

Research on Development Mode and Realization Path of Intelligent Elderly Care Service

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Keywords: Intelligent pension, Internet+, Pension services

Abstract: With the development, the aging problem is becoming more and more serious, elderly people are also increasingly urgent in need of life care and spiritual culture. Intelligent pension care has the advantages of improving the quality and efficiency of elderly care services and enriching the spiritual needs of the elderly. The intelligent pension project also realizes three aspects of intelligent pension services, it includes services to enrich the spiritual life of the elderly, health services provided by medical staff, and care and communication of family members.

1. Introduction

The aging population is increasingly aging, China presents a large base of the elderly population the obvious trend of aging, the existing aging population is over 160 million and increased at a rate of nearly \$8 million a year, during the 14th Five-year Plan period, the national elderly population will exceed 300 million, will move from mild aging to the situation of moderate aging while the life care of the elderly, spiritual and cultural needs are becoming increasingly prominent. Today, the population is aging more often, China has a large elderly population, the need for life care and spiritual culture has also gradually emerged. Population aging and the development of the Internet are the two major trends of contemporary society. Intelligent pension is the creative transformation and innovative development of the traditional pension mode, but it does not get rid of the traditional pension model, it is a modern supplement to the traditional pension model. Exploring the best path to intelligent elderly care services, should not be limited to technological change, it should also emphasize the cultural connotation of "the sense of security, the sense of belonging and pleasure of the elderly".

2. Intelligent pension

2.1. Intelligent pension mechanism

Market-oriented management should be promoted in the construction of the two modes of community home care and institutional care, and the basic old-age security mechanism should be improved [1] [2]. Wu Dong [3] uses the "Internet +" to build an elderly care service network

platform, to achieve seamless protection for the elderly[4].

2.2. Intelligent elderly care service subject

The US government encourages the development of old-age care service [5][6] through preferential subsidies and other measures. Elderly care services in Japanese cities are mainly provided by the government and support service [7][8]. In developed countries such as the United States, diversified subjects of elderly care services, the government actively guides private capital, community organizations and other social entities to jointly build community elderly care service [6]. Germany and others emphasize the leading role of local government groups and individual volunteers in the implementation of home care services [9].

2.3. Application technology of intelligent elderly care service

Using data-mining techniques to mine effective information makes the Swiss intelligent pension service gradually socialized; using environmental monitoring systems and assisted assistance systems improves the construction of elderly care service platforms and infrastructure, continuously improves the intelligent pension service system in Portugal; the Internet of Things technology constantly improves the home care environment, provides a good environment for Romanian elders to live independently at home, and greatly improves the independence and autonomy of the elderly life.

2.4. Content of intelligent elderly care services

As the new Internet technologies advance, more and more intelligent elderly care products, such as through the relevant intelligent platforms, so that the elderly can learn online, buy pension goods and services. "Small multi-purpose" nursing homes in megacities like Tokyo is a common model, including residential care, day care, elderly care service consultation points and other [7].

3. The development opportunities of intelligent elderly care services

3.1. Adapt to the development of The Times

The development of intelligent elderly care services meets the needs of the development of The Times, 421 the family pattern is a common phenomenon in. Contemporary families face the situation of seniority and seniority, increasing pressure to support their children, with the old man less energy, the traditional pension model cannot meet the demand of. China needs a new pension model to change the current situation, intelligent pension stands out. Its advantage is that it can use smart devices to reduce the chances of danger, real-time monitoring of the elderly physical health status, reduce the pressure of medical staff. These devices are replacing their children to assist the elderly in their daily life, and can also be used to manage their retirement life as family assistants.

3.2. Conceptual change

The development opportunity lies in the change of the traditional concept of pension, which believes that raising children for old age. However, with the development of the childless and aging of Chinese society, the concept of pension is gradually diversified, more want to have a meaningful and happy old age life, through an intelligent platform, they can enrich the spiritual world, which is what they are now after.

3.3. Scientific and technological progress is accompanied by intelligence

With the progress of science and technology, the continuous intelligence of elderly care services is reflected in the combination of various technologies to make the advantages of the "Internet +" mode more sufficient.

3.4. Optimal allocation of resources

Intelligent products better integrate the information of the elderly, service platform and health services for the elderly, realize the efficient sharing and configuration of resources.

3.5. Policy support

National and local policies to support the development of artificial intelligence and elderly care services proposed the implementation of the "Internet +" elderly care project. On January 19, 2019, the central government issued the announcement of the Action Plan for Strengthening efforts to Strengthen public Services in the Social sector, Improving Quality, and Promote the Formation of a Strong Domestic Market, it is clearly proposed to carry out the pilot demonstration of the application of smart elderly care, and The State Council has also supported the process of elderly care services in recent years.

4. Challenges facing the development of intelligent elderly care services

4.1. Restrictions of traditional ideas

Traditional attitudes run deep, and Chinese elders believe it is right to live at home in old age. Elderly people should put aside the traditional concept of home care, and it is also a long process to go out of the house.

4.2. The cost of intelligent pension services is high

Intelligent pension services using the Internet of Things technology to connect smart home devices to telemedicine devices, and provide high-quality elderly care services for the elderly. The cost of machinery and equipment, has brought great cost pressure to the implementation of intelligent elderly care services.

4.3. Intelligent elderly care services may face ethical issues and legal challenges

How should intelligent pension be built, as a machine of pension service, or as a partner to accompany the elderly? In terms of ethical responsibility, who should be responsible for the mistakes of intelligent robots, can they take responsibility for themselves, or should the intelligent designer be responsible?

4.4. The substantive support policies for intelligent elderly care services are not yet clear

The government has introduced a number of policies to support the elderly services sector. But the supportive policy is still only on paper, the implementation effect is not obvious. This extends the return on investment cycle in smart services for the elderly. Despite political support, investors may not be interested in the development of investment senior services.

5. Countermeasures for the realization of intelligent elderly care service

5.1. Improve the social consensus on intelligent elderly care services

Nowadays, more and more experts and researchers are advocating intelligent elderly care services, but there is no social consensus between them. Collecting public opinions and building public consensus will help lay the foundation for the development of smart elderly care services. Accurately grasp the real needs, to provide the development of intelligent elderly care services to provide a better technical level and hardware support to provide basic guarantee.

5.2. Pilot project to provide intelligent elderly care services

Through the intelligent elderly care pilot services, take the lead in establishing a sound, well-equipped, moderate-scale intelligent elderly care service operation model, provide advanced experience and typical cases for the national unified implementation of intelligent elderly care services, and provide reproducible policy advice and typical models. Large and medium-sized cities have resource advantages, information technology and intelligent facilities are relatively sound and geriatric care resources are relatively abundant, and thus, there is an opportunity to develop community intelligent elderly care services.

5.3. Set standards for intelligent elderly care services

In order to regulate and guide the development of the pension market, the country has established a framework for many standards for elderly care services, but the standards for smart elderly care services have not yet been established. At the macro level, the country should be formulating guidelines and policies. At the micro level, general indicators can be formulated in equipment, services, management support and other aspects to ensure the efficiency of services and ensure user safety.

6. Conclusion

At the stage of population aging in our country, Acknowledgements elderly care service has undoubtedly become a worthy concern for us, the introduction of intelligent pension into the pension service field can not only meet the living needs and spiritual needs of the elderly, but also guarantee the physical health status of the elderly. Intelligent pension can conduct real-time detection of the living environment and living conditions of the elderly, intelligent construction can also enable the government departments to accurately help the elderly care services. At present, China's intelligent pension is still in its infancy, there are few national policies, local implementation is not in place, smart pension is difficult to develop. While developing intelligent pension, rural revitalization is also worth paying attention to, through the construction of intelligent pension institutions in the rural areas is also the direction that we should strive for. Therefore, we should vigorously promote the intelligent pension, and stimulate the private capital to look at the field of intelligent pension services.

Acknowledgements

Fund Project: 2023 College Students' Innovation and Entrepreneurship Training Plan Project, "Rural revitalization- - 'migratory bird-type' rural pension".

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