How Does College Student Volunteer Service Help Wisdom and the Aged

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Abstract. With the rapid aging of the population, the pension problem has become the most concerned issue of all sectors of society. In recent years, with the progress of science and technology, the rise of the Internet of Things, the Internet and big data, an emerging pension model – wisdom to help the elderly has entered the public's vision and attracted people's attention. In this paper, college students volunteer to help the elderly service, the use of higher education and a certain degree of professional knowledge, professional skills of the advantage, the use of modern science and technology to provide real-time, fast, efficient intelligent pension services for the elderly, to meet the elderly diversified, multi-level needs for pension, improve the quality of life of the elderly. College students are the mainstay of the future development of the country. We should guide college students to establish a sense of volunteer service and combine it with the characteristics of scientific and technological development to ease the pressure faced by elderly. In this paper, the college students volunteer service to help the elderly wisdom analysis and discussion, in order to better help the development of college students volunteer service to help the elderly service put forward corresponding countermeasures.

Keywords: College students · Volunteer service · Population aging · Wisdom helps the old

1 Introduction

The Fifth Plenary Session of the 19th CPC Central Committee proposed "Implementing the National Strategy to actively cope with the aging population". [1] The trend of population aging in Shandong province keeps pace with that of the whole country and keeps accelerating. According to the seventh National census report in 2020, the elderly population over the age of 60 in Shandong province has reached 2122 million, accounting for 20.9% of the total population in the province. [2] According to the *14th Five-Year Plan for the Development of Aging Cause* released by Shandong Province in 2021, Shandong Province is the only province with an elderly population of more than 20 million. The aging population is characterized by a large base number, fast growth rate and high degree, and is accompanied by aging, disability and empty-nest. [3] Therefore, in this era of increasingly serious population aging trend, college students' voluntary service plays a particularly important role in wisdom to help the elderly.

2 Current Situation of College Students Volunteer Service to Assist Wisdom and Help the Elderly

With the further aging of our country and the increasing demand of community care service, college student volunteers play a more and more important role in meeting the need of community care for the aged. [4] With the aging trend of increasingly serious, promote college students volunteer service to help wisdom and multiple introduction of wisdom to assist the elderly become an effective way to perfect the modern pension service system, alleviate the problem of home care. At present, as a new pension service model, smart help for the elderly provides a feasible solution to solve a series of social problems brought by the aging trend, but there are still many problems in the service supply. In the process of participating in the smart elder care service, college students' volunteers are faced with the dilemma of lack of volunteer resources, absence of service management, and high risk of service. On the one hand, college students' understanding of the smart elder care service remains at a shallow level and their enthusiasm for service is not high. On the other hand, the level of college students' elderly care service is not highly professional and lacks of relevance. It is difficult to accurately grasp the dynamic changes of the needs of the elderly and make corresponding adjustments. [5] Therefore, it is necessary to strengthen the guidance and management of college volunteers, constantly improve the service mode, encourage college students with high-tech majors to participate in the wisdom of helping the elderly, and solve the pension difficulties brought by the aging population. Improve the service participation ability and contribution of college volunteers.

3 Investigation and Analysis of the Current Situation of College Students Volunteer to Help Wisdom and Seniors

3.1 The Enthusiasm of College Students Volunteers to Participate in the Wisdom of Helping the Elderly is not High

In order to understand the enthusiasm of college students to participate in the wisdom of helping the elderly, a questionnaire was published on the Internet for the majority of students to investigate the situation of college volunteers participating in the wisdom of helping the elderly. Using random sampling survey method, distributed questionnaires to the majority of students. (Fig. 1) A total of 500 questionnaires were sent out, and 476 questionnaires were effectively received, with an effective recovery of 95.2%. Of the 476 people surveyed, 43.9 percent were male; The proportion of female students was 56.1%. 23.52% participated in Smart Help for the elderly volunteer service, 32.02% participated in other volunteer services, and 44.46% did not participate in Smart Help for the elderly.

3.2 The Elderly are Slow to Accept, and the Implementation of Colleges and Universities is Blocked

The emergence of wisdom to help the elderly has a huge impact on the pension industry, but for the elderly, this emerging pension model has great challenges, they do not have
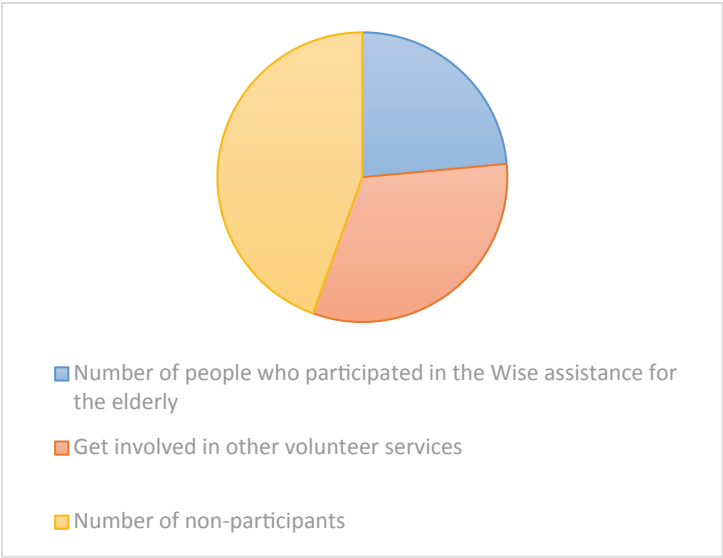
Fig. 1. Participation of college students in wisdom helping the aged [Since the draw]

sufficient understanding of information technology, learning ability is insufficient, slow to accept new things. The incooperation of the elderly has become an obstacle for college students to participate in the volunteer service of Wisdom for the elderly.

3.3 There is a General Lack of Professional Volunteer Service Teams for College Students

With the continuous development of economy, the problem of population aging is becoming more and more serious. The fifth census showed that 7.294,400 people, or 8.03%, were aged 65 or above. According to the results of the sixth census, the population aged 65 and above was 9.429,800, accounting for 9.84%; The seventh census showed that the population aged 65 and above reached 15.364 million, accounting for 15.13% of the total, 1.6 percentage points higher than the national level. By the end of 2025, the number of people aged 60 and above is expected to exceed 24 million, accounting for more than 24 percent of the total population. [6] (Fig. 2).

At the early stage of the development of smart elder care, there is a lack of dedicated voluntary service team to continuously promote the implementation of smart elder care, and it is difficult to solve the problems in the implementation process of smart elder care, especially many professional knowledge involving technology. Many college students' volunteers lack the professional knowledge of smart elder care, which weakens the specialization and thus cannot meet the needs of the elderly care industry for the elderly service talents. This leads to the slow development of the new pension service model of wisdom for the elderly. In addition, for how to approach the elderly scientifically and effectively, understand their needs, let the elderly accept the wisdom of the elderly, and
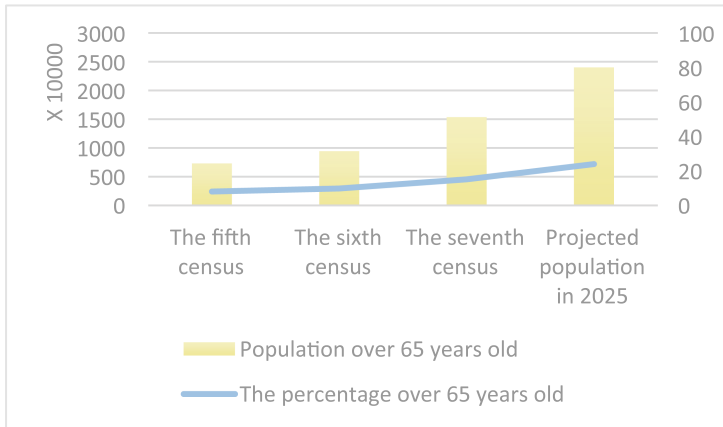
Fig. 2. Statistics of population over 65 years old in recent years [Since the draw]

other issues, also need the help of professional college volunteers, in order to develop a more specific and reliable wisdom of the elderly program.

3.4 There are Loopholes in the Management System of College Students' Voluntary Service Organizations

In order to enable college students to actively participate in voluntary service activities, many colleges and universities take the number of students' participation in voluntary service activities as a comprehensive assessment method, and take voluntary service activities as the second lesson. Therefore, many college students' volunteers do not devote themselves to volunteer activities, but aimlessly participate in volunteer activities without initiative and enthusiasm. Only a very small number of college volunteers insist on participating in volunteer service for a long time, which makes many college students do not understand the nature and work of volunteer service, and the lack of publicity leads to the low awareness and lack of participation consciousness of college students [7].

3.5 The Advent of the Era of Big Data Has Left the Elderly Helpless

In the face of the sudden outbreak of COVID-19 in 2020, people all over the country are using small health code programs to track personal trajectory information, which has caused inconvenience to many elderly people who do not know how to use smart phones and corresponding apps, and even caused a sense of helplessness abandoned by The Times. The health code problem is only a small part of the problems in the life of the elderly. In fact, the elderly are also faced with many difficulties in using smart products such as online payment, online registration and online medical treatment.

4 Improve the Path of College Students Volunteer Service to Help Wisdom and Help the Elderly

4.1 Strengthen the Propaganda of Wisdom to Help the Elderly

The government and community nursing institutions can publicize through the Internet, establish a regular working mechanism of "smart help the elderly", carry out voluntary services, strengthen skills training, strengthen publicity and guidance, and take a series of measures to promote "smart help the elderly" voluntary services. [8] Regularly carries out similar main body propaganda activities such as "College students help the aged with wisdom" to deepen college students' understanding of the current aging trend and wisdom for helping the aged model. We will fully mobilize the enthusiasm of contemporary college students volunteers, make more college students understand and participate in the smart aged, alleviate the pressure of the pension talent shortage in our country, and boost the development of the pension industry in our country.

4.2 Pension Institutions, Schools and the Government to Establish Long-Term Cooperative Relations

As a place of centralized management of college students, schools should give full play to their own resource advantages. [9] As the responsible party for the elderly care, the government and pension institutions should actively seek to establish a stable long-term cooperative relationship with universities. Colleges and universities provide the source of voluntary services for college students who are the main body of wisdom to help the elderly, while the government and pension institutions provide places for volunteer services for college students. They can establish long-term cooperative relations with each other to meet their respective needs. Colleges and universities should strengthen cooperation with all walks of life to open up broader social practice space for college students' voluntary service. [10] College students' volunteers can improve their ability, accumulate experience and win praise from relatives and friends through social practice space. The government and pension institutions can also obtain a large number of wise talents to help the elderly, relieving the pressure of the current pension industry.

Through joint construction with major pension institutions and communities, universities and colleges strengthen the cooperation in personnel training, scientific research and social services, so as to build a green channel for students to volunteer services and create conditions for pension institutions and communities to serve the elderly with wisdom. The university has established long-term contacts with communities, villages, institutions for the elderly, and elderly groups. College students are invited to participate in the university service center for retirees, the university for the elderly, the community service center for the Party and the masses, and the elderly care institutions to carry out volunteer services with wisdom to help the elderly, actively respond to the needs of the elderly, and constantly enhance the sense of gain, happiness and security of the elderly. Through cooperation with major nursing institutions and communities, the school helps to improve students' professional skills and professional quality, and improve the training quality of professionals who assist the elderly with wisdom.

4.3 The Government Should Take Various Incentive Measures to Stimulate the Enthusiasm of College Students' Volunteers

As a strong volunteer service team, college students play a vital role in the activities of smart elder assistance. However, due to their lack of understanding of all aspects of smart elder assistance services, college students may feel confused and helpless to some extent. The government should do a good job in publicity, so that the college students fully understand the importance and significance of participating in smart elder care services, and stimulate the enthusiasm of college students to participate. The government should be friendly to the college students participating in the smart help for the elderly service, provide them with effective guidance and help, encourage college students volunteers to participate in the smart help for the elderly service activities, create a good atmosphere for college students volunteers, encourage them to improve their service level, and better serve the elderly group.

4.4 Encourage Student Party Branches to Actively Participate in the Wisdom of Helping the Elderly and Play a Leading Role

All colleges and universities gather the strength of the teaching Labor Party branch and student Party branch members, enter the grassroots and pension institutions, carry out voluntary service activities for Party members with "wisdom to help the elderly", and establish working methods such as "Party building + specialty", "Party building + student association", and "Party building + social service". Through the design of smart help for the elderly project, field research is carried out for specific elderly groups, and coordination between Party members, teachers and students is strengthened to guarantee the practical effect of smart Help for the elderly action. Combined with the experience of the "smart help for the aged" service of the Department of Senior Care of the College, through the combination of online and offline, the current commonly used intelligent applications are integrated to solve the practical problems of the elderly, help the elderly to cross the "digital divide", and improve the elderly's sense of gain, happiness and security in the use of intelligent technology.

The volunteer service team of college students came to the elderly to help them download wechat, Learn a powerful country, National anti-fraud and other smart apps, and taught them to use wechat and learning resources by hand, focusing on some functions and operations closely related to life, so that the elderly can enjoy the convenience brought by the Internet safely and confidently. Relying on the intelligent health care equipment, through the experience of the elderly companion robot and the elderly mental health self-service machine, to provide health monitoring services for the elderly, so that the elderly can truly feel the convenience brought by intelligent equipment for assisting the elderly.

Colleges and universities should also encourage students to go into villages, communities and pension institutions to carry out a series of public welfare activities for helping the elderly with wisdom. Students, in the form of volunteers, actively participate in "Helping the elderly with wisdom" to send teachers to the countryside and voluntary community activities, visit households and understand the appeals of the elderly at home. Guide the elderly in rural and community to use intelligent products such as

electronic sphygmomanometer and electronic blood glucose meter, improve the ability of the elderly in rural areas to use intelligent devices; The volunteer team went into the community Party and mass service center to conduct public welfare classroom training for helping the elderly face to face and hand to hand, popularize the knowledge of health care and rehabilitation for the elderly, set up public welfare class to prevent pension fraud, and played the pioneering role of student party members in doing practical things for the elderly.

4.5 Strengthen the Training of College Students Volunteers to Meet the Needs of Smart Elder Assistance Services

In many aspects, the volunteer services of college students are limited to cleaning and community cleaning, which is far from meeting the needs of smart elder assistance. Therefore, it is necessary to strengthen the training of college students volunteers, so that volunteers can participate in the work of smart elder voluntary services, learn professional knowledge and operational skills, and spread their acquired knowledge and experience to the social volunteer services of smart elder assistance. From the needs of the society, the forms of volunteer service should be constantly improved, so that the service skills of volunteers can be improved, and the wisdom can help the elderly develop in high quality.

In order to effectively solve the difficulties encountered by the elderly in the application of intelligent technology, so that the majority of elderly people better adapt to and integrate into the intelligent society [11], On November 15,2020, The General Office of the State Council issued the Implementation Plan on Effectively Solving the Difficulties in the Elderly's Application of Intelligent Technology. On July 14, 2021, the General Office of the Ministry of Education issued the Notice on the Extensive Education and Training of the Elderly's Application of Intelligent Technology. We will protect the legitimate rights and interests of the elderly in the information age and help them bridge the "digital divide". College students are encouraged to carry out voluntary service activities themed on the use of smart products for the elderly, provide the elderly with a variety of voluntary services in terms of smart technology help, guide the elderly to correctly use smart products, master smart technology, and adapt to the new environment and new changes in the era of big data.

4.6 Establish a Sound Legal System to Safeguard the Legitimate Rights and Interests of Volunteers

As early as 1987, the Japanese government issued the Law on *Social Welfare and Nursing Welfare*, followed by the Law on *Ensuring Welfare Talents* in 1992, guaranteeing the training of elderly care service talents through legislation. [12] College students' voluntary service not only needs the enthusiasm and passion of college students, but also needs the perfect system guarantee. The legal construction of voluntary service is not only the fundamental way to protect the basic rights and interests of college students volunteers, but also the inevitable requirement to regulate voluntary service activities and promote the development of voluntary service cause. In addition to the formal laws and regulations, in order to encourage college students to actively participate in the voluntary

service activities of wisdom for the elderly, it is necessary to formulate relevant voluntary service support policies to take care of their life and study. Under the background of comprehensively governing the country by law, efforts should be made to promote the legal construction of social voluntary services, promote the healthy development of smart voluntary services for the elderly, and provide legal rights and interests protection for college volunteers.

5   Conclusion

With the arrival of the peak of population aging, the problem of "the elderly have a sense of security, a sense of support, and a sense of purpose" has attracted more and more social attention. [i] Influenced by the traditional concept of providing for the aged and restricted by the realistic conditions, community based elderly care has played an increasingly important role in the "elderly care service system based on home, supported by community and supported by institutions". In order to protect the social welfare of the elderly, Article 33 of *the Law on the Protection* of the Rights and Interests of the Elderly clearly stipulates that local governments at all levels should meet the needs of the elderly for survival and security, respect and enjoyment, and development. [ii] From this, it can be seen that the participation of college student volunteers in the smart elderly care service is conducive to the development of the elderly's welfare work.

College students' voluntary service is a voluntary service activity organized and carried out by college students in accordance with the principles of voluntariness, gratuity, equality, integrity and legality. It is voluntary, gratuitous, social and self-sufficient. College students help the elderly with wisdom. Under the background of aging population and weakening traditional home care, a new elderly care service model emerged at the historic moment. College student volunteers use their professional knowledge to help intelligent elderly care services and provide intelligent elderly care services for the elderly, which is of great value to the volunteers themselves, the elderly who receive help, or the whole community and society. As for the college student volunteers themselves, participating in the intelligent elderly care volunteer service will help to tap their personal potential and promote their overall development; For the elderly, on the basis of ensuring their healthy health, intelligent help can meet their needs in life, spirit and culture, so that they can have a high-quality old age life; As far as society is concerned, the practice of college student volunteer service has reduced the pension pressure brought by the aging population. Based on the background of the deepening aging of the population, and based on the participation of college students' volunteers in voluntary services, this paper deeply analyzes the current situation of college students helping the intelligent elderly under the aging, explores the path of promoting college students' voluntary services to help the intelligent elderly, helps the elderly overcome the "digital divide", and improves their sense of gain, happiness, and security in using intelligent technology.

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