

National Scientific and Practical Center of Children's Health
Moscow, Russian Federation

**Development and application of
European approaches to quality of healthcare
provided in the school system in Russia**

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The quality of healthcare for schoolchildren is the basis for the formation of a healthy lifestyle and protection of the health of the younger generation of the country.

School health services (SHS) provide a systematic approach to promote health, have broad opportunities to impact on children and adolescents' health and development.

The report from 2010 based on the results of a survey conducted by the World Health Organization (WHO), confirmed the availability of School health services in the Member States of the WHO European Region.

However, many of the challenges faced are common to countries throughout Europe:

- ✓ insufficient staff and training is often inadequate;
- ✓ the unclear definition of the position of the SHS within the wider health sector, and particularly education sector;
- ✓ an unclear separation of tasks and responsibilities between the school nurse, the school doctor and GPs/family doctors;
- ✓ the structure and content of School Health Services are not commensurate with schoolchildren's health needs;
- ✓ lack of research and evidence of the School Health Services efficiency.

This prompted the WHO Regional Office for Europe, in collaboration with European Union for School and University Health and Medicine to develop *European framework for quality standards in school health services and competences for school health professionals.*

The *European framework* allows individual countries to tailor it to their own specific needs



European framework for quality standards in school health services and competences for school health professionals

The *European framework for quality standards in school health services and competences for school health professionals* was presented to the Russian professional community at the forth Russian Congress for School and University Medicine with international participation.

It was decided to start developing the *Russian framework for quality standards in school health services and competences for school health professionals*.

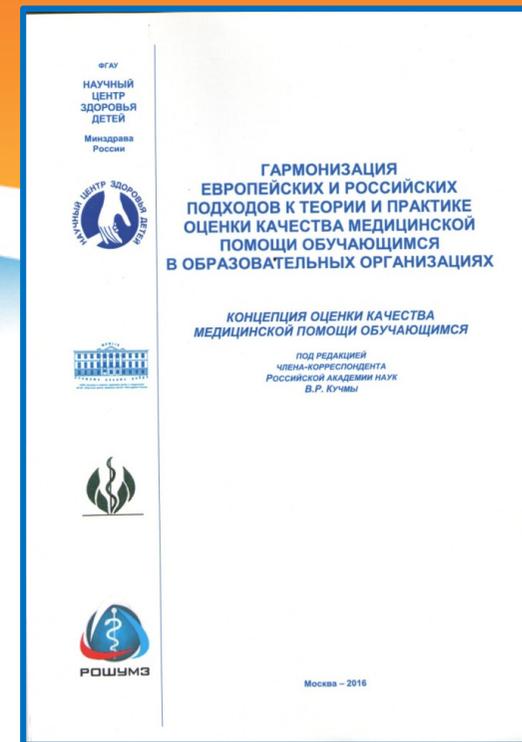


Vice President of EUSUHM
Henrique Sachse-Bonhof



St. Petersburg, 15-16th May, 2014

From 2014 to 2016 *European framework for quality standards in school health services and competences for school health professionals* was tailored for to be implemented on Russian grounds by the Russian Society of School and University Health and Medicine and developed the **MANUAL** containing the *Russian framework for quality standards in school health services and competences for school health professionals and Algorithm for the assessment of quality of healthcare provided to students.*

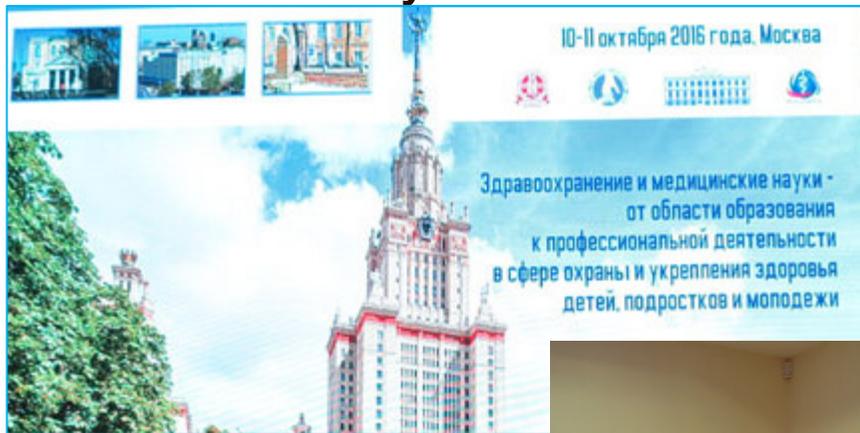


The Manual contains:

1. Russian framework for quality standards in school health services and competences for school health professionals:
 - 1.1 SHS standards
 - 1.2 Set of competences for school health professionals
2. Algorithm for the assessment of quality of healthcare provided to students

Russian framework for quality standards in school health services and competences for school health professionals

has been approved at the fifth National Congress for School and University Medicine with international participation.



Moscow, 10-11th October, 2016



Instead of recommending a specific way of organizing SHS, mandating a single process for dividing work among health professionals or creating a definitive set of quantitative standards, the *Russian framework* tailors to contemporary specific schoolchildren's health needs.

Russian framework complements an existing primary care system.

The **aim** of the *Russian framework* to support SHS managers and professionals to develop and maintain quality healthcare in educational settings.

The *Russian framework* is based on the School health services standards determining the desired or required level of healthcare quality.

SHS standards

The *Russian framework* comprises 7 SHS standards:

- availability of the normative framework,
- child- and adolescent-friendly health indicators, equity and accessibility,
- requirements to the school medical offices, its equipment,
- collaboration between school management, education staff, parents, children, medical community,
- professional requirements to SHS staff,
- minimum package of SHS services encompasses students' needs,
- safe storage and retrieval of individual health records system.

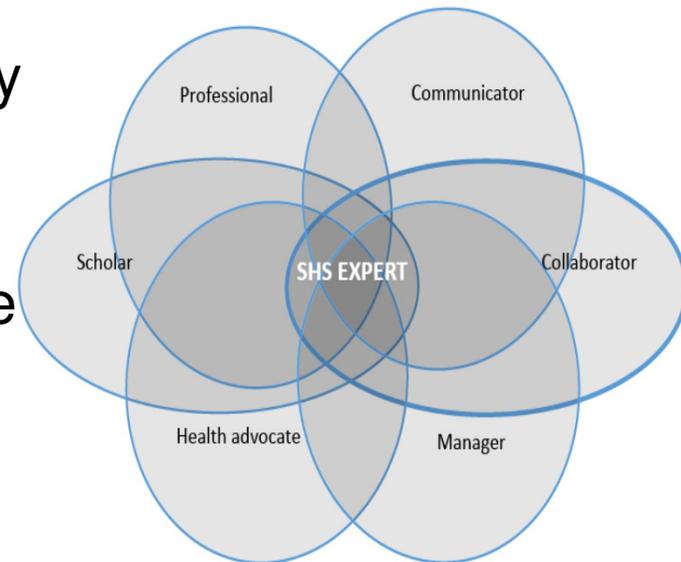
The school health professional takes the central place in the healthcare system.

The school health professionals competences are determined by the medical services provided and the technologies of the Russian School health services

Their main competences are determined by university training in the field of clinical medicine.

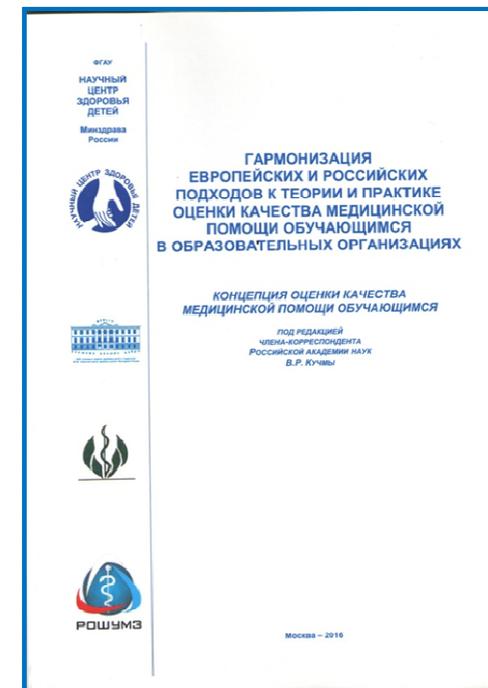
The medical competencies of SHS staff are complemented to ensure the rights of children in the process of healthcare in the educational settings, communication skills, information exchange with children, parents and teachers, collaboration with colleagues, planning and coordinating the organization of care for children and adolescents, health advocacy, research activities.

Competences for school health professionals



The *Russian framework* became the basis to develop the «Algorithm for the assessment of quality of healthcare provided to students».

The «Algorithm for the assessment of quality of healthcare provided to students» can be used by both medical organizations and educational settings.



PROTOCOL

Standard / Amount of criteria	Maximum score	Actual position in school setting
Standard 1 Availability of a regional normative framework in health and education includes 1 criterion	1	
Standard 2 SHS child- and parent-friendly health includes 23 criteria	23	
Standard 3 SHS facilities, equipment, staffing at a level no lower than the one recommended by the Ministry of Health of Russia includes 62 criteria	62	
Standard 4 Collaboration among SHS, teachers, school administration, parents and children include 18 criteria	18	
Standard 5 SHS staff have clearly defined job descriptions, adequate competences and a commitment to achieving SHS quality standards including 17 criteria	17	
Standard 6 A package of SHS services based on priority public health concerns is defined and supported by scientific, evidence-informed data covering both population and individual students' health needs include 24 criteria	24	
Standard 7 A data management system that facilitates the safe storage and retrieval of individual health records, monitoring of health trends, assessment of SHS quality including structure and activities and research include 6 criteria	6	

PROTOCOL

Standard	Mark
Standard 2 SHS child- and parent-friendly health	
2.1 Equity Health care is rendered by school health services, is provided to all students regardless of status	1
2.2 SHS staff treat all children and adolescent clients with equal care and respect, regardless of status.	1
.....	...
2.23 SHS have the necessary equipment, supplies and basic resources to deliver the services required.	0
	score → 1

1. To note the presence (1) or absence (0) of a particular criterion.
2. For each standard to determine the score depending on the number of criteria contained in the quality standard.

Score	Number of criteria contained in the quality standard
0	complete absence of relevant criteria
1	less than 1/4 of the criteria
2	from 1/4 to 3/4 of the criteria
3	3/4 or more criteria

PROTOCOL

Standard / Amount of criteria	Score
Standard 1 Availability of a regional normative framework in health and education includes 1 criterion	0
.....	...
Standard 7 A data management system that facilitates the safe storage and retrieval of individual health records, monitoring of health trends, assessment of SHS quality including structure and activities and research include 6 criteria .	1
Criteria score	9,5
Average criteria score	1,5

Average criteria score	Estimate of system of healthcare in the educational setting
< 1	healthcare system absence
1-1,5	requires prompt intervention and elimination of identified negative indicators
2 and more	plan work to improve the quality of healthcare

The algorithm assigns scores to each school to evaluate the healthcare system and suggests the possible intervention.

Assessment of the quality of healthcare provided to students in the educational settings

The **aim** is to assess the quality of healthcare provided to students in educational settings in different regions of the Russian Federation.

Methods.

The assessment of the quality of healthcare provided to students in the educational settings was carried out between February and December 2016 in 21 schools in four regions of the Russian Federation:

- Region 1 (in Moscow) - 2 schools;
- Region 2 (Moscow region) - 8 schools;
- Region 3 (Sverdlovsk region) - 10 schools;
- Region 4 (Novy Urengoy) - 1 school.

The results of assessing the quality of healthcare provided to students in the educational settings

Standard	Regions of the Russian Federation*				Average criteria score for all regions
	1	2	3	4	
Standard 1	0	0	3	0	0,75
Standard 2	2,5	2,6	2,75	2	2,47
Standard 3	2,5	2	2,75	2	2,32
Standard 4	2,5	2	2,8	2	2,33
Standard 5	2,5	2,3	2,5	1	2,08
Standard 6	3	2,5	2,5	2	2,5
Standard 7	1	1	1	1	1
Average criteria score for the region	2,0	1,92	2,48	1,43	1,93

*Region 1 (in Moscow) - 2 schools;

Region 2 (Moscow region) - 8 schools;

Region 3 (Sverdlovsk region) - 10 schools;

Region 4 (Novy Urengoy) - 1 school

Conclusion

The similarity of challenges in different regions of the Russian Federation testifies that it is necessary to develop overall strategy to overcome them, which should include ongoing professional training of school health professionals, the definition of the package of SHS services, the development of the material and technical base of SHS rooms and the strengthening of expert and analytical work in medical and pedagogical organizations.



Thank you for your attention!

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