



**I.K. AKHUNBAEV KYRGYZ STATE MEDICAL ACADEMY**

**Analytical report**

**According to the results of the assessment of satisfaction with the educational programs of students of the Faculty of Pediatrics of the I. K. Akhunbayev KSMA for the 2017-2018 academic year.**

The report was prepared by

the staff of the Department of Quality Management of Education

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## **LIST OF ABBREVIATIONS AND TERMS**

AVN- Software for electronic document management

HEI- Higher education institution

SES- State Educational Standard

KSMA- I. K. Akhunbayev Kyrgyz State Medical Academy

EC- Elective courses (elective courses)

OTMS - Organization and tactics of the medical service

IWS- Independent work of students.

## **INTRODUCTION**

In order to improve the quality of the educational process at KSMA and evaluate the curriculum in the specialty “Pediatrics” of the Faculty of Pediatrics , an assessment of students ' satisfaction with the quality of educational programs was conducted in the 2017-2018 year. This report presents the results of the assessment, conclusions and recommendations for improving the quality of the educational process at KSMA.

The presented results are aimed at improving the quality of the educational process in the KSMA and are primarily a tool for determining the areas of application of efforts for the development of KSMA, and should not be used as a tool for punishment.

This chapter presents the descriptive and analytical report on the results of a survey of students of the Faculty of PM, which was held from May 1 to May 19, 2018 among students of KSMA from the 1st to the 6th year at all faculties (Order of the Rector of KSMA for No. P-42 of 2.05.2018).

The purpose of the study is to assess the satisfaction of students of the Faculty of MPC with the quality of the educational program in the specialty of PM

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### **The main objectives of the study**

- assessment of the overall satisfaction of KSMA students with the quality of the educational program;
- determining the degree of student satisfaction with the curricula of various disciplines;

- formation the rating of the department on based of the result of the survey of students;
- develop of recommendations for improving the quality of the educational program and plan corrective and preventative activity.

**RESEARCH METHODOLOGY:** Evaluation method: a sociological survey using a specially developed questionnaire for the study of satisfaction and quality of disciplines (Appendix 1).

Rating scale: The assessment was made using the Likert scale (a question with a suggestion to indicate the degree of agreement or disagreement with a certain statement) for five possible answers:

1. I completely disagree
2. Disagree
3. I doubt it
4. I agree
5. I completely agree

The assessment of the degree of satisfaction of students was carried out, according to a summary assessment, calculated as the proportion of the sum of positive responses ("fully agree" and "agree"), from the maximum possible sum of responses.

In the summary assessment, the degree of student satisfaction of more than 80% was assessed as high, in the range from 50% to 80% - as average, less than 50% - as low.

For the convenience of processing the received data, the information input and processing were automated. As screen forms, we used the text of the questionnaires, directly created for the survey in the SEDM program with the help of the questionnaire editor. In addition, an additional program was developed for displaying reports in the form of graphical data. The survey was conducted on the bases of the Center for the Development of Clinical Skills and Knowledge Assessment, the electronic library and the Department of Physics, Mathematics, Computer Science and Computer Technology of KSMA.

Selection: two-stage-cluster. The sample was formed in

accordance with the requirements of the organization of sociological research. The percentage distribution of questionnaires among groups of students is calculated in accordance to the number of students of all faculties. A 95% confidence probability was chosen with a confidence interval (error) of  $\pm 4.9\%$ ;

Training courses	Number of students who took part in the survey
1-course	50
2- course	33
3- course	39
4- course	52
5- course	34
6-course	91

Total students	165
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According to the report generated in the AVN system in the electronic survey, 308 students took part. Students of all courses of the Faculty of Pediatrics took part in the evaluation of the curricula of various disciplines.

## **CHAPTER 1 ASSESSMENT OF STUDENTS ' SATISFACTION WITH THE QUALITY OF EDUCATIONAL PROGRAMS AT THE FACULTY OF PEDIATRICS**

When assessing the students ' satisfaction with the quality of the educational programs of the Faculty of Pediatrics , answers were received concerning the following aspects of quality in the context of individual disciplines:

1. The goals and objectives of the discipline were explained at the beginning of the course.
2. The division of the discipline into thematic sections was logical and consistent.
3. Lectures and practical tasks in the discipline corresponded to the set goals.
4. The content of the disciplines was clear.
5. At the end of the course, I received new theoretical knowledge that will help me in practice.
6. I am satisfied with the provision of methodological and educational literature on the discipline.
7. I am satisfied with the organization of independent work( IWS):
8. I believe that the final test exam in the discipline allows you to objectively evaluate the student's learning outcome.
9. I believe that the quality of training of specialists in the discipline is high

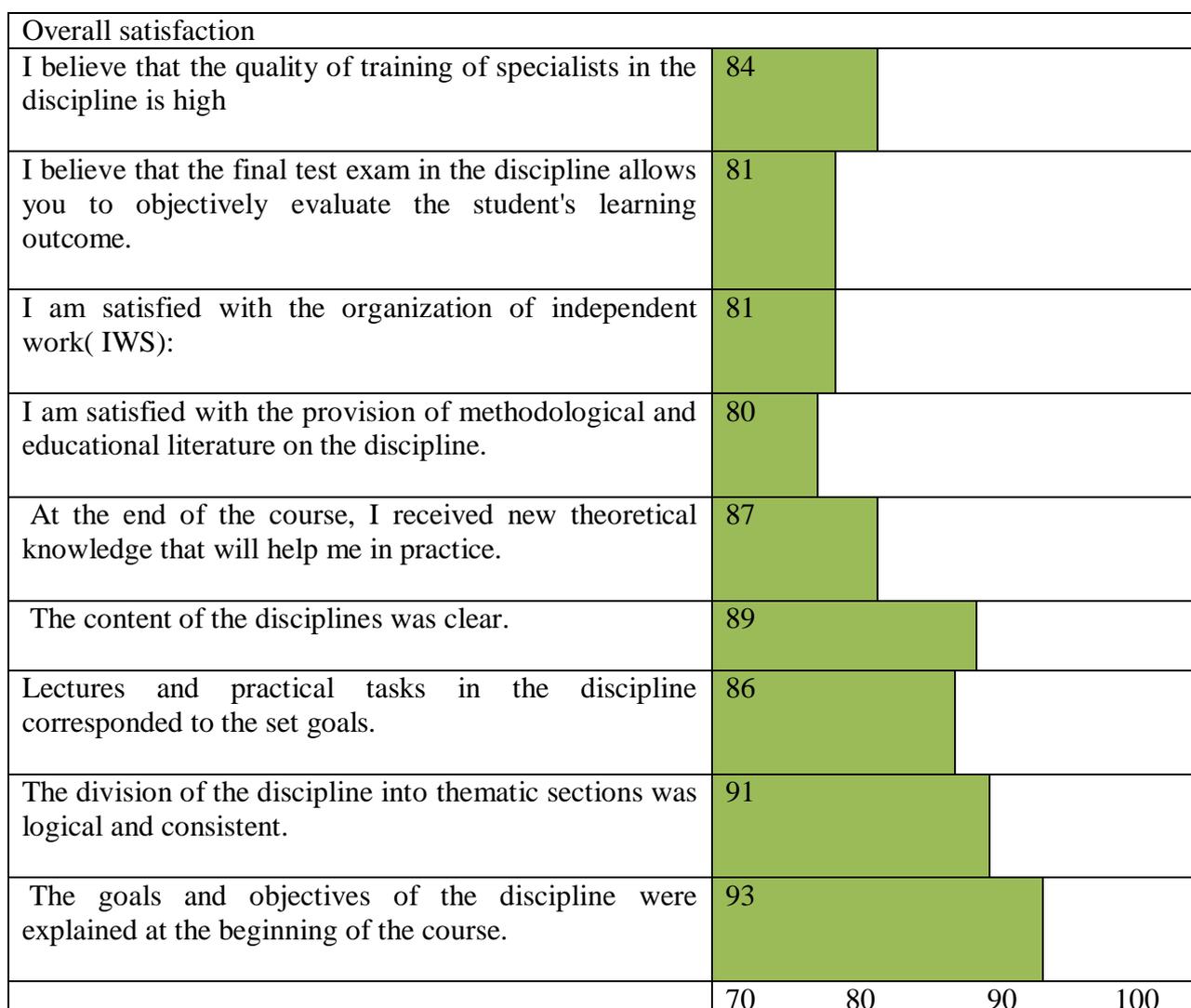
Figure 1 shows the average results obtained by adding the satisfaction index for the subjects studied by students of this faculty.

As can be seen from the figure, the average overall satisfaction of students of the Faculty of Pediatrics was 84%, which suggests that the satisfaction is high. At the same time, it should be pointed out that the explanation of the goals and objectives of the studied discipline, the significance of the competencies provided by it and the learning outcomes is estimated by students of this faculty at 91% (the highest indicator).

The majority of students of this faculty are satisfied with the logical and consistent division of the studied disciplines into thematic sections (91%). Also, the majority of students who participated in the survey believe that lectures and practical classes in their content corresponded to educational goals (86%).

Satisfaction with the clarity and accessibility of the material presented was 89 %, while the majority of students indicated that the theoretical knowledge they received helped them in practice (87%).

81% of the surveyed students are satisfied with the final control of knowledge and believe that it is objective and transparent. Also, high satisfaction with the quality of training of specialists at the faculty was noted (81%).



**Fig. 1. Results of the assessment of satisfaction of students of the Faculty of Pediatrics of the I. K. Akhunbayev KSMA with the quality of educational programs in the 2017-2018 academic year.**

The lowest were the indicators of satisfaction with the organization of independent work of students (IWS) (72 %) and the provision of students with educational and methodological literature (80%), while the latter indicator was less than 80% and is considered as the average satisfaction.

Table 1.

Indicators of satisfaction of students of the faculty of Pediatric for all 9 questions of the questionnaire and the ranking in the context of the disciplines , elective courses (EC) and study practices .

№	Name of the discipline	% Satisfaction	Rating
1	Biochemistry	100	1
2	Histology	100	1
3	Jurisprudence	100	1
4	Microbiology	97	2
5	Urology	97	2
6	Food hygiene 4 course	97	2
7	Fundamentals of forensic medicine	97	2
8	Psychology	97	2
9	Municipal hygiene 3 course	97	2
10	General hygiene	97	2
11	Occupational health 4 course	96	3
12	Physical education	96	3
13	Hygiene of children 3course	96	3
14	Military hygiene (MH)	95	3
15	Radiation hygiene 4course	95	3
16	Hygiene of children 4course	95	3
17	Ophthalmology	94	4
18	Normal anatomy	94	4
19	Manas study	94	4
20	Biology with the basics of ecology	94	4
21	Chemistry	94	4
22	Surgical diseases	93	5
23	Municipal hygiene 4 course	93	5
24	Radiation hygiene 5course 5	93	5
25	Phthisiology	92	6
26	Foreign language	92	6
27	Children's diseases	92	6
28	Bioethics	92	6
29	Math	91	7
30	MMT-MA	91	7
31	Occupational medicine 5 course	91	7
32	Russian language 1 course	91	7
33	EC 4k	91	7
34	Traumatology and orthopedics	80	8
35	Medical supervision and physical therapy	88	9
36	Philosophy	87	10
37	Children's diseases (hospital pediatrics) 5-course	87	10
38	EC 4-course;	87	10
39	Otolaryngology	86	11
40	Sectional course	86	11
41	Children's diseases (neonatology)	86	11
42	Pediatric Surgery	85	12
43	Biochemistry	85	12
44	Bioethics	85	12
45	Infectious diseases	85	12

46	Obstetrics and Gynecology 5-course	85	12
47	General physical therapy	85	12
48	EC 1-course	84	13
49	Obstetrics and pediatric gynecology 5- course	84	13
50	Kyrgyz language	84	13
51	Surgical and pediatric surgical diseases	84	13
52	Internal diseases 5-course	83	14
53	Internal diseases 2-course	83	14
54	EC 3-course	82	14
55	Children's intensive care and intensive care 6-course	82	14
56	Foreign language	81	15
57	Topographic anatomy	81	15
58	Russian history, history of medicine	81	15
59	Children's intensive care and intensive care 5-course	81	15
60	Polyclinic Pediatric surgery	80	16
61	EC 6-course	80	16
62	Assistant physician of the FDG	80	16
63	Mathematics	79	17
64	Physical education 2-course	79	17
65	Medical Genetics	79	17
66	EC-5th year	79	17
67	Obstetrics and Gynecology 4- course	78	18
68	Obstetrics and pediatric gynecology 4- course	78	18
69	Histology	77	19
70	Clinical pharmacology	77	19
71	MMT-MA	77	19
72	Hygiene of children and adolescents	76	20
73	Dentistry with pediatric dentistry	76	20
74	Pathanatomy	75	21
74	Obstetrics and Gynecology 2- course	75	21
75	Manas studies	75	21
76	Obstetrics and pediatric gynecology 2 course	74	22
77	PH	72	23
78	Obstetrics and pediatric gynecology 5- course	84	13
79	Kyrgyz language	84	13
80	Average satisfaction of the subjects	72	23
81	Computer science	72	23
82	Health economics	71	24
83	Pediatric urology	70	25
84	MMT-MA	68	26
85	Children's traumatology, orthopedics.	65	27
86	Histology 2-course	64	28
87	Epidemiology 5-course	64	28

88	Radiation therapy and diagnostics	47	29
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As shown in the table, the greatest satisfaction of the students caused subjects such as "First aid", "child psychiatry and narcology", "Childhood diseases (hospital Pediatrics) 4-course",

"Jurisprudence", "Russian language", "Physical education 1 course", "Propaedeutics of children's diseases", "infantile diseases (Pediatrics faculty) ".

The average level of satisfaction is noted in such disciplines as

"Mathematics", "Physical Education", "Medical Genetics", EC-5 course,

"Obstetrics and Gynecology", "Obstetrics and Pediatric Gynecology", " Histology»,

"Clinical pharmacology", "MMT-MA", "Hygiene of children and adolescents",

"Dentistry children's dentistry", "pathology",

"Manas study ", "PH", "Computer science", "Health economics",

"Pediatric urology", "MMT ", "Pediatric traumatology, Orthopaedics",

"Histology", "Epidemiology", "Radiation therapy and diagnostics".

The lowest satisfaction was noted in relation to the discipline

"Evidence-based medicine" - 47%, which is an indicator of low satisfaction.

A detailed analysis of the students ' satisfaction with the teaching of the discipline of national history and the history of medicine is presented in Figure 2. As can be seen from the figure, the lowest satisfaction in this discipline is marked by the availability of educational and methodological literature

(37% - low satisfaction).

<b>Evidence-based medicine</b>	
I believe that the quality of training of specialists in the discipline is high	47
I believe that the final test exam in the discipline allows you to objectively evaluate the student's learning outcome.	39
I am satisfied with the organization of independent work( IWS):	38
I am satisfied with the provision of methodological and educational literature on the discipline.	37
At the end of the course, I received new theoretical knowledge that will help me in practice.	51
The content of the disciplines was clear.	50

Lectures and practical tasks in the discipline corresponded to the set goals.	48
The division of the discipline into thematic sections was logical and consistent.	56
The goals and objectives of the discipline were explained at the beginning of the course.	60
	0 10 20 30 40 50 60 70

**Fig. 2. Results of the assessment of satisfaction of students of the Faculty of Pediatrics of the I. K. Akhunbayev KSMA with the quality of educational programs in the discipline of Evidence-based medicine in the 2017-2018 academic year.**

Thus, low satisfaction was noted in such aspects of the curriculum as the quality of lectures and practical classes, the consistency and consistency of the thematic sections of the discipline, the organization of independent work, while only 38% of respondents are satisfied with the quality of training specialists in this discipline.

#### **CONCLUSION:**

Thus, the conducted assessment of satisfaction of students of the Faculty of PEDIATRICS with the quality of educational programs showed:

1. In general, high satisfaction of students of the Faculty of Pediatrics with the quality of educational programs was noted at the level of 84%.
2. The lowest were the indicators of satisfaction with the provision of students with educational and methodological literature (80%) and the organization of independent work of students (IWS) (72%), they were 80% and less considered as borderline with the average and average satisfaction.
3. The lowest satisfaction was noted in the discipline of Evidence-based medicine - 47%.
4. Disciplines with an average level of satisfaction have a low level of satisfaction in certain indicators.

#### **RECOMMENDATIONS AND MEASURES FOR CORRECTION AND PREVENTION:**

1. EMD together with representatives of the department, the specialized EMC and the Library complex should pay attention the causes of low satisfaction with the discipline "Evidence-based Medicine" (satisfaction of 47%).

Questionnaire

#### **Appendix 1**

"Satisfaction of KSMA students with the quality of academic programs of disciplines"  
 (The survey is conducted anonymously).

Dear student! The presence of feedback is very important for studying the quality of teaching disciplines and modules at the I. K. Akhunbayev KSMA. In this questionnaire, we ask you to mark the answers that most correspond to your opinion.

1. General information:

- 1.1. Specify your gender
- 1.2. What kind of student are you?

Male. \_\_\_\_\_ Budget \_\_\_\_\_

Female. \_\_\_\_\_ Contract \_\_\_\_\_

- 1.3. Indicate the faculty in the dropdown list
- 1.4. Indicate the course dropdown list

2. Please rate the curriculum of the discipline  
 Choose the appropriate discipline:

Dropdown list

Evaluation of the discipline's curriculum	I completely disagree	I disagree	I doubt it	I agree	I completely agree
The goals and objectives of the discipline were explained at the beginning of the course.	1	2	3	4	5
The division of the discipline into thematic sections was logical and consistent	1	2	3	4	5
Lectures and practical tasks on the discipline corresponded to the set goals	1	2	3	4	5
The content of the disciplines was clear	1	2	3	4	5
At the end of the course, I received new theoretical knowledge that will help me in practice.	1	2	3	4	5
I am satisfied with the provision of methodological and educational literature on the discipline.	1	2	3	4	5
I am satisfied with the organization of independent work( SRS): explained and provided advice.	1	2	3	4	5
I believe that the final test exam in the discipline allows to objectively evaluate the student's learning outcome.	1	2	3	4	5
I believe that the quality of training of specialists in the discipline is high	1	2	3	4	5

Thank you so much for your participation!