Research On The Path Of Developing Intelligent And Healthy Pension

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Abstract: This paper in view of the growing aging background in Liaoning province, the contradiction between the increasing demand for old-age care services of the public and the insufficient effective supply of the government is becoming more and more prominent. Therefore, in the open innovation competition activities, liaoning province should focus on the development of intelligent and healthy old-age care service industry under the background of scientific and technological innovation to solve the problems of how to build intelligent and healthy old-age care community, how to make profits for service operation enterprises, solve problems such as sustainable development of the industry.

1. Introduction

In recent years, as an important emerging industry, the intelligent and healthy pension industry, coupled with the scale of the elderly population in Liaoning province, has shown a total expansion. With the overall trend of incremental acceleration, the old-age care service is facing the situation that the market scale expands and the pressure of service supply increases.

Therefore, we drive the development path of wisdom and health old-age care industry in Liaoning province by deepening scientific and technological innovation, establish a multi-dimensional intelligent and healthy old-age care service system oriented to institutions, communities and individuals, which is "joint government and enterprise, intelligent old-age care"; Meanwhile, establish innovative intelligent and healthy old-age care service mode: the government purchases basic services to guarantee the demand of basic services, and the market is responsible for the allocation of personalized old-age care service mode.

Technological innovations such as big data and artificial intelligence help the advantages and modes of the development of intelligent and healthy pension industry, which can effectively integrate resources of physical pension institutions, reduce social pension costs, and improve the level of home-based pension, promote the upgrading of Liaoning intelligent health care service industry.

2. Smart and healthy pension industry market

Recently, the General Office of the State Council issued "Opinions on Promoting the development of pension services", pointing out that the CPC Central Committee and the State Council attach great importance to pension services. Deployment of pension services according to the government work report of 2019, in order to get through the "blocking points", eliminate the "pain points", break the development obstacles, improve the market mechanism, and continuously improve the home-based, the old-age care service system, which is based on the community, supplemented by institutions and combined with medical care and support, ensures that by 2022, on the basis of ensuring that everyone enjoys the basic old-age care service, it can effectively meet the diversified and multi-level old-age care service needs of the elderly, the sense of acquisition,

happiness and security of the elderly and their children have improved significantly. The opinions put forward 28 specific policies and measures in six aspects. Deepen the reform of releasing management services; Expand investment and financing channels of pension services; Expand employment and entrepreneurship of pension services; Expand consumption of pension services; Promote high-quality development of pension services; the six aspects of promoting the infrastructure construction of old-age care service are also the top priority of promoting the development of intelligent and healthy old-age care industry in Liaoning province.

Therefore, we have carried out an analysis and research on this path, aiming at the regional economic and social development in Liaoning province, industry and industry revitalization, scientific and technological innovation and independent innovation ability improvement and other aspects play an important role in the implementation of strategies such as promoting the province through science and education and strengthening the province with talents.
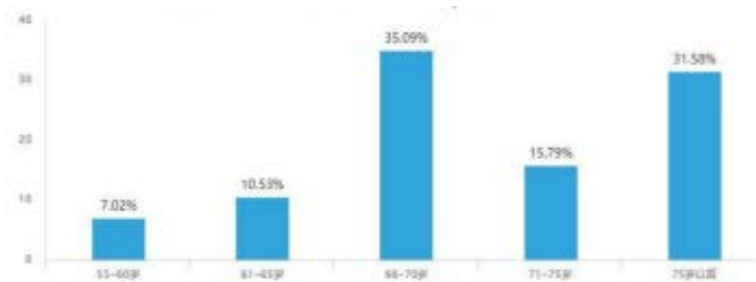

Figure 1. Plans given in combination with the above questions

Red means worried, blue means very worried, orange means not worried

Figure 2. Results of the survey on the willingness of the elderly to live in nursing homes.

3. Development Plan of wisdom and health care industry in Liaoning province

The following is a plan for smart health care based on human physics.

3.1. In terms of manpower

First, there is a lack of professional personnel for intelligent health care. For example, the design, maintenance, repair, meal recommendation, emergency help-seeking system, health care, medical care and so on of the old-age care platform all need professional and compound talents who can handle all kinds of complicated information. The current pension platform lacks the participation of professional teams and cannot effectively and timely solve various problems encountered in practice. Only by strengthening the training of professionals can we provide a solid talent Foundation for the construction of intelligent and healthy old-age care. Secondly, there is a big gap among old-age care workers. According to the survey, the gap of nursing staff for the aged in Liaoning province is over 40,000, and nearly 70% of nursing workers' income is lower than the per capita disposable income of urban residents in Liaoning province. The combination of too low income, too high labor intensity and low social status makes students majoring in community service management lose to other positions. Nowadays, social workers are generally between 40 and 60 years old with relatively low educational level. Most social workers lack knowledge of new technologies and professional nursing training, which affects the trust of the elderly in pension

service institutions. Therefore, it is necessary to strengthen the training of professional skills and new knowledge of nursing staff and the government's substantial subsidy to the salaries of nursing staff, so as to improve the negative service quality of nursing staff and the professional identity of nursing staff, social identity.

3.2. In terms of material resources

First, the defects of "intelligent" pension products. The smart old-age care products at the present stage can't accurately locate the real needs of the elderly, and do not put themselves in the perspective of easy-to-use design for the elderly, and can't reflect the concept of "people-oriented and old-oriented. At the same time, in the era of vigorous development of the Internet, the speed of updating the knowledge reserve of the elderly is far lower than that of the development of science and technology speed, it is difficult for the elderly to adapt to tempered old-age care services. Second, insufficient utilization of information. The integration of information resources is the key to smart old-age care. A large number of data information of the elderly are obtained through monitoring the elderly, including their physical quality, living conditions, health level, psychological level, etc., but they lack effective integration and overall analysis, it cannot provide intelligent services to meet the needs of the elderly. At the same time, there is a strict asymmetry between the relevant institutions and departments of the old-age care industry in Liaoning province and the providers and demanders of old-age care services, resulting in waste of resources and low efficiency.

3.3. Plans given in combination with the above questions

In view of the above problems, we also put forward corresponding solutions. First, strengthen product functions to meet the actual needs of the elderly. Based on the existing problems, the primary task of intelligent old-age care products is to strengthen the contact with the elderly. For example, in the early stage of product design, the enterprise needs to make full research on the market for the elderly, and with the investment of financial resources and advanced technology guaranteed, it aims at improving the user experience of the elderly and the practicability of the product, focus on improving product functions. According to the needs of the elderly of different ages, provide diversified and personalized products and services.

At the same time, the staff should also go to major communities regularly to provide literacy teaching services for the elderly, so that the elderly can understand intelligent old-age care products, solve the problems encountered by the elderly in the process of using, and collect feedback. Secondly, build a platform and allocate pension resources reasonably. Through "Internet Plus", various departments of old-age care institutions and so on, the related information of the elderly is integrated, and the huge and trivial information is integrated together to dig deep into the available information, so as to provide fast and reliable services for the needs of the elderly.

And then in terms of financial resources: first, improve diversified capital investment policies. Give full play to the supporting role of financial funds such as industrial transformation and upgrading funds, special funds, local financial funds, etc., promote the intensive integration and precise investment of funds of various departments, and increase the support for intelligent and healthy old-age care. Explore cooperation with state-owned capital investment companies, give full play to the leading and magnifying role of state-owned capital, and guide social capital to participate in the development of intelligent and healthy pension industry by initiating the establishment of intelligent and healthy pension industry investment fund and etc. which form a supporting force with government funds. Actively promote the government to purchase intelligent health care services, gradually expand the scope of purchasing services, and improve the service content. Explore the cooperation (PPP) mode between the government and social capital, and actively guide social capital to participate in the promotion of intelligent and healthy pension services. Second, establish a standard system of intelligent and healthy old-age care. Formulate product standards for Smart and healthy old-age care equipment, establish unified standards such as equipment interface, data format, transmission protocol, detection and measurement, and realize open sharing of data and information between different equipment.

Priority should be given to formulating the intelligent detection equipment products and data service standards of blood pressure, blood sugar, blood oxygen, heart rhythm and cardiac electricity, which are suitable for individuals, families and communities, and are commonly used physiological and health indicators. Improve the process specification and evaluation index system of intelligent and healthy old-age care service, and promote the standardization and standardization of intelligent and healthy old-age care service. Formulate information security standards for intelligent health and old-age care as well as privacy data management and usage standards.

Conclusion

In a word, the next few years will be a great opportunity for Liaoning province to develop the intelligent and healthy pension industry, which will promote the improvement of the industrial ecosystem and the acceleration of service and business model innovation, the forms of products are constantly enriched and will be more suitable for practical application. A large number of innovative enterprises have emerged. The competition in the industry is intensified, and the funds are injected into resources to boost the development of the industry and improve the existing scientific and technological innovation system, adjust and optimize the innovative technology of upgrading the intelligent and healthy old-age care service industry, so as to make Liaoning province make a qualitative leap in the development of the intelligent and healthy old-age care industry!

Acknowledgments

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