THE DEVELOPMENT OF PUBLIC SPORTS SERVICE SYSTEM IN CENTRAL AND WESTERN REGIONS FROM THE PERSPECTIVE OF NATIONAL HEALTH STRATEGY

O DESENVOLVIMENTO DO SISTEMA PÚBLICO DE SERVIÇOS DESPORTIVOS NAS REGIÕES CENTRAL E OCIDENTAL SOB A PERSPECTIVA DA ESTRATÉGIA NACIONAL DE SAÚDE

ABSTRACT

National health is a new requirement for social development in the new era and in the current situation. At present, there is a problem of unbalanced development of public sports service system among various regions in China, especially the large gap between the East and the Midwest. In order to understand the development status of public sports service system in central and western regions from the perspective of national health strategy, this study constructed the evaluation index system of public sports service in central and western regions, and revised the indicators through two rounds of expert survey, and determined the index weight using AHP. On this basis, taking a city in the central and western region to represent public sports development, the validity and rationality of the evaluation model are verified. The research shows that the public sports service system of the city has a good level and the sports service system is relatively perfect, which can meet the diversified needs of residents participating in sports to a certain extent. Therefore, the development momentum of public sports service system in central and western regions is good, but it still needs to further promote the rational allocation of regional sports resources. It is hoped that this study can provide certain reference for the development of public sports service system in central and western regions from the perspective of national health strategy.

Keywords: National health; Midwest; public sports; service system; index.

RESUMEN

La salud nacional es una nueva exigencia para el desarrollo social en la nueva era y en la situación actual. Actualmente, existe un problema de desarrollo desequilibrado del sistema de servicio público de deporto entre varias regiones de China, con sobretodo una gran brecha entre la región este y centro-oeste. A fin de comprender el estado de desenvolvimiento del sistema de servicio público de deportos nas regiones central e occidental a partir de la Perspectiva de la estrategia nacional de salud, este estudio construyó el sistema de índice de evaluación del sistema público de deporto nas regiones central e occidental, y revisó los indicadores a través de dos rondas de inquéritos especializados, y determinó el peso del índice por medio del proceso hierárquico analítico (Analytic Hierarchy Process — AHP). Nesta base, verificou-se a validade e a racionalidade do modelo de avaliação, tomando uma cidade na região central e occidental como representativa do desenvolvimiento deportivo público. La pesquisa mostra que o sistema público de serviço esportivo da Cidade tem um bom nível e o sistema de serviço desportivo é relativamente perfeito, o que pode atender às necessidades diversificadas dos residentes que praticam esportes, em certa medida. Por conseguinte, el impulso para el desarrollo del sistema público de servicios deportivos nas regiones central e occidental é positivo, mas ainda precisa de promover a alocação racional dos recursos deportivos regionais. Espera-se que este estudio possa fornecer certa referência para o desenvolvimento do sistema de serviço público de deporto nas regiões centrais e occidentais, a partir da Perspectiva da estrategia nacional de saúde.

Descritores: Saúde nacional; Centro-oeste; desporto público; sistema de serviços; índice.

RESUMEN

Resumen: La salud nacional es un nuevo requisito para el desarrollo social en la nueva era y en la situación actual. En la actualidad, existe un problema de desarrollo desequilibrado del sistema de servicios deportivos públicos entre varias regiones de China, especialmente la gran brecha entre el Este y el Medio Oeste. Con el fin de comprender el estado de desarrollo del sistema de servicios deportivos públicos en las regiones central y occidental desde la perspectiva de la estrategia nacional de salud, este estudio construyó el sistema de índices de evaluación del servicio deportivo público en las regiones central y occidental. Con ese sistema revisó los indicadores a través de dos rondas de encuestas entre expertos y determinó el peso del índice utilizando el proceso de jerarquía analítica (PJA). Sobre esta base, tomando una ciudad de la región central y uno de la occidental para representar el desarrollo deportivo público, se verificó la vigencia y racionalidad del modelo de evaluación. La investigación muestra que el sistema público de
INTRODUCTION

Since entering the new era, China’s economic and social development has been great, people in the pursuit of material life, but also more and more attention to health. Without the health of the whole people, there will be no well-off society in an all-round way. This is the favorable spur of General Secretary Xi on the promotion of the health of the whole people in China under the new situation, and the spiritual guidance for promoting the all-round development and progress of China’s sports cause. National health refers to that all the people are in a general health level. The means to ensure the health of the whole people include popularizing the concept of healthy life, improving health security, optimizing health services, developing healthy environment and developing health industry. Among them, improving the public sports service system is one of the most important ways to ensure national health. Public sports service is an important part of the public service system, which is systematic, public and service. At present, there is an imbalance in the development of public sports services among various regions in China, especially there is a large gap between the East and the Midwest. From the perspective of the development reality of the central and western regions, there are some problems, such as insufficient public sports facilities, relatively small coverage, unbalanced distribution of sports service resources, and relatively lagging organizational system construction. However, with the vigorous support of the state to the central and western regions, these problems are gradually improving. The central and western regions need to constantly strengthen and improve the public sports service system, so as to provide protection for the health of the whole people.

It can be seen that research at home and abroad mainly involves the national health and the status quo of public sports, in which the national health is mainly guaranteed by the medical system, and the current situation of sports is mainly based on questionnaire survey and field investigation, and the research is less involved in the study of public sports from the perspective of national health. In view of this, this study analyzes the development of public sports service system in central and western regions from the perspective of national health strategy.

Influence and development factors of public sports authorities

This study takes the public sports service system of a city located in the western region as an example to study the factors affecting its development, mainly through the random investigation of the public sports department in charge of the city. The western city has a relatively perfect and mature public sports service system, which can be regarded as a typical representative of the development of public sports service in central and Western China from the perspective of national health strategy. According to the above contents, this study has been two rounds of expert evaluation, and the final evaluation index of public sports service system has been determined, and the corresponding index weight is obtained through calculation. The weight of the selected example index is shown in Figure 1.
selected to score the two-level indicators of the city’s public sports service system according to the actual situation, and the main scores were excellent, excellent, good, medium and poor. The corresponding scoring results are shown in Table 1.

Table 1 shows the rating results of the public sports service system indicators of the city by relevant personnel, among which a11-a44 represents each secondary index. The second level indicators of service resources are venues and equipment, information supply, sports guidance and activity organization; the guarantee support of public sports service system includes four secondary indicators, namely policies and regulations, capital investment, public opinion propaganda and popular science training; the social benefits of public sports service system include four secondary indicators, namely sports population, talent training, community indicators and sports Quality monitoring and feedback; supervision system of public sports service system includes four secondary indicators, namely administrative supervision, resource supervision and publicity, implementation supervision and evaluation and improvement. It can be seen from the table that the grade of each secondary index is above average, and the grade of less evaluation index is poor. Only a few evaluation indexes such as activity organization, policies and regulations, sports population are rated as poor, accounting for less than 0.1. It can be seen that the city’s public sports service is relatively complete, and the evaluation is high.

Figure 3 shows the result of index grade proportion obtained from the above table. It can be seen from the figure that 34% of the city’s public sports service system is excellent, 30% of the city’s public service system is excellent, and 20%, 15% and 1% of the city’s public service system is rated as good, medium and poor, respectively. The results show that the urban public sports service system in the central and western regions develops well. Furthermore, fuzzy comprehensive evaluation is carried out on the index. Taking A1 as an example, the membership degree R1 can be obtained according to the score table.

\[
R_i = \begin{bmatrix} r_{11} & r_{12} & \ldots & r_{in} \\ r_{21} & r_{22} & \ldots & r_{2n} \\ \vdots & \vdots & \ddots & \vdots \\ r_{m1} & r_{m2} & \ldots & r_{mn} \end{bmatrix} = \begin{bmatrix} 0.2 & 0.3 & 0.4 & 0.1 \\ 0.1 & 0.2 & 0.5 & 0.2 \\ 0.2 & 0.3 & 0.4 & 0.1 \end{bmatrix} \quad (10)
\]

According to the principle of maximum membership, we can get that the public sports service system of the city is equivalent to good, has a good momentum of development, and can meet the multiple needs of the city residents to participate in sports to a certain extent. However, there are still problems in the development of public sports service system in the central and western regions, which needs to further promote the rational allocation of sports resources.

CONCLUSIONS

In the strategic perspective of national health, continuous improvement of the public sports service system in the central and western regions is the fundamental guarantee to strengthen the residents’ physical fitness in the central and western regions. This study constructs the evaluation index of public sports service system in central and western regions from the perspective of national health strategy, and modifies the index through two rounds of expert questionnaire survey. At the same time, the fuzzy comprehensive evaluation method is used to evaluate the public sports service system in central and Western China under the health strategy. On this basis, taking a city in central and Western China as an example, the effectiveness of the evaluation model is verified. The results show that the index weight...
of service resources is 0.2631, indicating that service resources play an important role in the development of public sports service system. At the same time, the index grade evaluation of public sports service system of the city is basically good, which shows that the public sports service of the city is relatively complete, and the evaluation is high, which can meet the diversified needs of residents participating in sports to a certain extent. The development momentum of urban public sports service system in central and western regions is good, but the development of public sports service system in central and western regions still exists. In the problem, we need to further promote the rational allocation of public sports resources. This study can verify the effectiveness of the comprehensive evaluation model of public service system, but due to the limited data, its wide applicability needs further study.

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