Social insurance management depends on the development of computer information technology

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Abstract. With the rapid development of economy and science and technology, the application of computer information technology in all walks of life has become more and more extensive. As an important security system, social insurance is an important part of residents’ security in China. With the rapid development of economy and science and technology, the application of computer information technology in all walks of life has become more and more extensive. This paper briefly introduces the necessity and principle of the construction of social insurance management information system, and discusses the measures of effective application of computer information technology in social insurance management, so as to give full play to the role of computer information technology, optimize the social insurance management system, and realize the information management of social insurance, so as to meet the needs of modern social insurance management. It is of great significance for students and social development and progress.

1. The importance of computer information technology in social insurance management

In the information age, the development of all walks of life has been inseparable from computer information technology. In the process of social insurance development, with the help of information technology, we can quickly detect the operability of policies, promote the standardized operation of social insurance work, optimize the design of all aspects of management, and achieve rigorous and efficient business management. The construction of social insurance management information system is an inevitable requirement in the reform of social security system in China. It is necessary to comply with the development needs of the times. Making full use of computer information technology to build a perfect social insurance management information system can not only save a lot of time for social insurance work, improve management efficiency, but also help to avoid information asymmetry, ensure the authenticity and timeliness of information, and promote the stable development of social insurance management in China. Secondly, the use of information technology can improve the transparency of work and the scientificty of decision-making. In addition, relying on information technology can realize unified management and information sharing, which is conducive to the sustainable and scientific operation of social insurance.

2. The general situation of social insurance management based on computer

At present, although the social insurance management work has achieved good results by using computer, the problems existing in the previous paper-based management of social security, such as document loss, data tampering, damp rot and fire burning, have been effectively avoided. However, there are still many problems in the use of computer information technology in social insurance management.
2.1. Information island phenomenon
First, the use of computer information technology has not been fully covered, with certain limitations, although with the continuous progress of information technology, the social insurance management system has been improved, but there are still shortcomings, lack of unified management; the social insurance business in various regions is not standardized, which leads to the inconsistency of social security procedures among different regions. The paper files of social security archives occupy a lot of resources, such as warehouse, personnel, capital, time and so on, which affect the efficiency of social security management. The information resource database can be further improved, and it needs to be further standardized in terms of information resource sharing.

2.2. Weak foundation
Second, in terms of social insurance management, the business process is more complex, which can be simplified to avoid repetitive work. At present, the overall level of social insurance information management personnel needs to be improved. We should pay attention to the training of social insurance information management personnel, which can be started from two aspects of professional ability and professional quality. Lack of management efficiency; lack of service attitude, efficiency, network handling, service equipment and other aspects of external service. Lack of efficiency; social security procedures, procedures, lack of efficiency of social security management. These problems restrict the good realization of social security management by computer. If these problems are allowed to continue to develop, the overall effect of social security management will be poor, so these management problems need to be solved urgently [5].

3. Strategies to improve the efficiency of computer information technology in social insurance management

3.1. Build a social security management system platform to enhance the awareness of social security information management
The department leaders in charge of the management of social insurance institutions need to summarize the past management experience and lessons, find out various defects and deficiencies in paper management, and master the importance of using computer for management, so as to enhance their awareness of information management, and provide more support for the management work using computer in the subsequent management work. It makes the management information level of social security institutions high, and the management effect is ideal. When applying computer information technology in social insurance management and developing information management system, we should pay attention to the five major contents of social insurance, namely endowment insurance, maternity insurance, unemployment insurance, medical insurance and work-related injury insurance. The management system needs to unify these five insurance contents and realize integrated management, which should involve the handling of each business In order to improve the efficiency of social insurance management and provide high-quality public services for people. Complete the development of social insurance management standards, according to the actual situation to scientific design information management plan, and implement, in order to achieve the goal of information management. In recent years, under the unified planning of the Ministry of human resources and social security of the people's Republic of China, many places have established integrated service platforms. The comprehensiveness of the platform has been greatly improved and the system is more reasonable, as shown in Figure 1[2].
3.2. Building core resource database

The development of information technology in the social insurance industry should first of all according to the actual development of social insurance and future development strategy, build a perfect core resource database, bring all the information of social insurance personnel into the database, in the process of social insurance management, improve the data of the social insurance information resource database, unify the standards, and achieve the goal of data resources sharing enables effective communication and communication between regions and systems, and realizes the nationwide network management of social insurance. For example, the basic information of on-the-job, unemployed, retirees and so on, and also need to follow up in time, adjust and update the data information, so as to master the latest social insurance situation. Secondly, we should also achieve the comprehensive coverage of the core resource database, unify the planning, standards and management, and closely combine the collection of social insurance premium, the basic medical insurance system and the basic pension payment, and build an information-based social insurance system to ensure the orderly progress of social insurance informatization. Strengthen the database security management, find out the security loopholes in time, and take effective measures to solve them. Improving the quality of social insurance management information reflects the operation value of social insurance management. The social security management cloud service application platform should include data collection, preprocessing data, data analysis and data early warning. The specific platform design architecture is shown in Figure 2.

3.3. Simplify the social insurance business process, improve the efficiency of social insurance work

To simplify the handling process of social insurance business, it is necessary to unify and adjust the provisions of social insurance, formulate relevant handling standards, and unify the national norms, norms and policies, which is the premise of simplifying the social insurance handling process. And the
subsequent need to remove the unnecessary links of social security management in various regions as far as possible, so as to avoid the increase of business process. For example, the information of the social security object can be bound, and then it can be directly retrieved from the Internet when processing, so as to reduce the processing links of circulation. To optimize the management of social security archives, it is mainly to reduce unnecessary paper archives preservation, or to establish the corresponding social security archives management system, save the social security archives information on the network, and directly input and output files through the cloud, so as to effectively reduce unnecessary resource waste, such as paper, room, relevant personnel, etc. By connecting the social insurance system with the public security system, the detailed data information can be obtained directly through the ID card, thus effectively ensuring the authenticity of the archives, and then reducing the link of file verification [1].

3.4. Strengthen the training of social security management personnel's working ability

We should strengthen the cultivation of social insurance information management talents. The implementation of social insurance management information depends on the role of people. We should adhere to the principle of people-oriented, do a good job in personnel training, let social insurance managers comply with the trend of the times, clarify the importance of the current social insurance management, reunderstand the responsibilities of modern social insurance management, adapt to the reform of the social security system, and constantly learn new social security knowledge Knowledge and management technology, improve their own business level, cultivate the professional quality of social insurance managers, so that they can quickly competent for social insurance information management. First of all, the management department of social security institutions needs to optimize the management team, go deep into the market, select staff with more management experience and strong management ability, come to the management department to engage in management work, and establish a high-level and high-capacity management team to ensure that the management work achieves the expected results, and under the influence of these excellent employees, it can promote So that the original management concept of the Department backward, management attitude perfunctory, poor management ability of the staff are effectively driven, so as to do a good job in management. Secondly, an incentive mechanism should be established. The social security management department can choose a good quality employee from its own department every month to give him a certain reward, so as to fully stimulate the enthusiasm and enthusiasm of all staff in the Department, and promote them to improve their working ability by using various ways and means, and actively carry out computer-based management system operation practice and training Knowledge learning makes the working ability of all management personnel be fully highlighted in the management work [6].

4. Conclusion

The application of computer information technology in social insurance management is conducive to improving the management ability of social insurance, ensuring the quality of social public service and meeting the requirements of the times. In the era of rapid development of information technology, social insurance should also actively apply the convenience and efficiency of information technology to improve the quality of social insurance work. The application of computer technology in social insurance management is conducive to the further improvement of social insurance management information system and can achieve effective results. Different from the traditional manual management, the social insurance management under the background of computer information technology application has higher work efficiency, faster information query speed, and management quality has been improved, which has important practical significance. In order to optimize the social insurance management information system, the relevant departments should support the application, constantly update and upgrade the computer information technology, build a perfect information management system, and formulate a sound social insurance management system, so as to safeguard people's legitimate rights and interests. First of all, the importance of information technology should be clearly defined in the development process of social insurance. Then, according to the actual
development trends and future development trends of social insurance, we should build a perfect information-based social insurance management platform. Secondly, we should also build an information sharing platform with the help of big data or cloud computing technology. In addition, social insurance workers should also actively study, improve professional quality and professional ethics, and enhance the efficiency of social insurance work. To sum up, promoting scientific and technological innovation and building digital China is the direction of China's scientific and technological development. In order to comply with the trend of the times, social security should make use of the advantages brought by the era of big data, integrate computer skills into social security work, ensure the security of social security information, improve the efficiency of work, and provide more convenience for people's life.

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References
[1] Guo Shiying, Bai Weijun. The Generation Logic and Implementation Path of the Demand of "Internet + Social Security Information Service" [J]. Administrative Forum, 2019, 26 (04): 140-144.
[2] Bai Zengqiu. On the Application of Information Technology in Social Security File Management [J]. Office Business, 2019 (07): 47.
[3] Yang Wei. Research on the innovation of Shanghai Social Security Service Mode under the background of "Internet +" [D]. Shanghai Normal University, 2018.
[4] Yu Fengyuan. Research on the problem and countermeasures of medical insurance fraud based on big data [D]. Shandong University of Finance and Economics, 2018.
[5] Zhang Teng. The investment management mode of social security funds and the way to get rid of difficulties in the context of big data era [J]. China's strategic emerging industries, 2018 (24): 211.
[6] Hao Tian. Research on Social Security Information System Management in the Age of Big Data[J]. China Strategic Emerging Industries, 2018(20): 128.
[7] Wang Shouping. Reflections on the application of big data analysis and analysis of social insurance in Shandong Province [J]. Shandong Human Resources and Social Security, 2018 (Z1):