



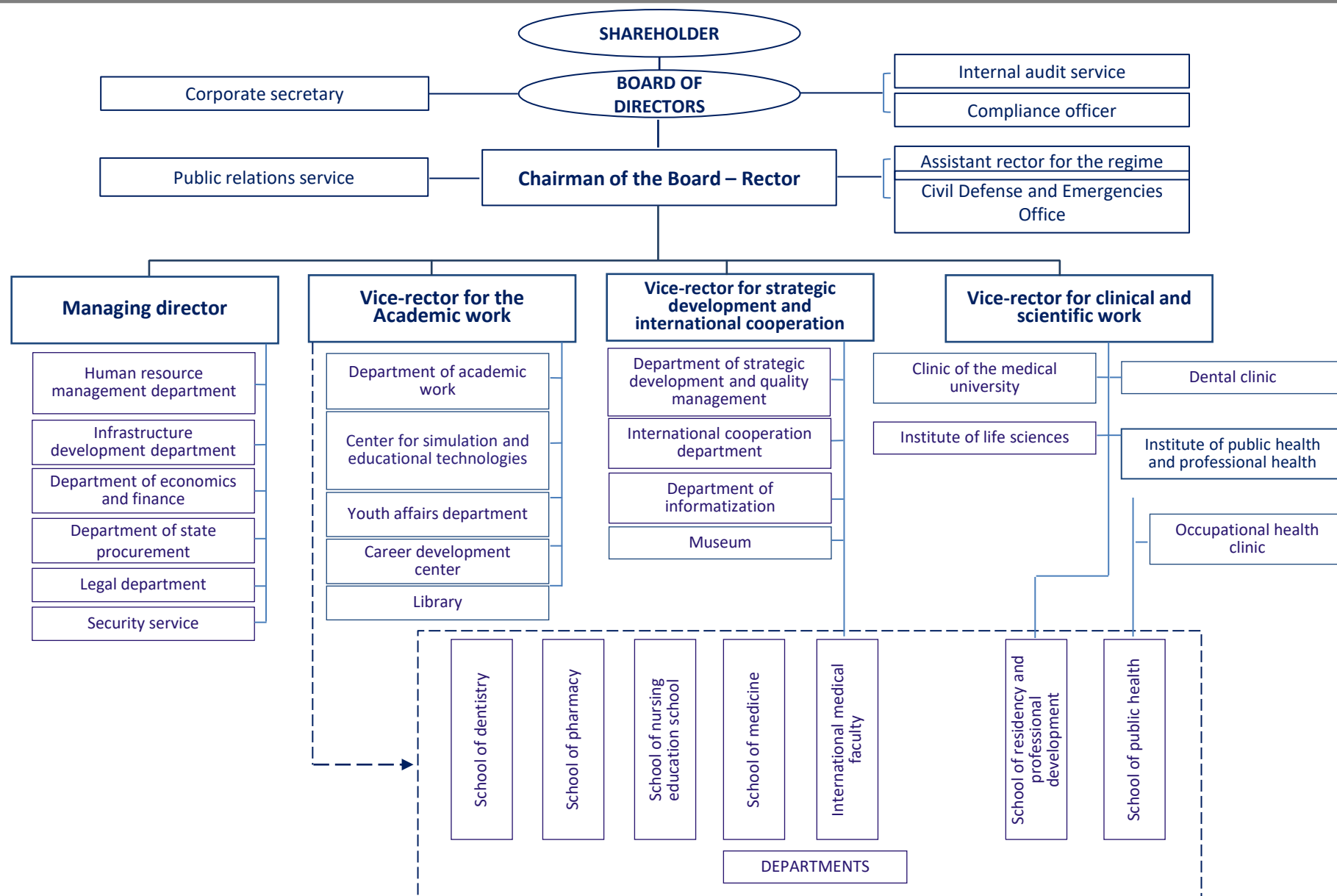
ANNUAL REPORT

Medical University of Karaganda
NCJSC

for 2022



ORGANIZATIONAL STRUCTURE





UNIVERSITY INFRASTRUCTURE



<http://www.qmu.kz>



59 thousand followers

8 Training cases
31806,6 m²



6 Dormitories
2700 beds



450 565 copies
Library
1 394 m²



Center for
simulation and
educational
technologies
1300 m²



Collective
Laboratory
928 m²

**New dormitory
for 400 seats**



3
University Clinics



2
3 Dining room
Buffets



2
Recreation areas



Full access to electronic libraries for all
employees and students

Platform for conducting online written
exams (developed by the university)

Virtual Patient Web Application

Anti-plagiarism
system

Documentolog

Student Service Center

Electronic control
system
Document
management
The educational process
"Platon"

Corporate platform for online
meetings

Student Portal

Internal Employee Portal

Corporate Mail -
Outlook

SharePoint Corporate Portal

170 multimedia classrooms with
projectors and access to central
storage

Comprehensive medical
information system for 600 users

Wi-Fi speed 1000 Mbit/s
432 hall access points,
libraries and dormitories

21 physical servers
80 virtual servers
6 information repositories from HP
8 information repositories from Netapp

One Drive. Microsoft
Office 365 (storage+
mail+ Office package)





CONTINGENT OF STUDENTS



STUDENTS, pers.

7675



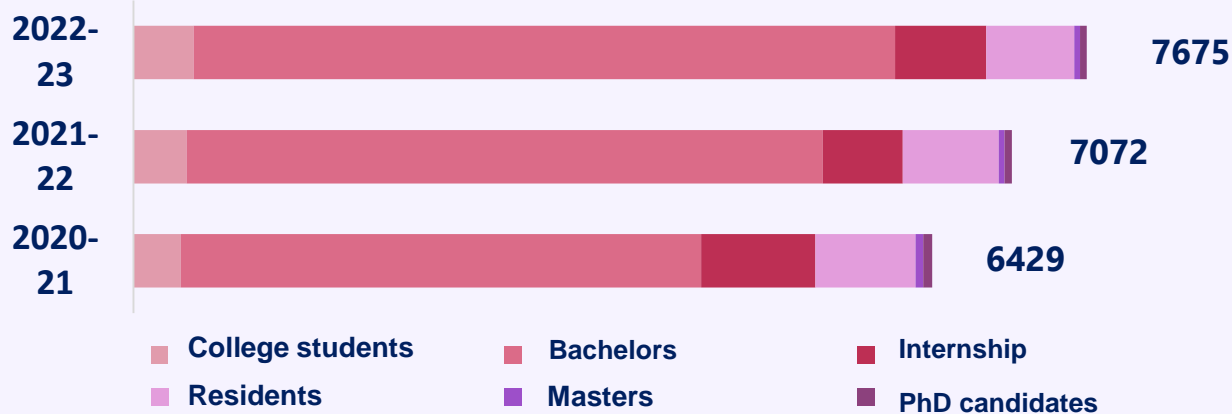
RECEPTION, pers.

2287



GRADUATION, pers.

1241

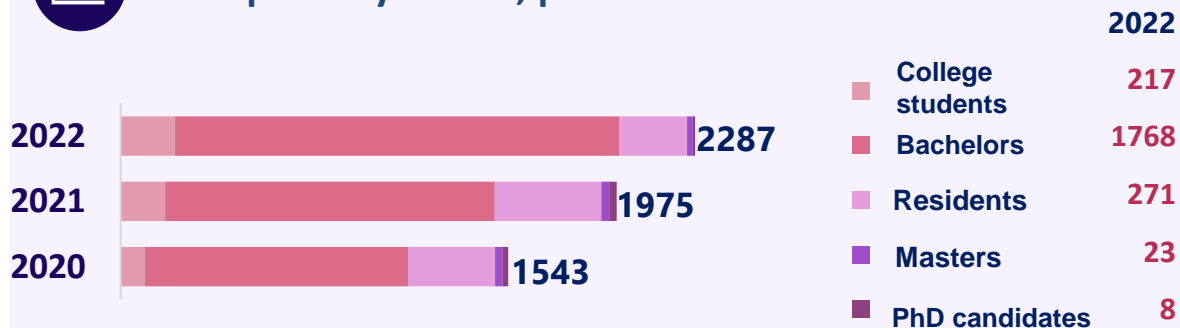


Contingent on 01.02.2023

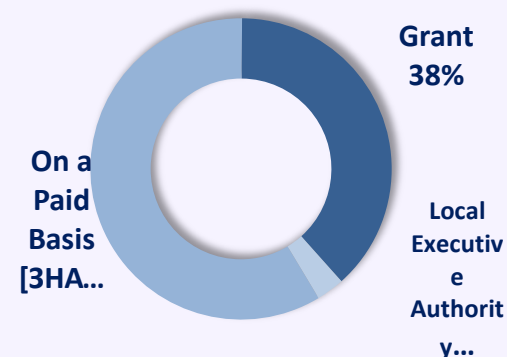
College students	484
Bachelors	6381
Masters	46
Residents	710
PhD candidates	54



Reception dynamics, pers.

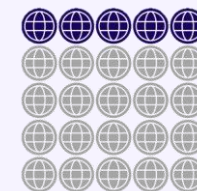


By type on financing



International Students

21%





EDUCATION

85

EDUCATIONAL PROGRAMS

Educational programs

	Total	Accredited	Accredited in 2022
	66	42	8
College students	7	5	
Bachelors	10	7	
Masters	11	6	3
PhD candidates	5	4	1
Residents	33	20	5

Independent examination

	Average score	The percentage of those who successfully passed, %
Residency programs	94	100
General Medicine	95	100
Dentistry	83	100
Public Health	76	100
Nursing	76	91,5
Pharmacy	81	96,2

97
%

EMPLOYMENT

Rating of EP of the National Chamber of Entrepreneurs "Atameken", 2022 position

Pharmacy	1
Public Health	2
Pharmaceutical production technology	2
General Medicine	3
Nursing	3
Dentistry	4

Implementation of integrated educational programs

General Medicine	6 years
Pediatrics	6 years
Dentistry	5 years

Qualification – Doctor
Academic Master's degree



THE SCIENCE

17

+3

H-Index «MUK» NCJSC

25

Research projects

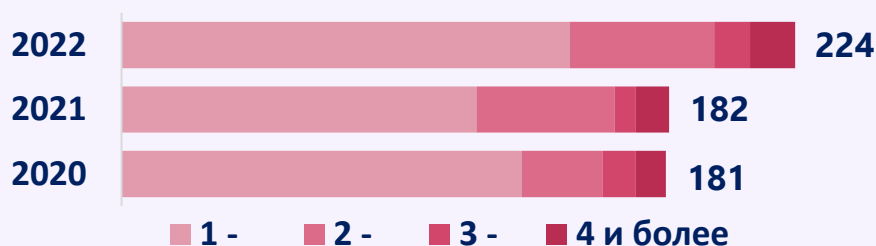
2,76

+0,87

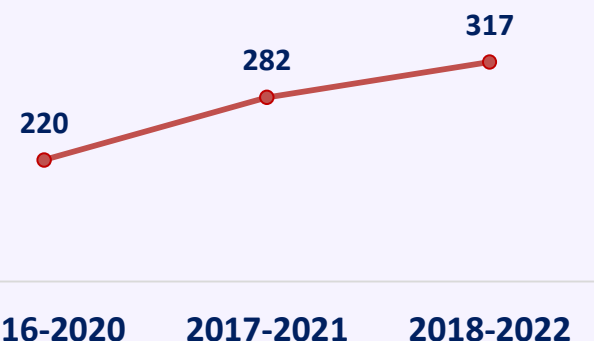
Average level of citation
of scientific articles
(Web of Science)

h

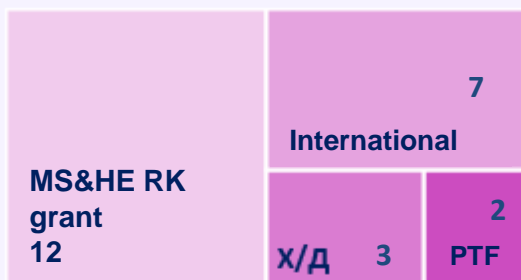
Research and teaching staff with the H-index,
people



Publications in Web of Science or Scopus journals
over the past 5 years, units.



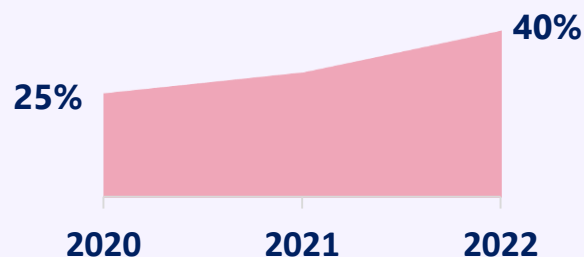
Research projects, units.



New projects- 8



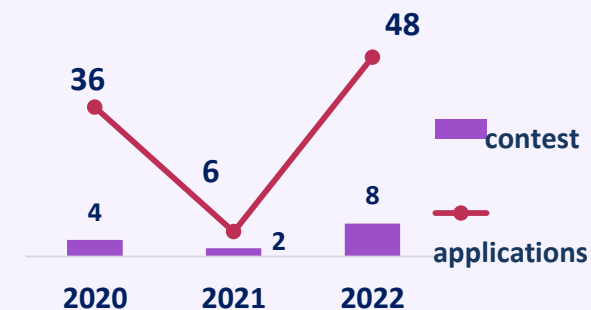
Teaching staff involved in
research activities



11 defenses of doctoral dissertations



Participation in competitions
for grant funding, number of
applications





HR - ANALYSIS

41
%

Academic degree

48
лет

**Average age of
teaching staff**

43
%

**+1 English speaking
employees under 45**



Number of staff

Teaching staff	625
Medical staff	214
Training and support staff	114
Administrative and managerial personnel	207
Service staff	196

Doctor of Sciences	46
Candidate of Sciences	138
PhD Doctors	39
Masters of Science	154
International recruiting	5

**The level of staff turnover of scientific,
pedagogical and medical personnel** **8%**

**Staffing of scientific, pedagogical and
medical personnel** **90%**

Professional development, people

RK	261
Neighboring countries	75
Far abroad	18



CLINICAL ACTIVITY

61

**Clinical bases
Karaganda region**

92
%

Patient satisfaction

77
%

**Teaching staff working within the
Guaranteed volume of free
medical care and Compulsory
social health insurance**

Clinics of “MUK” NCJSC

Medical University Clinic

Dental clinic

Occupational Health
Clinic

Types of medical care

Outpatient care

Consulting and diagnostic services

Inpatient replacement care

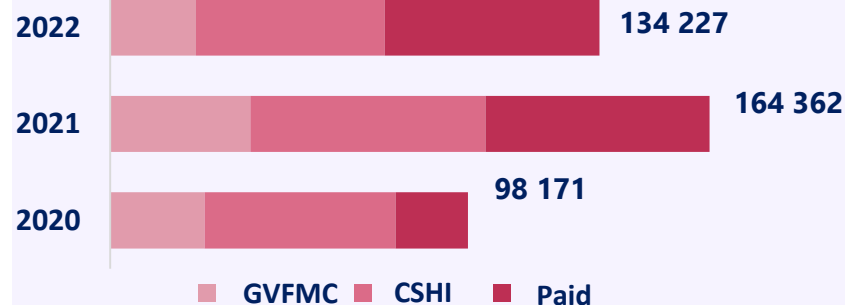
Inpatient care

Emergency trauma care

Pathoanatomic autopsy



Number of clinic services, units.

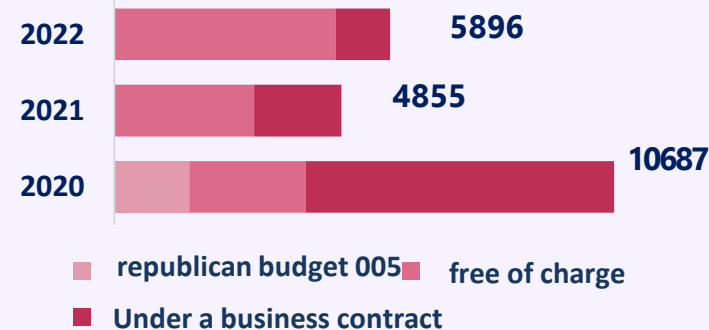


Teaching staff of clinical departments participate:

- In providing medical care to the population, including as part of a mobile medical complex
- In providing assistance to reduce maternal mortality (on the road)
- In the commissions of the Ministry of Health of the Republic of Kazakhstan for the examination of fatal cases
- In the working groups of the Department of the Committee of Medical and Pharmaceutical Control of the Ministry of Health of the Republic of Kazakhstan in the Karaganda region
- In expert groups, the Department of Healthcare of the Karaganda region
- In the Regional Headquarters for maternal mortality



Additional education, people





INTERNATIONAL COOPERATION

76

Partnership with
organizations

5
%

Academic mobility
of students

5

Erasmus+
International projects

Cooperation with partner universities of the countries		Lithuania	France	Turkey	Greece	Portugal	Romania	Czech	Latvia, Poland, Spain	Finland, Bulgaria, Italy, New Zealand	RF, Uzbekistan
Academic mobility	students of "MUK"										
	teachers of "MUK"										
Erasmus+ credit mobility programs	academic mobility of students										
	mobility of teaching staff and administrative and managerial personnel										
	application submitted										
Visiting Professor											
Development of Joint Master's Degree Programs Erasmus Mundus											



Academic mobility of students, pers.



Erasmus+ projects

1. BERNICA, 2022-2024
2. SPRING, 2019-2022
3. HARMONEE, 2020-2023
4. AcceLEd, 2020-2023
5. FOR21, 2020-2023



ACHIEVEMENTS OF STUDENTS

INTELLIGENT > 60 prizes

- Award "Best Volunteer year", "100 new faces of Kazakhstan"
- Holders of Presidential scholarships, scholarships of the Foundation named after Shakhmardana Yesenova;
- Olympic winners

STARTUPS 2 prizes

- A project for the manufacture of simulators for future surgeons;
- Production of 3D plaster models

CREATIVE > 10 prizes

- Republican, regional competitions
- "Talented youth of the Republic of Kazakhstan"
- XVI regional competition "Abai readings"...

SPORTS >70 prizes

- International, republican championships, tournaments, student league, sports contests, marathons...





COST STRUCTURE

Income 9 976 826,6 thousand tenge

Salary fund– 5 705 282

thousand tenge

Expenses for educational activities	Expenses for scientific activities	Clinical expenses
709 123,51	324 905,09	356 341,33
<ul style="list-style-type: none"> ▪ Educational literature ▪ Electronic databases ▪ Strategic partnership and attraction of foreign teaching staff ▪ Outsourcing of educational services ▪ Office equipment and software 	<ul style="list-style-type: none"> ▪ Travel expenses ▪ Reagents and Medical devices ▪ Organizational contributions ▪ Publication costs ▪ Expenses for the journal "Medicine and Ecology« ▪ Service, maintenance of fixed assets 	<ul style="list-style-type: none"> ▪ Medical equipment ▪ Medicines, medical devices, reagents ▪ Information systems ▪ Outsourcing of services to support the activities of clinics ▪ Service, maintenance of fixed assets
Expenses for students	Expenses for the teaching staff	Infrastructure maintenance costs
37 694,4	6 133,7	2 831 480,37
<ul style="list-style-type: none"> ▪ Academic mobility ▪ Internship and practice ▪ Participation in conferences and public events ▪ Rector's Scholarship 	<ul style="list-style-type: none"> ▪ Academic mobility ▪ Professional development 	<ul style="list-style-type: none"> ▪ Construction of a dormitory ▪ Municipal services ▪ Maintenance costs ▪ Current repair of academic buildings and dormitories



TARGET INDICATORS OF THE DEVELOPMENT PROGRAM

No	Target indicators	Plan, 2022	Fact, 2022	Plan, 2023
Task 1. Integration of Education and Science				
1	The ratio of the number of scientific articles published over the past five years in international rating journals indexed by Web of Science or Scopus to the number of production staff (ratio)	1:5	1:3	1:5
2	Average citation of scientific articles published in international ranking journals indexed by Web of Science or Scopus (unit)	1	2,3	1,1
3	Number of education programs developed with strategic partners (unit)	7	7	8
Task 2. Development of Science and Innovation Infrastructure of the University				
4	Total number of research projects (unit)	30	25	30
5	Number of Kazakh patents obtained (unit)	5	1	5
6	Number of international patents obtained (unit)	1	-	1
7	Number of research projects in the Shared Laboratory (unit)	7	7	8
8	Number of projects to commercialize the results of scientific and (or) scientific and technical activities (unit)	2	-	3
9	Number of start-ups created on the basis of projects of the University and its organizations (unit)	2	2	3
Task 3. Professional Development of Teaching Staff				
10	Share of professors involved in research (%)	at least 40	40	at least 50
11	Number of post-doctoral students (unit)	3	6	5
12	Share of professors and teaching staff trained on the basis of leading foreign scientific organizations (scientific institutes) (%)	at least 15	15	at least 15
Task 4. Expanding the Partnership and International Recognition of the University				
13	Number of international projects (unit)	at least 5	6	at least 5
14	The position of the university in the ranking of the best universities by QS (by Subject) (Позиция в рейтинге)	500+	-	450+



KEY INDICATORS OF THE DEVELOPMENT PLAN

	Key indicators	Plan, 2022	Fact, 2022	Plan, 2023
The final indicator	Share of graduates of higher education institutions, trained on the state educational order, employed or enrolled on the next level of study in the first year after graduation, (%)	97	97	98
	Average index of Hirsch scientific and pedagogical workers based on the Web of Science or Scopus, (Index)	0,44	0,5	0,48
	Rate of justified requests for quality of health services, (Unit, no more than)	2	0,5	2
	Percentage of female heads of structural divisions, (%)	-	-	61
Task	Quality indicators			
Excellence in education and student life	Percentage of residency graduates who passed the independent examination on the first occasion, (%)	91	100	92
	Share of foreign students in total enrollment in undergraduate programs, (%)	19	21	20
Leadership in research	The ratio of the number of articles published in the last five years in international rating journals indexed by Web of Science or Scopus to the number of staff scientific and pedagogical workers, (ratio)	1:3	1:3	1:3
Assistance in the health system in strengthening and preserving health	Average level of patient satisfaction, (%)	80	95	82
	The proportion of surgical interventions using endovideosurgical technologies, (%)	88	89	90
	Share of teaching staff of clinical departments working within the framework of the Guaranteed volume of free medical care and Compulsory social health insurance, (%)	77	80	80



PLANS FOR 2023

Challenges	Decisions
Completion of the Development Program for 2019-2023	<input type="checkbox"/> Formation of a new Development program of "MUK" NCJSC for 2024-2028
Providing the necessary number of teaching staff for effective work	<input type="checkbox"/> Increasing the staffing of teaching staff through training and attracting qualified personnel <input type="checkbox"/> Opening of the doctoral program in Biological and related sciences
Wide involvement of teaching staff in scientific and public work	<input type="checkbox"/> Motivation of teaching staff through the introduction of a remuneration system based on the results of the implementation of an individual development plan <input type="checkbox"/> Gradual salary increase
Broad involvement of students in scientific and social work	<input type="checkbox"/> Implementation of the integrated GPA
A high proportion of students in need of a dormitory	<input type="checkbox"/> Commissioning of a 400-bed dormitory
Providing comfortable conditions for students' learning and self-development	<input type="checkbox"/> Opening of a new coworking center and collaboration areas
Increasing the recognition of the university in the educational and scientific space	<input type="checkbox"/> Rebranding of the journal "Medicine and Ecology" <input type="checkbox"/> Rebranding of the university's website
Transition from digitalization to digital transformation of the University's activities	<input type="checkbox"/> Comprehensive analysis of the need for digital services of students, teaching staff and administration <input type="checkbox"/> Development of the concept of university information systems from the standpoint of efficiency and data-based decision-making



MEDICAL UNIVERSITY OF KARAGANDA

Thank you for your attention!

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