teaching staff teaching disciplines in the specialty "Adult and Pediatric Pulmonology", with students, experts of the EEC, the need for assistance from the Academy administration to conduct research in the field of medical education and implement programs of external and internal academic mobility (incoming and outgoing) was revealed.

Strengths/best practice

1. Solidary responsibility of the Academy and organizations of practical health care for the quality of training of specialists.
2. Access to medical practice and the latest professional literature.

WEC recommendations:

1. The leadership of the Academy to stimulate research in the field of medical education.

Conclusions of the EEC according to the criteria:

According to the standard "Educational Resources" educational programs 7R01105 Adult Hematology, 7R01107 Adult Pediatric Pulmonology and 7R01102 Adult Pediatric Rheumatology have 1 strong and 10 satisfactory positions.

6.7. Standard "Evaluation of educational programs"

Evidence

As part of the overall system for monitoring the quality of education, which consists of:

- assessment of the management of the EP (organization of the educational process, qualification of the teaching staff, monitoring the level of achievement of the goals of the program);
- implementation of the EP (curriculum, work programs of disciplines, methodological and information support, infrastructure, educational technologies, research and development);
- results of the EP (intermediate certification, final certification, employment of graduates).

Monitoring and evaluation of the EP is carried out at the level of the department, the Committee for Educational Programs, the QMS department, the VVKK, the residency department, the dean's office of internship and employment (general monitoring of the quality of

educational programs through a survey of stakeholders (employers, professional associations and residents).

Based on monitoring the implementation of the educational program when problems are identified, the CEP discusses the needs for changing and supplementing the EP, forming and supplementing the catalog of elective disciplines, questions about [organization of methodological work](#), use of active teaching methods.

With the profile CEP, there is a working group on educational programs that checks the project of the EP, its compliance with the current State Educational Standard, after which it is coordinated with stakeholders (employers, professional associations and residents). Subsequently, the EP is discussed at the Scientific and Clinical Council and approved by the Academic Council of the Academy.

Independent monitoring of the achievement of the final learning outcomes is carried out by examining graduates of the EP by the National Center for Independent Examinations (NCNE), and surveying employers. This procedure is carried out annually, after which changes are made to the EP, disciplines are introduced into the catalog of elective disciplines (QED), which make it possible to enhance the achievement of the expected final RO.

The Academy has developed a system for evaluating educational programs, which provides for the evaluation of programs at the stages of planning, implementation, analysis of results and implementation of changes, which makes it possible to monitor the process of implementing an educational program and the progress of residents.

The educational program is coordinated with representatives of the labor market and approved by the Academic Council.

The successful development of mutual relations between program developers and employers continues through:

- increase in the number of disciplines at the request of employers, which are entered into the catalog of elective disciplines;
- regular involvement of employers and practitioners in the development and discussion of educational programs, including the expected learning outcomes;
- involvement of employers, as mentors, in conducting classes, including on the basis of department branches.

Every year, the need for practical health care in specialists is taken into account at the request of health departments, which are accumulated in the residency department and transferred to the Dean's Office of Internship and Employment, discussed with specialized departments. Every year, based on the results of discussions at round tables held by the Academy and meetings with employers, organized by departments, proposals are made to change the EP.

The process of improving the EP is implemented through a profile CEP, which includes groups of experts on various issues of the educational process (monitoring of the educational process, development of educational programs, development of CIS, interactive teaching methods, a group on language competence, publishing), based on the results of a survey of residents, teaching staff, employers.

In view of the fact that at present one of the most important conditions for the successful operation of the Academy is its focus on the consumer (residents). The main goal of this orientation is to achieve his satisfaction. This determines the purpose of the ongoing monitoring of the residents' perception of the conditions of training, a survey of consumer opinions, and consumer data on the quality of services provided. When teaching residents, 60% of teachers use almost all teaching methods. 80% of residents rated the clinical training at the Academy as "excellent". 100% of residents are satisfied with the way they are trained at clinical sites. In terms of the availability of information resources, 80% of residents fully agree that the Academy's library provides them with the necessary educational literature. At the same time, 100% use the Internet for self-training.

Decisions of collegiate bodies are published on the website of the Academy. The results of the discussion of the EP at the KOP are brought to the teaching staff of the Academy.

Analytical part

The members of the EEC, after analyzing the submitted documents, came to the conclusion that both structural and collegiate management bodies and all interested parties are involved in the evaluation of educational programs at the Academy. Changes to the EP are made when problems arise in its implementation, or upon receipt of any proposals from stakeholders.

At the same time, the Academy needs to introduce constant monitoring and periodic evaluation of educational programs. It is necessary to revise the educational program, in accordance with the latest scientific achievements, the changing needs of society, the workload and progress of residents, the effective procedure for assessing students, the expectations of the needs and satisfaction of residents, the educational environment and support services and their compliance with the goals of the program, in order to ensure effective implementation and creation favorable learning environment for residents.

Strengths/best practice

No strengths were identified for this standard.

WEC recommendations:

1. Develop and implement a system for monitoring educational programs based on the requirements of international standards for internal quality assurance. Deadline September 2022

Conclusions of the EEC according to the criteria:

According to the standard "Evaluation of educational programs" educational programs 7R01105 Adult Hematology, 7R01107 Adult Pediatric Pulmonology and 7R01102 Adult Pediatric Rheumatology have 3 satisfactory positions and 1 position suggesting improvement.

6.8. Standard "Management and Administration"***Evidence***

To ensure the implementation of the Development Strategy of the Academy on educational, research and innovation activities, a residency department was created.

The main tasks of the residency department are:

- coordination of educational, research and innovation activities of residents;
- planning and organization of educational activities for postgraduate education programs;
- organization and monitoring of postgraduate education (residency);

The powers of the residency department are determined by the job descriptions of its employees. <https://ukma.kz/ru/obrazovatelnyj-protsess/obrazovatelnye-programmy.html> <https://ukma.kz/ru/obrazovatelnyj-protsess/obrazovatelnye-programmy.html>

The residency department is responsible for the direct organization and support of the educational process of residents, control of the educational and methodological support of educational programs, implementation of a model of medical education based on a competency-based approach and resident-centered education.

The organization of the educational process at the Academy is regulated by the working curriculum for specialties, the academic calendar, the schedule of training sessions and the IEP of the resident. The assessment of the organization of training in the departments is carried out through systematic control by the residency department and the Registrar's Office.

The main structural unit responsible for the implementation of the educational program and the achievement of the final results of the EP "Adult and Children's Pulmonology" is the Department of Phthisiopulmonology and Radiology. The department annually submits applications to the university administration for the need for material resources, educational

literature, advanced training of teaching staff, academic mobility of teaching staff and residents to ensure the implementation of the EP and achieve the mission. The department independently plans teaching and learning methods, assessing residency students with subsequent approval for the COP.

The Academy adopted the Policy in the field of quality, which defines the main activities aimed at the development of all forms of activity of the SKMA.

In order to ensure the organization of the activities of the Academy and the training of personnel for the needs of the labor market, since 2005 the Academy has introduced and operates a quality management system. Until 2011, the QMS was certified by NQA Russia No. 21225. In June 2011, the QMS department organized an external audit of the Academy by representatives of SGS. As a result of the audit, the activities of the Academy were assessed as meeting the requirements of ISO 9001 with the issuance of an international certificate. Since 2018, the certification of the activities of the SKMA for compliance with the requirements of the international standard ISO 9001:2015 has been carried out by the Russian company Certification Association Russian Register.

Training seminars are held annually for managers and specialists of the Academy, aimed at in-depth study of the requirements of the ISO 9001:2015 standard.

An internal audit conducted annually at the Academy in accordance with the requirements of the internal document "ST 044/020-2021. Internal checks", developed according to the standards "ISO 9001:2015. Quality management systems. Requirements" and "ISO 19001:2011. Guidelines for the audit of management systems", allow for a comprehensive analysis of the activities of the Academy and contribute to the adoption of strategic decisions.

One of the most important activities of the Academy is the understanding and satisfaction of the needs and expectations of its customers on a regular basis by the administration of the Academy, departments, department of the quality management system. Methods for obtaining information from consumers - conducting interviews, questionnaires, studying complaints and recommendations. In order to maintain feedback with consumers, the Academy has a process of collecting feedback from medical and pharmaceutical organizations that have provided jobs for graduates of the Academy. The process of identifying the level of satisfaction of medical and pharmaceutical organizations that have provided work for graduates of the Academy takes place by requesting a written review-characteristics about the activities of graduates.

As part of the specialized accreditation in 2021 (7OP), a self-assessment was carried out in the residency for compliance with the IAAR Standards.

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

The main goal of the financial and economic service is to achieve sustainable success of the Academy based on a systematic approach to assessing and improving the efficiency of the internal control system, a process approach to quality management and continuous improvement in accordance with the requirements of domestic and international standards. Determining the financial and economic policy and management structure of the Academy is the responsibility of the first head.

The budget of the Academy is formed from several sources: the republican budget (the state order for the training of postgraduate education, advanced training of medical workers, the development of scientific research, transfers); local budget; provision of paid educational and other services.

The residency program is carried out on the basis of the state educational order at the expense of 006 RBP "Training specialists with higher, postgraduate education and providing social support to students" and on a paid basis.

Financing of the residency program depends on the formation of the annual state order. Every year, the Decree of the Government of the Republic of Kazakhstan approves the state educational order for the training of specialists with higher and postgraduate education, in

accordance with which the funding of residency programs is determined by types of educational institutions. In accordance with the methodological recommendations "Planning the costs of training personnel with higher and postgraduate medical and pharmaceutical education" by order of the Minister of Health and Social Development of the Republic of Kazakhstan dated April 08, 2015, a financial and economic calculation of the cost of training a resident is carried out within the framework of the state educational order, rational use of funds ,

At the expense of the 006 republican budget program in 2017-2020, more than 120 items of educational literature were purchased, and simulation equipment was purchased. The financial activities of the Academy are also periodically reviewed at meetings of the budget and tariff commissions. The amount of financial resources allocated for the implementation of educational programs is sufficient, appropriate material and technical equipment, scientific and educational laboratory facilities, development of information networks, wage fund are provided.

Analytical part

During the implementation of the EP "Adult and Pediatric Pulmonology", the staff of the Academy is guided by internal regulatory legal acts, orders and instructions of the rector, orders of vice-rectors in the relevant areas within their competence, quality management procedures, as well as orders of the heads of structural divisions.

The rector, vice-rectors and heads of structural subdivisions of the Academy bear administrative responsibility for the decisions made and the results of their implementation. The relationship between the participants in the educational process is regulated by the Charter of the university, the "Internal Rules of the SKMA" and other internal regulatory documents.

The members of the EEC state that the residency department coordinates the process of developing the EP, organizes the educational process, monitors the implementation of working curricula and ensures quality control of the training of residents, participates in the development of the schedule of training sessions and monitors the readiness of the departments for the beginning of the academic year. The residency department, within its competence, provides advice and support to students.

Profiling Department of Phthisiopulmonology and Radiology, responsible for the development and implementation EP "Pulmonology for adults, children", training of residents and achieving the final results of training is empowered to plan and implement the EP.

Educational resources at the university are distributed in accordance with the needs of educational programs, taking into account strategic directions and priorities.

According to the results of interviews with teaching staff and residents, members of the EEC found that the vast majority of respondents are satisfied with the activities of the top management of the academy and the residency department.

Strengths/best practice

No strengths were identified for this standard.

WEC recommendations

There are no recommendations for this standard.

Conclusions of the EEC according to the criteria:

According to the standard "Management and Administration" educational programs 7R01105 Adult Hematology, 7R01107 Adult Pediatric Pulmonology and 7R01102 Adult Pediatric Rheumatology have 5 satisfactory positions.

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

Mission and Deliverables Standard

No strengths were identified for this standard.

Standard "Educational program"

The strong point is the orientation of the Department of Phthisiopulmonology and Radiology to practice in the preparation of residents under the program 7R01107 "Pulmonology for adults, children", ensuring the personal participation of students in the provision of medical care and responsibility for patient care.

Standard "Policy for assessing residency students"

No strengths were identified for this standard.

Standard "Students of residency"

No strengths were identified for this standard.

Standard "Teachers"

No strengths were identified for this standard.

Standard "Educational Resources"

1. Joint and several responsibility of the Academy and practical health care for the quality of training of specialists.
2. Access to medical practice and the latest professional literature.

Standard "Evaluation of educational programs"

No strengths were identified for this standard.

Standard "Management and Administration"

No strengths were identified for this standard.

(VIII) OVERVIEW RECOMMENDATIONS FOR IMPROVING QUALITY

Mission and Deliverables Standard

1. Develop and implement at the Academy a Policy for ensuring the quality of residency educational programs related to the strategic goals of the university. Deadline September 2022
2. Develop and implement an internal quality management system for residency educational programs for the purpose of timely assessment, analysis, improvement of their development and implementation to ensure the quality of education. Deadline until December 2022

Standard "Educational program"

There are no recommendations.

Standard "Policy for assessing residency students"

1. The leaders of the EP are recommended to revise the system of assessing students with the inclusion of modern methods and forms of assessment, taking into account their applicability and effectiveness in relation to the established learning outcomes. Term 2022-2023 year.
2. EP managers are encouraged to document the reliability and validity of assessment methods on an ongoing basis.

3. The leaders of the EP are recommended to develop new principles for assessing the practical training of students that promote integrated and interprofessional learning. Deadline until September 2022

Standard "Teachers"

1. Within the framework of the development program of the teaching staff of the Academy, to conduct advanced training for teachers of the department on the use of modern educational technologies for teaching and assessing knowledge in the academic process.

Standard "Educational Resources"

There are no recommendations.

Standard "Evaluation of the educational program"

1. Develop and implement a system for monitoring the educational program based on the requirements of international standards for internal quality assurance. Deadline September 2022

Standard "Management and Administration"

There are no recommendations.

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

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