Problems and Countermeasures of China's Social Security Information Construction Based on Computer

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Abstract. With the continuous improvement of social insurance management level and the continuous rise of relevant business volume, the current management level and ability of social insurance system has been unable to meet the growing requirements of the public. In this context, the construction and improvement of social insurance management system based on computer information also put forward higher requirements. Based on this, this paper first analyses the necessity of strengthening the information construction of social insurance, then studies the current situation and existing problems of social insurance information construction, and finally gives the countermeasures of social insurance information construction based on computer.

Keywords: Social Insurance Information Construction, Computer

1. Introduction

With the continuous expansion of social economy, the current social insurance system is also in the process of continuous improvement and optimization, especially with the deepening of the degree of integration with computer-based information technology, making the social insurance system also in a lot of transition to the information stage$^{[1]}$. The important components of the current information construction of social insurance system include several aspects as shown in Figure 1.
Figure 1. Important part of information construction of social insurance system.

Through the mutual connection and cooperation of these technologies, the social insurance information can be effectively communicated and shared between government departments and relevant institutions, and the relevant information can be displayed online to the public. With the deepening of information construction, social insurance data has gradually realized the centralized management, accurate statistics and dynamic query functions, thus initially established a more complete social insurance information mechanism and platform.

However, with the continuous improvement of social insurance management level and related business volume, the current management level and ability of social insurance system has been unable to meet the growing requirements of the public. In this context, the construction and improvement of social insurance management system based on computer information also put forward higher requirements[2]. The overall information management platform based on computer informatization should not only ensure the more efficient use of data resources, but also provide information data support and guarantee for scientific and reasonable management decisions, and realize the centralized management of relevant information, and realize the comprehensive information management of information resources in an all-round and all-inclusive way.

In addition, the expansion and improvement of social insurance informatization construction in recent years has experienced several typical processes as shown in Figure 2 below. Thus, it gradually realizes the efficient management of social insurance data, as well as the dynamic and real-time management of information statistics and query, which promotes the improvement of work efficiency and makes the management more standardized and transparent. With the continuous improvement of economic and social expansion, as well as the continuous improvement of the level of public welfare, the construction of information-based social insurance system and system can promote the popularization of social insurance, making the public more convenient to enjoy the convenience brought by social progress. It also helps to obtain more accurate and perfect social information data, lay the foundation for scientific top-level policy and planning formulation, so as to provide better service to the public. Therefore, it is of great practical value to study the problems and countermeasures of social insurance informatization construction based on computer.
2. The necessity of strengthening the informatization construction of social insurance

2.1. The role of social insurance information construction
Social insurance information construction combines information technology and information industry economy, so as to promote the social insurance system to further protect the status and role of social expansion\(^3\). In this process, informatization plays an important leading role. Secondly, the combination of informatization and social insurance management system can promote the ability of information collection, transmission and utilization in the social custody system, so as to improve the operation efficiency and effect of social insurance management. The process of social insurance informatization is a process that changes from the center of gravity based on material and economic structure to that of information and knowledge-based economic structure in the expansion of social economy.

In addition, information management of social insurance promotes the sharing of information and data between social insurance related departments and other departments and institutions, so as to promote the unified and centralized effective management of social insurance. It can be seen that the construction of social insurance system based on computer information can not only promote its own expansion requirements, but also improve the macro decision-making level of social insurance system, strengthen the process of fund supervision, adapt to the changes of personnel flow and overall planning, and meet the increasingly complex social management of social insurance.

2.2. The necessity of social insurance information construction
At present, with the continuous improvement of social insurance fund supervision demand and requirements, the supervision of social insurance fund needs more advanced technical support\(^4\). On the one hand, it is required to reduce the influence of human factors in the relevant business process, on the other hand, it is also necessary to further improve the planning operation of social insurance fund in several aspects as shown in Figure 3 below. This requires the establishment of its information management process based on computer technology to ensure the automation, accuracy and efficient operation of the whole process of fund supervision.

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**Figure 2.** Various technical means of college physics information teaching.
Secondly, the establishment of social insurance information construction can further standardize the reporting of wages and incomes of enterprises, and can effectively supervise the improper misappropriation and occupation of social insurance funds, so as to plug the loopholes of social insurance funds and achieve the purpose of saving social insurance funds\[^{5}\]. In addition, with the continuous growth of the number of insured personnel, the supervision and verification of the status of insured personnel is becoming more and more complex and difficult, which requires the use of computer information technology to carry out efficient automatic management of the employment status of the insured to avoid the loss of insurance benefits caused by human negligence. The application of computer information technology can also effectively improve the transparency of fund operation and ensure the security of social insurance fund, so as to protect the legitimate interests of all insured personnel from infringement and loss.

It can be seen that the construction of social insurance information based on computer can effectively plan the operation of social insurance system, promote the strict supervision of social insurance business management process, improve the efficiency of social insurance management, and fully protect the security of social insurance data. In addition, it can maximize the value of social insurance data, so as to ensure the interests of all insured personnel and improve the normal operation level of the social insurance system. Therefore, it is necessary to carry out the information construction of social insurance based on computer.

3. The current situation and problems of social insurance information construction

3.1. Lack of unified social insurance service platform

In order to realize the efficient sharing and transfer of information between various departments, it is necessary to break through the coordination relationship between relevant departments and institutions. However, at present, most of the information systems between the departments are fighting on their own, and the lack of a unified interface leads to the construction of a unified social insurance service platform, and brings great practical difficulties to the efficient sharing and exchange of social insurance information and data. Secondly, there are still some problems in the adjustment and maintenance of the current equipment information management system\[^{6}\]. The specific performance is that the hardware requirements of the system are high and the maintainability is poor, which leads to the high maintenance cost. In addition, in the software level of the system, various departments and institutions are also in order to achieve organic unity, which leads to the expansion of social insurance information system in different regions, resulting in the system network resources cannot be effectively shared. And information systems cannot smoothly exchange data, data resources cannot be fully mined, resulting in the benefits of social insurance information system cannot be fully played.

3.2. Social insurance information system needs to be further improved

At present, there are still many problems and deficiencies in the social insurance information system in most areas, which needs further improvement. These problems are manifested in the lack of system
continuity of information security system, the limitation of network construction coverage, the lack of stability of business process and the defects of information quality of social insurance information resource database, which lead to the severe network security form of social insurance information system. These more prominent problems seriously restrict the social insurance information system function and role of the full embodiment and play, not only brought higher use costs, but also its use efficiency is not prominent, so that the application efficiency of the system has been low.

3.3. The level of social insurance information management needs to be further improved

First of all, the current management system of social insurance information management institutions and departments does not match the needs of social insurance information construction, which leads to the effectiveness of information management platform cannot be effectively played. Secondly, the current social insurance management macro decision-making demand is not clear, business process is still unstable, not standardized, resulting in the expansion of information system resistance.

In addition, the current construction of social insurance information management system is lack of sufficient funds, resulting in the system hardware and software equipment is relatively old, resulting in low efficiency of the system. As the social insurance information management system is limited by the level of economic security in different regions, there are great differences in the construction standards, scale and level of social insurance information management system in different regions, which brings great problems and difficulties to carry out organic information platform integration and data unification.

4. The countermeasures of social insurance information construction based on computer

4.1. Scientific top design of social insurance information construction

First of all, it should integrate the resources of social insurance agencies, promote the efficient operation and circulation of social insurance institutions and information system business process, promote the integration and sharing of social insurance information data, and realize the organic unity of social insurance management process and information system process business. Secondly, it should establish a relatively centralized social insurance fund management system, straighten out the informatization working mechanism, strengthen the cooperation with external relevant departments, and ensure the achievement and realization of the goal and effect of social insurance informatization construction. In addition, it is necessary to rationalize the formulation of social insurance information construction procedures, improve the evaluation and demonstration work approval procedures for the construction of social insurance information system, and realize the rationalization and maximum benefit use of expansion funds.

4.2. Optimizing social insurance information management system

First of all, we should strengthen the integration of all kinds of social insurance information resources, and promote the standardization and efficient expansion of social insurance overall planning. Secondly, it is necessary to promote the combination of informatization and industrialization of social insurance, realize the integration of social insurance services and unify the socialized management, industrialization cooperation and related platforms and resources of social insurance front-line institutions. In addition, scientific and reasonable safeguard measures and systems should be formulated to optimize and improve the social insurance information management system in the aspects of capital investment, talent team and information docking.

In addition, we should also expand the construction of green network of social insurance information, build high-quality resource information database, ensure information security on the basis of network, formulate clear and stable social insurance business process, strengthen the information infrastructure construction, and build a business application guarantee environment. At the level of standardizing information system security construction, standardizing the information management of
social insurance card and promoting the construction of information network, so as to realize the function and function of social insurance information system.

5. Conclusion
In summary, with the continuous improvement of economic and social expansion, as well as the continuous improvement of the level of public welfare, the construction of information-based social insurance system and system can promote the popularization of social insurance and make the public more convenient to enjoy the convenience brought by social progress. It also helps to obtain more accurate and perfect social information data, lay the foundation for scientific top-level policy and planning formulation, so as to provide better service to the public.

Through the analysis of the necessity of social insurance information construction, this paper points out the importance and role of social insurance information construction. Through the research on the current situation and existing problems of social insurance information construction, it analyzes the deficiencies of social insurance information management level. Finally, through the research on the countermeasures of computer-based social insurance information construction, the paper points out the top-level design of social insurance information construction and the specific countermeasures and suggestions to optimize the social insurance information management system.

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