

## ORGANIZATION OF HEALTHCARE, MEDICAL SCIENCE AND EDUCATION

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## PHYSICIAN RESOURCE COVERAGE OF CHILDREN AND ADOLESCENTS IN THE RS (YA)

### ABSTRACT

The article presents the analysis of the implementation of Priority national project «Health» in terms of training and retraining of medical personnel, upgrading the skills of pediatricians. Data on the physician resource coverage for 2000 and 2015 are given.

**Keywords:** pediatricians, neonatologists, physician resource coverage, Yakutia, children's population.

### INTRODUCTION

Priority national projects (PNP), proclaimed by the President of Russia V. V. Putin in 2005, organically intertwined into the existing social policy and create a solid framework for the implementation of the key state task of modernizing education, culture, health and science, and providing comfortable living conditions for the population.

14.10.2005 the expanded board of the Ministry of Health and Social Development of the Russian Federation «On the tasks for the implementation of the priority national project in the field of public health» was held. The goal of the PNP «Health» is defined as the improvement of the health status, the quality of life of people and the social well-being of society. PNP «Health» is aimed at increasing the accessibility, quality and effectiveness of medical care to the population, strengthening the material and technical base of primary health care and improving staffing.

The following tasks were set:

- Development of primary health care:
  - cash payments to general (family) doctors, district therapists, district pediatricians and nurses of general practitioners, district therapists, district pediatricians, taking into account the volume and quality of medical care provided;
  - training and retraining of general practitioners (family practice), district

therapists and pediatricians;

- equipping with diagnostic equipment outpatient clinics;
- vehicles with emergency medical care, including re-mobilizers.

• Preventive actions:

- carrying out of immunization of the population within the framework of the National calendar of vaccinations;
- detection and treatment of human immunodeficiency virus, hepatitis B and C infected with the virus;
- examination of newborn children;
- examination of the working population.

• Providing the population with high-tech medical care:

- increase in the volume of rendering high-tech assistance 4 times by 2008;
- the construction of centers for the replication of high medical technologies;

Implementation of the activities of the PNP «Health» since 2006 has begun to improve the quality of health services, the availability of medical care to the population, increase the salaries of medical workers, strengthen the material and technical base of health care facilities, upgrade the skills of health workers, expand the list of preventive measures, monitor health working population.

Implementation of the PNP «Health» in terms of training and retraining of medical personnel, raising the level of qualification of district pediatricians was implemented on the basis of the Far

Eastern State Medical University (FEFU), the Medical Institute of North Eastern Federal University (MINEFU). Within the framework of the project were trained:

2006 - 105 district pediatricians on the basis of FEFU, 60 on the basis of MI NEFU, 44 neonatologists;

2007 - 67 district pediatricians on the basis of FEFU, 34 on the basis of MI NEFU, 43 neonatologists;

2008 - 63 district pediatricians on the basis of FEFU;

2009 - 21 district pediatrician on the basis of FEFU, 39 neonatologists, 18 endocrinologists.

### MATERIALS AND METHODS

The analysis of the implementation of the Priority Project «Health» in terms of training and retraining of medical personnel, raising the level of qualification of district pediatricians. The analysis of the availability of pediatric medical personnel for the children's population for 2000-2015 was carried out.

### RESULTS

The quality of medical care for the children of the population largely depends on the staffing of pediatric staff. Availability of pediatricians in 2015. amounted to 16.5 per 10,000 children's population (RF-16.7), while in 2000, - 13.8. The availability of neonatologists by doctors in the Republic is 27.7 per 10000 population (RF-30.5) (2000-35.4). The provision of district pediatricians was 10.0 per 10000 population (2000-5.1, at

Table 1

The physician resource coverage of the children's population in the territory of the Republic of Sakha (Yakutia)  
(per 10 000 population of the corresponding age)

	2000	2005	2010	2011	2012	2013	2014	2015	РФ, 2015
Pediatric profile (per 10000 children's population) (according to F-17)	15,3	18,0	22,2	22,1	20,9	20,2	19,1	18,2	
Pediatricians (per 10000 children's population) (according to F-17)	13,8	16,1	19,9	19,8	18,6	17,9	17,2	16,5	16,7
By district pediatricians (per 10000 children's population) (according to f-30)	5,1	8,6	10,7	10,1	9,4	9,3	10,2	10,0	
Neonatologists (for 10,000 children under the age of 1 year) (according to F-17)	35,4	36,4	38,6	37,9	37,7	38,4	28,4	27,7	30,5

Table 2

Physical persons of doctors on the territory of the Republic of Sakha (Yakutia)

	2000	2005	2010	2011	2012	2013	2014	2015
Pediatric profile (according to-17)	463	499	557	555	531	516	493	476
Pediatricians (according to f. 17)	417	446	498	497	472	458	445	431
including district pediatricians (according to f. -30)	153	239	268	254	240	238	263	261
Neonatologists (according to-17)	46	53	59	58	59	58	48	45

the beginning of the PNP «Health 2005-8.6) (Table 1).

As shown in table 2 in the Republic of Sakha (Yakutia) in the pediatric service there is a positive dynamics in terms of the number of individuals working in the system, for example, pediatric specialists in 2015 -476 (2000-463), pediatricians -431 (2000-417), district pediatricians - 261 (2000 - 153), neonatologists - 45 (2000 - 46).

During the implementation of the PNP «Health», the level of certified and certified pediatricians increased (Table 3). The certificate of a specialist is 94.9% of pediatricians, the certificate of a

neonatologist is 96.8% of doctors.

### CONCLUSION

The quality of medical care, its accessibility and security is directly related to the provision of medical personnel. Undoubtedly, the fact that the implementation of federal programs increased the number of doctors of pediatricians and neonatologists in the healthcare system of the region, and also formed the basis for improving their qualifications.

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Table 3

Specific weight of certified pediatric physicians on the territory of the Republic of Sakha (Yakutia)

		2000	2005	2010	2015
pediatricians	Category	52,0	49,8	51,8	55,9
	Certificate	54,4	82,3	97,6	98,8
neonatologists	Category	37,0	60,4	71,2	68,9
	Certificate	47,8	84,9	100,0	100,0

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## EFFICIENCY OF CARRYING OUT PROFILACTIC MEDICAL EXAMINATIONS OF CHILDREN AND ADOLESCENTS IN THE REPUBLIC OF SAKHA (YAKUTIA) BY THE DATA OF OFFICIAL MEDICAL STATISTICS

### ANNOTATION

The article analyzes the official medical statistics of these preventive medical examinations of the children of the Republic of Sakha (Yakutia) and the Russian Federation for 2011-2015. The evaluation of the effectiveness of conducting preventive medical examinations in a comparative aspect is given.

**Keywords:** children, preventive examinations, Yakutia.

### INTRODUCTION

The first decade of the beginning of the 21st century was marked by the presence of two trends developing in the RF healthcare system: an increase in the volume of medical services rendered to the population and a revival of the system of medical examination. The effectiveness of conducting preventive medical examinations in the traditional way is 7-11%. In this regard, the role of the use of automated technologies for preventive examinations of the population

is increasing [2].

Evaluating the quality and efficiency of visiting and practical work of district medical specialists in RS (Y), it is possible to note the following: The central district hospitals try to execute their planned departures in a short time, at the same time brigade method, because of economic, transport and personnel problems. In this regard, more than 80% of the managers of the paramedic midwife remain dissatisfied with the results of these visits [1].

The organization of mass preventive examinations in Yakutsk is also carried out with a heavy workload, both for medical staff and patients. Today, experts widely use the statistical information received during mass dispensary / preventive examinations, but very few people talk about how much and how reliable the data of these works are.

### Materials and methods

The article presents an analysis of the official medical statistics of these preventive medical examinations of