The Construction of School Sports Security System and the Management for Operation Control in China

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Abstract. In twenty-first Century, sport has become an important part of education and teaching, more and more attention has been paid to the relevant departments of Chinese schools. In recent years, with the school sports accident safety incidence increased in China, and how to improve the safety control and management of school sports and reducing safety accidents has always been a focus of attention of various colleges and universities. For the literature material, questionnaire survey, expert interview and mathematical statistics method of school sports security situation, the investigation carries on the analysis to the school sports safety management theory for Chinese school sports security system construction. In the end, this paper puts forward the countermeasures and suggestions, provides a reference in order to promote the Chinese school sports safety construction.

1. Introduction

Security is the fundamental need to maintain human life, survival, production and development. Only in a safe environment, the level of each person's needs can be developed and realized. In the course of human social development, all aspects of people's lives are accompanied by safety problems, and school sports are no exception.

In the school sports teaching, students are the main body of school sports. Because the students' safety consciousness is relatively weak, the knowledge structure is single, their body and mind are in the mature stage, and the probability of school sports safety accidents among students is the highest. School sports are different of moral, intellectual, aesthetic and manual work education. In recent years, the safety problems of school sports in China appear frequently. According to a sampling survey by the Ministry of public security and education and the General Administration of sports, in more than 10 provinces and cities in China, more than 40 students have different safety accidents on average every day in the country, of which 80% are due to poor safety awareness and poor self rescue ability. The data reflect the school sports in our country. A disease of safety School sports safety problems have seriously affected and hurt the physical and mental health of the students, hindering the normal conduct of school sports, which is contrary to the "health first, sunshine sports, people-oriented" sports and health new curriculum standards of health.

Since the reform and opening up in China, the party and state education, sports related administrative departments have attached great importance to in China's school sports safety. The decision was made by the Central Committee of Communist Party and the Ministry of education in China about the comprehensive promotion of quality education in Strengthening of Sports. For example, the People's Republic of China sports law, the regulations of the school sports work, those notices on strengthening the safety education and safety management in the sports activities of the school. So there are many laws and regulations, departmental rules, regulations and notices. In
particular, the party in the third Plenary Session of the 18th CPC Central Committee made clear that the school physical education deployment, pay attention to the healthy growth of youth sports, as far as possible to do a good job of youth sports health education, combined with the relevant standards of sports work, the school sports guarantee mechanism to improve, and promote the safety and stability of the development of students.

2. Principle of school sports safety control

2.1. The "safety first" principle
According to the development concept of sports education in the new century, school sports education is the goal of "health first and people-oriented", but if students cannot get security guarantee, the school physical education to talk about "health first". Therefore, to carry out the school sports "health first, people-oriented" teaching goal is to "safety first" as the school sports safety control and management of the first principle. School sports in the process of implementation, the first to do a good job of student safety control, school related departments and low level managers to use scientific management methods and measures to ensure that the school sports safety, the safety of the students in the first place, so as to ensure the school sports "safety first" principle.

2.2. The safety consciousness
In the implementation of school sports management, we should avoid the problem of school sports safety, so we must reasonably control the theme of safety awareness education. The safety awareness education is an important part of the school sports safety management. Whether it is the physical education teacher or the school sports safety management personnel, the use of safety awareness education can effectively reduce and prevent the occurrence of school sports safety accidents. In the process of implementing school physical education, relevant managers must make a rational use of safety awareness education control principle. In general, the safety awareness education of the school sports after the emergence of security problems, this kind of school sports safety work is relatively passive, and the effect is also poor. In order to prevent the school sports safety accidents, the school sports related management departments must do the pre control work, formulate the safety awareness education control scheme, do a good job of school sports safety awareness education, so as to avoid and prevent the school sports safety accidents fundamentally.

2.3. Principle of dynamic control
In the process of school sports safety control, we should adopt the principle of dynamic control. The change of safety factors in the implementation of school sports is absolute, the same is relative, the relative safety is temporary, and the insecurity factors are present. Therefore, it must be dynamically controlled in the process of the implementation of the school sports security with the change of the situation. The school sports safety control runs through all stages of the whole school sports teaching and training competition and extracurricular activities. In the stage of the school sports safety management, dynamic control is a basic work. According to the school sports teaching and training competition, the extracurricular activities plan and the requirements of the school sports, the school body is done well.

2.4. Principle of combination of power and responsibility
In order to ensure the safety and control of the school sports, the school sports managers must adhere to the principle of combining power, responsibility and benefit, which can better implement the requirements of the school sports safety responsibility system. In the implementation stage of school sports safety control, the managers of different levels of high school and low level (including school sports leaders, sports teachers, coaches, referees, field equipment managers, medical personnel, etc.) have their respective responsibilities, and the school sports safety control network, and all management personnel jointly undertake the school sports safety. The duty of full control also has its
own different powers. In the scope of its power, it can control the safety of school sports. Only by achieving the perfect combination of power and responsibility can we achieve the purpose and effect of school sports safety control.

3. School sports safety control mode and target management

3.1. School sports safety control mode
In order to do a good job in the safety control of school sports, first of all, it is necessary to control the safety in advance, that is, to prevent and control safety before the implementation of the school sports, to find out and eliminate the hidden dangers of safety problems in time, so as to reduce the probability of the occurrence of school sports safety accidents; secondly, carry out the control of the present field, which is the safety control of the school sports. The top priority is that there are many factors affecting the safety of school sports, so the relevant departments should pay more attention to it, lead the leading leaders, strengthen the cooperation between various departments, do a good job division, special person full-time; finally, carry out dynamic control at any time, because of the school sports safety control period affairs. It is not invariable; for factors such as human, site, weather and other factors may change at any time in this process, the school sports safety control system should be adjusted according to the changes in each link. The control mode of the school sports safety is shown in Figure 1.

![Figure 1 School sports safety control mode](image)

3.2. Calculation parameters
The so-called target management is a management method based on the goal and taking various measures to achieve the goal. The first person to put forward the goal management method is Peter Drucker, an American manager. The application of this management method has become more and more wide, and it has been developed rapidly in the process of application. Target management includes a number of contents, the most important of which is the setting and decomposition of the target, the relevant workers should carry out the responsibility, the rules and regulations of the target management should be conscientiously implemented, the results of the execution are checked, and the goals made should be evaluated. The goal management method of self control is introduced in the school sports safety management, and the control of the school sports safety goal is taken as the management basis. It can guide the sports teaching, competition, train and extracurricular activities of the school sports safety, so as to ensure the safety of the school sports safety in lasting stability. The target management of the school sports safety is shown in Figure 2.
4. **Fuzzy evaluation**

According to the calculation of the fuzzy evaluation value of school sports safety control, the evaluation value of the safety system in the first grade index is 88.82, the evaluation value of the organization guarantee is 87.73, the evaluation value of the control activity is 86.63, the evaluation value of the safety education is 85.14, the evaluation value of the site and equipment is 84.98, which indicates that the school sports control safety system is based on the expert proposal. It is very important to establish and organize the construction of the school sports safety control system and organization in China. The evaluation value of the school sports safety control importance is 89.86, the school sports safety control responsibility range distribution evaluation value is 89.88, the school sports safety dynamic control evaluation value is 90.88, the student safety awareness raising evaluation value is 93.08, the school sports field and the equipment safety use evaluation value is 90.15. The two level index of higher evaluation can explain the improvement and further strengthening of the current school sports safety control, which is also in line with the results of the research. For example, we should pay full attention to the importance of the school sports safety system, strengthen the sense of responsibility of the management personnel, improve the dynamic control of school sports safety, improve the safety awareness of the students on the basis of safety education, and strengthen the management of sports venues and equipment in school. The Fuzzy evaluation value of school sports safety control listed in Table 1.

| Target level  | One level index | Fuzzy evaluation value | Two level index                                                                 | Fuzzy evaluation value |
|---------------|----------------|------------------------|----------------------------------------------------------------------------------|------------------------|
| Safety control| Security system | 88.82                  | The importance of school sports safety control                                   | 89.86                  |
|               |                |                        | Establishment of school sports safety control rules                              | 86.12                  |
5. Conclusions
This paper aims to analyze the Construction of School Sports Security System and the Management for Operation Control in China. According to the control mode and target management, a serial of Fuzzy evaluation value is carried out to research the detailed characteristics of the school sports safety control and the conclusions are as follows:

(1) System control has greater subjectivity, only by starting from the system can we protect the sports safety in school for objective and fair. System guarantee is the basis of school sports safety, and it can effectively reduce the occurrence of school sports safety accidents before, during and after the event. The construction of the security system of the school sports safety system mainly includes three aspects: the regulations and implementation of the school sports safety management system, the emergency plan for the school sports safety management and the school sports system.

(2) To ensure the safety of school sports activities in China, the establishment of responsibility system is a very important part of the organization security guarantee, because only the
implementation of the safety responsibility to the people can mobilize the enthusiasm and responsibility of the managers. There is no sound organizational system with responsibility system as the guarantee of the sports safety guarantee system of school. It is difficult to find the responsible personnel when the safety accidents occur. The sports safety management of the whole school may fall into a chaotic state, and the organization system of sports safety is difficult.

(3) In the construction of the school sports safety guarantee system in China, the paper studies the functions of the school sports management including (human, financial, material, time and information) and management functions including (plan, organization, control, leadership and innovation) and the internal capacity of school physical education including sports teaching, external activities, sports competitions and training, physical fitness evaluation and so on, so as to create a school sports safety guarantee system.

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