

# Optimal allocation of urban and rural resources under the background of Rural Revitalization

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**Abstract:** Due to the lack of scientificity in the current allocation of urban and rural resources, it is difficult to solve the problems of insufficient and unbalanced integrated development of urban and rural areas. This paper studies the optimal allocation method of urban and rural resources under the background of Rural Revitalization. Understand the current situation of resource allocation in urban and rural areas. Resource differences are the fundamental reason for the unbalanced development of urban and rural areas. This paper analyzes the significance of the optimal allocation of urban and rural resources under the background of Rural Revitalization. The optimization of resource allocation is the key to solve a series of contradictions such as the economic, cultural and social gap between urban and rural areas. This paper puts forward the optimal allocation method of urban and rural resources from three aspects: overall planning the use of urban and rural land resources, promoting the rational flow of urban and rural education resources, and improving the investment structure of urban and rural health resources, which provides an important basis for Rural Revitalization and development, and can better promote the coordinated development of urban and rural areas.

**Keywords:** Rural Revitalization; urban and rural resources; optimal allocation of resources; the flow of educational resources; land resource utilization; health resource investment

## 1. Introduction

In recent years, with the accelerating pace of urbanization and the influx of a large number of rural population into cities and towns, the factors of production on which rural development depends gradually show a downward trend. Rural Revitalization is an important strategy to promote rural development in China. In order to better promote rural construction, we need to adhere to the integrated development of urban and rural areas while improving rural benefits. In order to further optimize the layout of urban and rural productive forces, develop high-quality agriculture and reasonably plan the spatial layout of urban and rural areas, we must realize the overall development of urban and rural areas. At present, China's research on the allocation of urban and rural resources mainly starts from the perspective of talents, industries and funds to solve the problems existing in urban and rural development. Due to the large gap between urban and rural development in education, medical treatment and other aspects, in order to shorten the gap between urban and rural development and achieve the goal of building a modern socialist power in an all-round way, We need to achieve balanced urban-rural development in the context of Rural Revitalization. The traditional resource allocation methods have not achieved ideal results in the application of urban and rural development<sup>[1]</sup>. Therefore, this paper studies the optimal allocation of urban and rural resources from the perspectives of land use, health and education, which provides a reference basis for improving the level of urban and rural resource allocation in China, and has important practical significance for promoting the coordinated development of urban and rural areas.

## 2. Current situation of urban and rural resource allocation

In the context of Rural Revitalization, resource differences have gradually widened the gap between urban and rural development, unbalanced land layout between urban and rural areas, unreasonable allocation of urban and rural education resources, and obvious differences in urban and rural health resources, which have brought great challenges to the coordinated development of urban and rural areas<sup>[2]</sup>. Therefore, we should pay attention to the current context of Rural Revitalization, Unreasonable problems in resource allocation in the coordinated development of urban and rural areas. Firstly, in the

allocation of urban and rural educational resources, due to China's limited educational resources and relatively weak foundation of rural education, the implementation of policies at all levels for the development of rural education is not in place. At the same time, the financial capacity is limited, the resources of rural teachers are poor, and the difference of economic level also restricts the supply of urban and rural educational resources, so it is necessary to optimize the allocation of educational resources<sup>[3]</sup>. Secondly, the urban-rural "dual" health system has widened the gap between urban and rural medical service development, and the allocation of rural health resources is lack of corresponding institutional guarantee. In addition, the lack of supervision of China's urban-rural health resource allocation has led to the waste of certain health resources and affected the allocation of medical resources, so corresponding health system reform is needed. Finally, the urban-rural "dual" structure makes the contradiction between urban and rural land more prominent. With the continuous expansion of urban land, the land utilization rate is low, and the rural land is idle due to the lack of productivity factors. Therefore, the planning of urban and rural land resources is urgent.

### **3. Significance of optimal allocation of urban and rural resources under the background of Rural Revitalization**

Under the background of Rural Revitalization, further optimizing the allocation of urban and rural resources is the key to solve a series of contradictions such as the economic, cultural and social gap between urban and rural areas<sup>[4]</sup>. Firstly, the optimal allocation of educational resources is an important way to improve the development level of China's overall education. The optimal allocation of educational resources can most likely meet the needs of all students for education under the condition of limited educational resources. At the same time, reasonable allocation of resources can also reduce the waste of educational resources, so as to improve the utilization rate of educational resources. Secondly, the optimal allocation of health resources is to improve the planning of health resources and maximize the economic benefits of health resources from a fair and reasonable point of view, which plays a vital role in improving the reasonable medical security system. Finally, the optimal allocation of land resources can accelerate the pace of urban-rural integration development, put forward solutions to the problems existing in the integrated development of urban and rural areas, which has urgent practical significance to promote the overall planning of urban and rural development, and the optimization of the quantitative structure of land use can also provide an effective basis for the local government to make scientific decisions. In the context of Rural Revitalization, in order to achieve the goal of rich life and prosperous industry, we also need to constantly resolve the difficulties in the integrated development of urban and rural areas, through the back feeding effect of cities on rural areas, combined with their own resources and forces, so as to realize the revitalization and development of rural areas.

### **4. Optimal allocation of urban and rural resources under the background of Rural Revitalization**

#### ***4.1. Overall planning of urban and rural land resource utilization***

Overall planning of urban and rural land resource utilization first needs to take cities and villages as an organic whole, link the increase and decrease of urban and rural land, sort out the land with low utilization rate and low economic benefits in rural areas, coordinate urban and rural construction land, and realize the rational flow of urban and rural land. In urban construction land, we should reasonably adjust the proportion of different land use and promote the formation of a land use structure with reasonable layout of high, medium and low density<sup>[5]</sup>. For land use adjustment across counties and districts, we need to formulate a benefit distribution mechanism on the basis of coordinating land use according to the actual situation and taking the maximization of comprehensive benefits as the goal of allocation optimization. At the same time, we should pay attention to the concept of sustainable development, reasonably carry out the layout of infrastructure on the basis of environmental protection, coordinate the spatial layout of urban and rural development with the land layout, fully consider the differences of urban and rural resources, and combine concentration and dispersion according to the regional characteristics of different urban and rural areas, so as to realize the integration of transportation facility allocation and form a transportation mode integrating urban and rural areas. Protect high-quality rural cultivated land, emphasize overall planning and land use management, increase the construction of industrial parks, and constantly improve the land management system.

#### ***4.2. Promote the rational flow of urban and rural educational resources***

The rational flow of urban and rural educational resources is one of the important ways to ensure the balanced distribution of teaching resources. We should strengthen the awareness of unified and coordinated development, integrate and balance the interest demands of different interest groups in urban and rural areas as much as possible, and give some financial policy support to some vulnerable areas in rural areas, so as to give greater impetus to the educational development in rural areas, Strengthen the infrastructure construction of rural schools, make the school running conditions of urban and rural schools reach unified standards, and make the allocation of teacher resources more balanced. In order to promote the flow of educational resources, in the process of formulating educational policies, we should put urban and rural education in an open overall environment, realize the sharing of educational resources between urban and rural areas, reduce inequalities in education, actively promote the overall management of urban and rural areas, use modern science and technology to build a modern urban and rural education development system, and encourage urban and rural teachers to exchange teaching. Spread new knowledge for students in rural areas, improve rural teachers' teaching methods, enhance teachers' educational literacy, scientifically formulate students' learning plans, and enable rural students to receive high-quality education through scientific and effective teaching methods.

#### ***4.3. Improve the input structure of urban and rural health resources***

In the optimal allocation of urban and rural health resources, it is necessary to establish a standardized growth mechanism of health investment, increase the investment in health resources, improve the health service level of urban and rural residents, comprehensively consider the overall fairness of society, balance the balanced development of public health and medical industry, and reasonably divide the responsibilities of health and medical expenditure at all levels in urban and rural areas, It will not only improve the special transfer payment system for public health, implement the source of health funds in rural areas, ensure that people in rural areas enjoy basic medical security, and realize the equalization of public services between urban and rural areas. Due to the inefficient use of urban and rural health resources, it is necessary to determine the priority areas and key areas of health investment, increase the construction and management of health human resources, optimize the allocation of health human resources, ensure the quality of public health services, effectively reduce the gap between urban and rural health services, adjust the medical professional structure, and develop general medical education, Build a new urban and rural medical and health system, optimize the layout and structure of medical service institutions according to the existing health resources, promote the reform of the operation mechanism of medical institutions, develop urban community health services, establish a perfect two-way referral system and provide effective health and medical services.

### **5. Conclusions**

This paper understands the current situation of urban and rural resource allocation, analyzes the significance of optimal allocation of urban and rural resources under the background of Rural Revitalization, and puts forward the methods of optimal allocation of urban and rural resources from three perspectives: overall planning the use of urban and rural land resources, promoting the rational flow of urban and rural education resources, and improving the investment structure of urban and rural health resources, and has achieved some research results. At the same time, due to the limitations of time and conditions, there are still many deficiencies in this study, which need to be further discussed in the future research. For example, the scope of resource allocation optimization is limited. In order to design the research on human resource allocation optimization, the resource allocation method in this paper will be continuously improved in the future to promote the coordinated development of urban and rural areas.

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