



To the problem of integration of educational, scientific and sports activity in higher education in the field of physical culture and sport

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Abstract

Objective of the study was to obtain objective data that allow developing evidence-based proposals for the normative, organizational, methodological support of the process of integrating educational, scientific and physical culture and sports activities in higher education in the field of physical culture and sports.

Methods and structure of the study. To solve the problems, a set of methods was used to comprehensively and comprehensively study the problem of integration: theoretical analysis and generalization of special literature; retrospective analysis of program and regulatory documents [1-3], retrospective analysis of the direction of dissertation research in the field of physical culture and sports; poll; expert review; testing; modeling; ascertaining experiment; methods of mathematical statistics.

Results and conclusions. In the process of analyzing the scientific literature, it was found that the implementation of the integration of education, science and physical culture and sports activities involves: correction of professional and sports training; improving the assessment of types of educational activities; creation of personnel, organizational, logistical and financial conditions; substantiation of normative documents regulating the implementation of this process, etc. Statistical data were obtained on the implementation of the main professional educational training programs, on the organizational, methodological support of the educational process, on the scientific and methodological support of sports teams of various levels. It has been established that at the moment there are integration processes in the system of higher education in the field of physical culture and sports, and the indicators characterizing the effectiveness of educational, scientific and physical culture and sports activities are interconnected.

Keywords: *Integration of educational, scientific and physical culture and sports activities, training of a sports reserve, educational and methodological support, scientific and methodological support.*

Introduction. A feature of higher education in the field of physical culture and sports is the possibility of training a sports reserve and testing in practice the effectiveness of the integration of educational, scientific and sports activities. In this regard, there is an urgent need to obtain objective data that allows developing scientifically based proposals for the normative, organizational, methodological support of the integration process, as a condition for the formation of a state order for sports training at a university. Based on the problems, the object of the study was the process of integrating educational, scientific, physical culture and sports activities in educational organizations sub-

ordinate to the Ministry of Sports of Russia, the subject is the content of the normative, organizational, methodological support for the integration of educational, scientific, physical culture and sports activities in these educational organizations.

Results of the study and their discussion. The activities of 14 universities in the field of physical culture and sports were analyzed. According to the survey data, it was found that the main professional educational programs for the training of sports teachers in 75 sports are being implemented in the universities of physical culture. At the same time, the coverage of sports specializations, depending on the status and



location of the university, is different (from 8 to 58).

In the total number of full-time students, the share of undergraduate students with sports categories was 80%. Almost half (47.3%) of them are highly qualified athletes (from CMS to HMS). However, based on the analysis of the general structure of the contingent among students, the majority are athletes who have the potential for further improvement in their chosen sport. The most priority sports for which training is carried out at universities are: athletics, martial arts (boxing, wrestling, judo, taekwondo), swimming, sports gymnastics (artistic gymnastics, rhythmic gymnastics, sports aerobics, acrobatics), dance sports, sports games (football, basketball, hockey, volleyball, handball, tennis), cross-country skiing.

Considering that the human resources of any higher educational institution and, in particular, in the field of physical culture and sports, determine the possibility of applying innovations and integrating educational, scientific, physical culture and sports activities, an analysis was made of the teaching staff of Russian universities of physical culture and its structure taking into account sports qualifications. It has been established that more than half of the teachers have a high sports qualification - CMS and above (55.7%). At the same time, the scientific qualifications of the teaching staff of all higher educational institutions, despite meeting the requirements, had a significant difference: from 60.1% to 84.1%.

Analysis of the diversity of scientific publications of the teaching staff of higher educational institutions of physical culture, taking into account the direction of physical culture and sports activities, testified that it is determined by the number of sports implemented at the university. Thus, the central universities were the leaders in this characteristic of publication activity, and this, in turn, was reflected in the degree of partici-

pation in the scientific and methodological support of sports teams of various levels. At the same time, the activity of scientific and pedagogical schools (SPS) of higher educational institutions of physical culture was of no small importance. It was revealed that their number is directly proportional to the variety of scientific researches carried out on the problems of physical culture and sports (Fig. 1).

In this aspect, the publication activity aimed at the scientific and methodological support of sports training is indicative. In total, higher education institutions of physical culture published more than 40,000 publications in the RSCI (Russian Science Citation Index); more than 1200 articles in journals indexed in Web of Science or Scopus; more than 8000 articles published in journals according to the list of HAC (Higher Attestation Commission).

An analysis was also made of the number of implemented areas for the training of scientific and pedagogical personnel and the availability of dissertation councils. At the moment, in the field of physical culture and sports, only half of the universities have dissertation councils in their respective scientific specialties (Fig. 2).

Analysis of the dynamics of the number of defended dissertations in the scientific specialty 13.00.04 - "Theory and methods of physical education, sports training, health and adaptive physical culture" testified that the general downward trend in Russia did not change the overall share of the scientific contribution of universities of physical culture. Thus, 56% of dissertations are defended in the universities of physical culture, which confirms the role of scientific and pedagogical schools of universities and the presence of favorable conditions for research.

Based on the results of the analysis of all the above indicators of integration activities, a structure for the

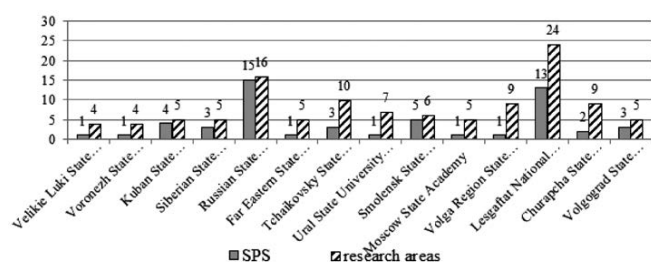


Figure 1. Quantitative characteristics of scientific and pedagogical schools in higher educational institutions of physical culture in Russia (number)

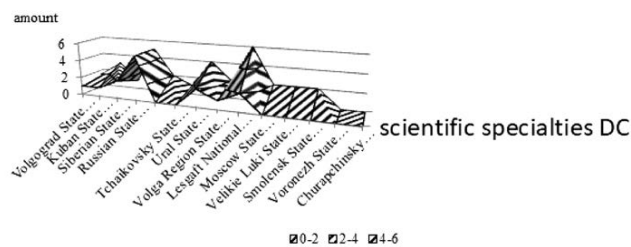


Figure 2. The number of areas of postgraduate training and dissertation councils in higher educational institutions of physical culture



Generalized criteria for the integration of educational, scientific and physical culture and sports activities in higher education in the field of physical culture and sports

Type of integration	Criteria
Vertical	<p>Availability and compliance with the Basic Professional Education Program (BPEP) and the program of sports training in the sport of various levels of education with the requirements of the Federal State Educational Standard (FSSES), the program for the sport, the Federal Standard for Sports Training (FSSP);</p> <p>Continuity of BPEP levels of education and implementation of programs for various stages of sports training of students in accordance with the requirements of the FSSP for a sport;</p> <p>The presence of publications of students and faculty on the problems of the chosen sport in scientific publications of various levels of peer review;</p> <p>The presence of educational, scientific and sports achievements of students at all levels of education being implemented;</p> <p>The presence of performers of research work (RW) and research and development work on issues in the field of physical culture and sports from among the students</p>
Horizontal	<p>Availability of BPEP in the areas of training 49.00.00 in various sports specializations;</p> <p>Scientific research in a student scientific association according to the thematic plan of research with the involvement of the teaching staff of various departments and representatives of scientific and pedagogical schools (SPS) of the university;</p> <p>Interdisciplinary approach and the use of innovative technologies in various fields of science in the process of completing term papers and qualifying papers;</p> <p>Scientific research in the field of physical culture and sports with the involvement of various educational, sports and scientific structural units;</p> <p>Participation of the departments of the university in the scientific and methodological support of the training of national teams in sports</p>
Organizational	<p>Compliance with the local documents of the university that regulate the planning, organization and implementation of educational, scientific, sports activities that meet the unified requirements of the Federal State Educational Standards, Federal State Requirements (FGR), programs for sports (PS), Federal standards for sports training (FSST), the Higher Attestation Commission (HAC), orders of the Ministry of Science and Higher Education of the Russian Federation, etc.</p> <p>Interrelation and compliance of educational and methodical, personnel, logistical and scientific and methodological support of education, scientific and physical culture and sports activities with the requirements of the Federal State Educational Standard, FGR, PS «Trainer», FSST for sports;</p> <p>Compliance of the scientific work of students with the subject and plan of the research work of the university, the requirements of the regulatory documents of the Federal State Educational Standard, FGR and HAC;</p> <p>Compliance of the educational, research, physical culture and sports infrastructure and the material and technical base of the university with the Federal State Educational Standards, FGR, FSST and the stages of training in the chosen sport</p>

integration of educational, scientific, physical culture and sports activities was developed, which is a holistic education, the basic basis of which are unified regulatory documents.

In the course of the study, the criteria for each individual type of activity were first identified and systematized, taking into account the direction of integration (vertical, horizontal and organizational), which made it possible to objectively assess the possibility of its implementation. Comparison of the criteria for each type

of activity made it possible to systematize and combine them according to common features in each of the areas of integration. As a result of the generalization, the main criteria for the integration of educational, scientific and physical culture and sports activities in higher education in the field of physical culture and sports were specified (see table).

Conclusions. In the process of analyzing the educational and methodological support, it was found that all educational programs implemented in the universi-



ties of physical culture comply with the requirements of documents regulating educational, scientific and physical culture and sports activities in the field of physical culture and sports, which confirms the possibility of integrating these types of activities in universities. It was found that in the system of higher education in the field of physical culture and sports there are integration processes due to interrelated indicators that characterize the effectiveness of educational, scientific and physical culture and sports activities.

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