

**The Trend of Major Issues for the Aging Society in
Taiwan: A Chronological Content Analysis of
JWTSM.**

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Wenzao Ursuline University of Languages, 2021

Abstract

Aging society becomes higher and higher. And because of this situation, it had already derivative birth rate decrease and Taiwanese economic had become lower. In order to deal with these problems, the government had already promote some policies, for example, set some health centers, offer some subsidy for the family who have problem to raise children or elder people. Even the government had already had some measures; these situations are become more serious. The way of collect the data was that the researcher found a journal called "Journal of Welfare Technology and Service Management (JWTSM) to analyze the trend of aging society in Taiwan.

The result showed that take care of elder people by robot and combine social network and cloud with home telehealth system to take care of elder people were the way to deal with lack of health center. Elder people's retirement life was going to travel, do some exercise and keep learning. Due to the income problems, elder people chose to return to workplace, the government tried to make the workplace safe. Aging society had some impact and opportunity. Proper interpersonal interaction can reduce loneliness in elder people. In conclusion, most of articles in JWTSM was talking about polices but only a few articles talked about income.

Keywords: Aging society, elder people, trend

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INTRODUCTION

Background

Aging society becomes higher and higher. And because of this situation, it had already derivative birth rate decrease and Taiwanese economic had become lower. According to the international' standard, the social aging rate is calculated according to the ratio of 65-year-olds to the population have to over 7 % and Taiwan had already over 7 % in 1993. In 2020 had already goes to 16.07 %, if this situation keep happen, in 2025 Taiwan will turn into Super-aged society. So in order to deal with these problem, the government had already promote some policies, for example, set some health centers, offer some subsidy for the family who have problem to raise children or elder people. In 2011, the ministry of the interior has also announced that it will reward the third child and give a monthly subsidy of NT\$3000 until the child was two years old. In 2018, the Ministry of Health and Welfare has promoted the public childcare policy, increasing the childcare subsidy from 3000 dollars to 6000 dollars, and the childcare allowance remains at 2500 dollars.

Motivation

After I checked some data from national development council website, I found that the birthrate is getting lower and dependency ratio is getting higher. The reason why aging society would cause birth rate lower is that take care of elder people have to spend a lot of money, so people don't have another overhead to raise children. I think these situations would be improved because the government had already had some measures. The gap is even the government had already had some measures. These situations are become more serious and those measures didn't reach the good

result. If this gap be solved, the dependency ration and aging population would be decrease; in addition the declining birthrate would be improved.

Research Purpose

The purpose of the study is to explore the trend of different major issues related to the aging society in Taiwan. The articles in the Journal of Welfare Technology and Service Management since 2013 are used for content analysis.

Research Questions

1. What was the trend of Taiwan's policies for the aging society since 2013?
2. What was the trend of elder people's retirement life in Taiwan since 2013?
3. What was the trend of income problems for the elder people in Taiwan since 2013?
4. What was the trend of the effects of aging society on Taiwan since 2013?

Contribution

After finish my research, I wish I can find out why aging society keep getting serious even the government had already promote some measures like maybe this policy's effects are not good enough. Or maybe I can take this opportunity to let people know how serious the aging society is in these days.

Limits

My limit is that I don't have any pipeline to have some interview in nursing home and I don't have any chance to contact with elder people, so content analysis is only way I can collect my data.

Delimits

My delimit is because the due time of hang in gradation paper is too short so I will only analysis 1 or 2 periodical.

LITERATURE REVIEW

What is Aging Society?

Refers to the phenomenon of an increase in the median age due to a decrease in the birth rate or an increase in life expectancy. Most of the developed countries have a longer population life, and the number of senior citizens has increased; however, a similar phenomenon is also present in developing countries. And its nickname is called aging population. The reason why aging society would happen is that advances in medicine and technology. Due to the advanced medicine, there was no cure disease, it can be treated now, or it can be prolonged with the disease, the department technological progress makes life more comfortable.¹ The next reason is economic development and life improvement, Since the 1960s of the Republic of China, Taiwan's economic development quite effective, gradually becoming the first of the four dragons in Asia, The people's livelihood was rich, and the average life expectancy was increasing.

The Policy of Aging Society

To deal with aging society, there are some policies promoted by the government. First one is lower birth rate, take care of elder people have to spend a lot of money, so people don't have another overhead to raise children. And because of the lower birth rate, the country's productive forces would decrease and the economic would become worse.² Actually because of the stability of life after the war, people's wealth is gradually accumulating, coupled with the lack of contraceptive knowledge Awareness. So the fertility rate has risen in 1951, the annual birth rate is as high as 46.4, and the

¹ Yi-Ren Sha, "The Influence, Problems and Policies of the Elderly Society," *Community Development Quarterly* ,(Oct 24, 2005), accessed in May 12, 2021

² Bo Zhi Chen, "Economic Consequences of Declining Birth Rates and Population Growth Rates," *Taiwan Economic Research Monthly* ,(Oct 1, 2014), accessed in May 12, 2021

natural population increase rate is high, up to 36.8. To reduce the birth rate, in 1968, the government promote the slogan called” Two children happen to be, one children are not too few (二個孩子恰恰好，一個孩子不嫌少).³ ” As for the policy promoted by the government, in 2011, the ministry of the interior has also announced that it would reward the third child and give a monthly subsidy of NT\$3000 until the child was two years old.⁴ In Taiwan, the government also promoted some policies like childcare allowances would be increased again, promotes the publicization of private and children, and expands social housing, etc. Since 2018, The Ministry of Health and Welfare has promoted the public childcare policy, increasing the childcare subsidy from 3000 dollars to 6000 dollars, and the childcare allowance remains at 2500 dollars⁵. Second one is advances in medicine and technology, Because of the advanced medicine, severe illnesses that were previously incurable can now be treated, or they can prolong the life of the disease. Advances in science and technology have made life more comfortable. And in nowadays, elder people pay more and more attention to health care. So their average age was already longer than before. Therefore make elder people’s life more colorful is also the way to deal with aging society, like encourage elder people engage in leisure and entertainment, the most popular activities for the elderly include: jogging, go abroad, Planting flowers and trees...etc. These activities not only can make them healthy but also mental pleasure. In 2018,Taiwanese government had already promote a activity is called Elderly meal(老人共餐), it’s purpose is that in order for the elderly to have more opportunities to "get together", out of the house, after all, eating alone will only

³ Ibid.

⁴ Fu Shun Huang, "Challenges and Responses of the Aging Society," *Adult and lifelong education*, (July 29,2011), accessed in June 12, 2021

⁵ Xin Fang Li, "Taiwan's Population Has Experienced Negative Growth for the First Time", *The News Lens* ,(Oct 24,2019), accessed in May 17 2021, <https://www.thenewslens.com/article/145770>

become more melancholy. In this way, it can promote the connection between the elders and the society.⁶ The next one is lack of healthcare center; elderly people can only live in nursing homes or nursing homes due to physical decline or gradual loss of independent living ability. However, due to serious shortages, they must wait for a long time (up to 11 years). At present, the land price and construction cost of newly-built institutions are soaring. , And land is difficult to obtain, so the lack of institutions will definitely become more serious in the future. So in 2018, there is a policy in Taipei that instead of living in healthcare center. If there is an elder person don't feel well, he just have to call 119 and a doctor will come to his house to diagnose him.⁷

Elder People's Retired Life

As for this issue, elder people have to find their own interest before they get retire or do some leisure activities. The most enthusiastic activities for the elderly include: walking in community parks or other public places in the morning, doing morning exercises or Tai Chi, practicing Qigong, participating in domestic and foreign tourism, playing chess, bridge, mahjong, singing, playing musical instruments, music and drama appreciation, plant some flowers and trees. Keep a pet. Some of the above activities are to achieve good health; the others are good for spiritual pleasure.

The Income Problem of Elder People

Because the number of elderly people has increased greatly, and the government is overwhelmed. Retirement pensions have decreased, and social welfare and health

⁶ Mei Ru Huang, "[Abei Fights Hard to Decrypt] Because Taipei's Elders Don't Understand Enough, Ke Wenzhe's "Four Major Policies for the Elderly", *citi orange*, (Nov 27, 2018), accessed in June 11, 2021, <https://buzzorange.com/citiorange/2018/11/27/how-ko-p-treated-elderly-in-taipei/>

⁷ Chih-Yuan Shih, "Construct a Value-Oriented Home Medical Care Model," *North City Medical Journal* , (Nov 30, 2017), accessed in June 11

insurance payments have decreased. Medical, nursing and other expenses for the elderly increase. In order to deal with this problem, in Japan, the country is also the aging society, encourage the elder people return to workplace, according the data from Japanese Health and Welfare Agency, encourage elder work again can increase 500,000 working population. This not only can increase elder people's income but also enhance the labor force. So in the future, Taiwanese government adopted such this measure would already become an inevitable trend.⁸

The Effect of Aging Society

First one is elderly people are generally discriminated against. In ancient times, old people represented wise men. They lived for a long time, and their experience and experience could be passed on to the next generation. Therefore, the old people were respected in ancient times. In modern times, they have become light old people. The elderly are regarded as worthless, they no longer have status after retirement, their incomes are reduced, and the society has not given them new roles.⁹ Second one is after the family system changed; the elderly lacked a support system. The expansion of the family system prevailed in ancient times, with four or five generations living together, and there were usually dozens or more than a hundred family members. The elderly are cared for by their spouses and children. In modern times, nuclear families account for the majority. After their children start a family, most of them will find new homes. There are two old couples left. After their spouses pass away, they will become elderly people living alone, lacking care and support.

⁸ Fan Er Ai, "Manpower Shortage Japanese Elderly People Return to the Workplace, Work Adjustments and Countermeasures Are a Problem," *TechNews* (May 21, 2019), accessed in June 11, <https://technews.tw/2019/05/21/japan-work-older-people/>

⁹ Wen-Mei Cai and Yu-Zhi Liu, "A Socio-Demographic Study on the Health and Longevity of the Elderly," *China Population Science*, (Dec 1, 2001), accessed in June 11

METHODOLOGY

Research Design

The way of research method is that the researcher found some journals or magazines which focus on aging society and tried to analysis the trend of aging society in Taiwan.

Like there is a periodical called Journal of Welfare Technology and Service Management. It had a short name called JWTSM. This periodical was founded in 2012 and issued by the Chinese Society of Welfare Technology and Service Management(中華福祉科技與服務管理學會). This organization's purpose is enhancing the level of welfare academic research and related technology, and promotes the exchange of international welfare technology and service management related research. This organization also has three goals, first one is promote domestic and international welfare technology and service management academic and technical research development and service matters, second one is publication of publications on welfare technology and service management and the third one is other matters related to welfare technology and service management. This periodical is focus on elderly welfare technology and elderly care services and management. The scope of this periodical includes discussions on the health, housing, mobility, communication, leisure and work issues of the elderly.

This periodical had included a lot of articles that talking about elder people's welfare and this periodical include the data from 2013 to 2021. The articles from this periodical will also upload to Airiti Library(華藝線上圖書館). Airiti Library is a website that includes many periodicals and academic journals.

Because the articles had undergone rigorous scrutiny, the periodical will stable

update and these articles will also upload to a reliable literature website. So use JWTSM to do content analysis is a good tool to do it.

Source of Data

The source of data is from a journal called "Journal of Welfare Technology and Service Management(JWTSM)". This periodical was founded in 2012 and issued by the Chinese Society of Welfare Technology and Service Management(中華福祉科技與服務管理學會). This organization's purpose is enhancing the level of welfare academic research and related technology, and promotes the exchange of international welfare technology and service management related research. This periodical is focus on elderly welfare technology and elderly care services and management. The scope of this periodical includes discussions on the health, housing, mobility, communication, leisure and work issues of the elderly.

This periodical had included a lot of articles that talking about elder people's welfare and this periodical include the data from 2013 to 2020. In other words, this periodical has a stable update. This website is also free; anyone who interested in aging society can browse this website.

Instrumentation and Data Collection

The following figure 1 illustrates the process of data collection in this research paper. There are three steps of data collection. First step is: find out these study issue (the policy of aging society, elder people's retire life, the income problem of elder people, and the effect of aging society) how these issue develop in 2013~2020. Second step is use this periodical "Journal of Welfare Technology and Service Management" (JWTSM) to find out whether this journal talk about these study issue

or not. Last step is analysis the content in this journal.

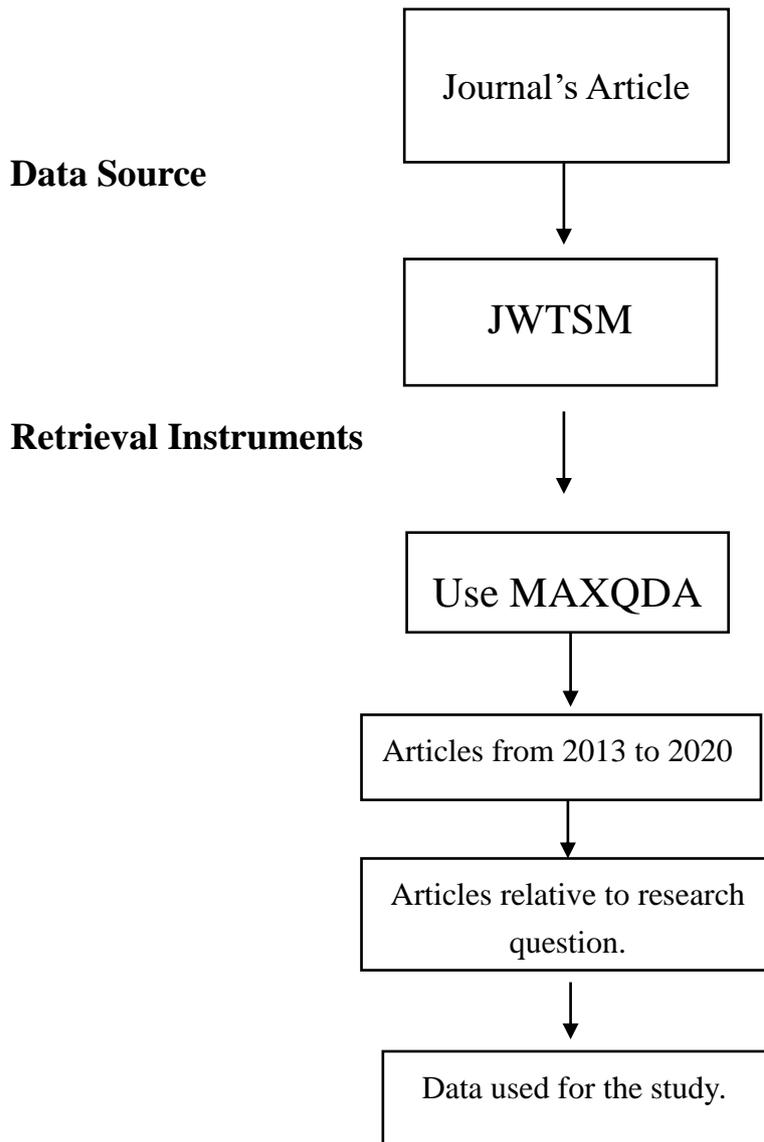


Figure 1: The process of data collection

Tools for Data Analysis

The data analysis process was carried out by qualitative data analysis. The researcher used “MAXQDA” classify the collected articles into themes.

The collected articles classified into four themes, which were (1) polices (2) retirement life (3) income (4) effects. And then if there was an article related to polices, it would be classified into polices; if the article related to retirement life, it would be classified into theme two and so on.

Therefore, through the above steps, the researcher can analyze the collected articles and understand the trend of the aging society from these articles.

DATA ANALYSIS

Content analysis was designed to explore the trend of different major issues related to the aging society in Taiwan from 2013 to 2020. The period of content analysis was from June 30 to August 10, 2021. The 404 pieces of journal articles collected for analysis were from the Journal of Welfare Technology and Service Management (JWTSM) and analyzed with MAXQDA.

After collecting the data, the journal aim at the policy of aging society mostly focus on home healthcare. In other words, they focused on take care of elder people in their home instead of sending them to nursing home and hospital by use some specific app or some system. Some journals also focus on elder people and caregiver's demand, too. Elder people's retire life focuses on how elder people planning their life before they retire and their service requirement of travel and exercise. The income problem of aging society focuses on how to reuse senior human resources or encourage elder people take some courses before enter the workplace again. As for the effect of aging society, this journal focuses on aging society effect on many sides, like depression, people's attitude about aging, commodity price and the chance of elderly welfare technology industry.

Actually the articles in this journal involved two or three research questions. For example, there is an article talking about learning but the content may involve two research questions like elder people's retire life and the effect of aging society.

After gathering 404 pieces of journal articles, this journal had 291 articles were not relative to the research question so there were 113 articles can be analyzed.

Coding in MAXQDA was used to check the main point in each article and then explore the trend of different major issues related to the aging society in Taiwan. The

table 1 is the codes of research questions.

Table 1: Codes of Research Questions

RQ \ Years	2013	2014	2015	2016	2017	2018	2019	2020	Total
Policies	63	135	80	163	70	221	82	98	912
Retirement life	66	62	84	91	124	89	172	52	740
Income	20	26	25	9	26	37	36	58	237
Effect	21	31	29	58	117	60	51	48	415

These codes were divided into four research questions:

1. What was the trend of Taiwan's policies for the aging society since 2013?
2. What was the trend of elder people's retirement life in Taiwan since 2013?
3. What was the trend of income problems for the elder people in Taiwan since 2013?
4. What was the trend of the effects of aging society on Taiwan since 2013?

Trend of Taiwan's Policies

RQ1 aimed at finding trend of Taiwan's policies from 2013 to 2020. Aging society had already derivative many problems, like because lack of health center and human resource, many elder people can't get proper care. So JWTSM wants to take care of elder people at home. But in the meantime, there were some problems, such as how to take care of elder people at home? Any ways to deal with lack of health center and human resource, when the disaster came, how to elder people prevent them? In RQ1, there are six themes, robot, system, lower birth rate, disaster prevention, art and prevent fall.

Robot: Aging society has already causes lack of health center. Because of this problem, many elder people can only stay at home. But some elder people don't have family or their family live far away from them. So the robot is the way of deal with this problem and this journal wants to understand elder people's thought about take care by robot.

In article published in June 27, 2017 indicate the huge demand for care for the elderly and the shortage of care manpower have promoted the market development of medical care system equipment and the development of care robots has also received attention year by year. So this journal wants to explore elder people's acceptance about robot.

According to their research, most elderly people can identify with robots with a positive attitude. At the same time, the confidence and ease of operation of elderly people have a significant impact on whether they are willing to accept robots. In the future, through teaching, the elderly can overcome obstacles to use, increase their confidence in operating medical equipment, and increase their willingness to

introduce and use robots.

In article published in September 25, 2018 indicate there was a robot called “Zenbo” made by ASUS. This robot can provide basic daily life assistance for the elderly. This article wants to explore elder people’s experience.

According to their research, most of elder people love this robot because “Zenbo” is interactive and capable of dialogue, some elder people think “Zenbo” easy to use too. But some elder people think “Zenbo” is not sensitive enough to speech.

In September 26, 2019 indicate in order to meet the increasing demand for care, Taiwan has set up community care and care bases in various places since 2005 to build a primary health service network. Although the promotion of the base has achieved certain results, it is gradually facing the dilemma of insufficient volunteers and the elderly expressing the need for more companionship and entertainment needs. So robot is the way to deal with insufficient volunteer. But this journal finds that most of the existing research focuses on the application of long-term photography or the medical system, and few researches explore how robots can be used in care base. This journal focuses on how robot applies to care base.

According to their research, they think robot can apply to lead elder people to do exercise or have some simple dialogue with elder people. This journal also finds that this will have ethical issues like maybe will invasion of privacy. So they think that robots and humans can adopt a division of labor model.

System: In order to solve the lack of health center, JWTSM thinks that use some technologies are also the way to deal with this problem. So this journal wants to combine social network and cloud with home telehealth system to take care of elder people.

In article published in May 9, 2013 indicate JWTSM wants to create home

telehealth system by social network. Home telehealth system generally focuses on establishing the connection between the home environment and the medical care service organization. The service content is also mainly health care, and the system function focuses on the acquisition and transmission of physiological signals. This journal hopes that children can't live with their parents can use this system to take care of their parents.

In article published in December 18, 2014 indicate this journal is aim at combine home telehealth system and cloud system together.

This journal thinks that the advantages of connecting the home care system to the cloud are far greater than using local equipment, such as the security and reliability of historical data, flexible and easily expandable computing power, and analysis and induction of monitoring information to determine the current state and predict the possibility of future development.

In article published in March 15, 2020, indicate JWTSM wants to create a transportation platform for elder people.

Among the various medical transportation vehicles in Taiwan, the needs of the elderly and insufficient information make the elderly feel troubled in the process of seeking a doctor. Although the transportation vehicles are diversified, they often miss the opportunity to use them, resulting in a waste of resources.

In order to solve this problem, this journal wants to create a transportation app. After testing, some elder people have a positive response to the operation and function. However, this journal finds that elderly users still feel uneasy about unfamiliar smart mobile apps, and are obviously afraid of operating errors. So it is necessary to have more guidance and feedback in the app.

Lower Birth Rate: Aging society also causes lower birth rate. Because take care

of elder people have to spend a lot of money, so people don't have another overhead to raise children. So in article published in May 14, 2016 indicate JWTSM wants to explore the relationship between lower birth rate and aging society.

With the ageing of the population, the government must invest more in social welfare expenditures, resulting in an increase in financial burdens, invisibly increasing the potential liabilities of the labor force and reducing real income, increasing the relative cost of childcare and exacerbating the phenomenon of low birth rate.

According to their research, they think that to slow down aging, we must first increase the fertility rate and increase the fertility rate. At the same time, we must solve the social burden caused by aging, and then increase the willingness to bear children.

Disaster Prevention: According to report, after the typhoon Xiangshen in 2000 drowned many elderly people in a nursing home in Keelung, related reports appeared in 2009 and 2010. Therefore, how to help the elderly to safely evacuate when a disaster strikes is an urgent issue. So in article published in January 8, 2015 indicate this journal focuses on explore how elder people who live in institution prevent disaster.

According to their research, this journal finds that location distribution is also one of the important factors that contribute to the fragility of institutions. Especially Taiwan is in a multi-hazardous area, which makes the location of institutions more important. Therefore, this research hopes to approach from the perspective of spatial distribution and try to respond to the concept of local aging. Establish an organization's community-based disaster prevention network system, which not only assists the organization's communityization, but also enhances the organization's

disaster prevention capabilities.

Art: Compared with the past, human beings have a richer material and economic life, but their mental health has not improved significantly. But in related research, it can be found that art is very helpful to mental health. So in article published in November 9, 2020 indicate this journal is aim at explore art treatment apply on care service.

This journal finds that art has psychotherapeutic effects and affects physical health. At the end of the 19th century, Franz Cizek in Vienna began to promote the concept that art is helpful for emotional development; in the 1920s, Carl Jung used therapy for the purpose of painting and working for patients; in the 1930s, American art therapy pioneer Naumburg believed that human thoughts and emotions were most often It comes from the subconscious and uses mental expression instead of language to apply art to psychotherapy.

According to their research, they think the challenge is medical service providers' cognition and trust in the implementation and efficacy of art prescriptions and the degree of acceptance and cooperation of elderly service objects towards art prescriptions.

Prevent fall: With the aging of the world's population, the prevention of falls for the elderly has become one of the most important public health issues in the world. Falls not only have a high prevalence and recurrence rate, but are even an important factor in causing serious injuries and deaths to the elderly. So in article published in November 9, 2020 indicate this journal focuses on how elder people prevent from fall.

Fall is a serious harm for elder people. It will cause Fracture and head injury or even died. It will also affect psychological level. Elder people who used to fall will have some bad experience like anxiety, depression, fear of falling, and loss of

self-confidence, feeling of powerlessness, feeling uncontrollable with the surrounding environment, and wanting to forget the bad experience of falling as soon as possible.

So how elder people prevent fall? According to their research, some elder people will be careful because they don't want to cause trouble to their family. And some elder people will share their experience to each other to prevent fall.

Trend of Elder People's Retirement Life

RQ2 is trying to find out elder people's retirement life from 2013 to 2020.

According to the data from JWTSM, elder people's retirement life is go to travel, do some exercise to keep healthy or some elder people would keep learning to earn some new skills. But what is elder people's demand on travel and sport, why some elder people want to keep learning or how elder people prepare for their retirement were JWTSM wanted to focus on. In RQ2, there are four themes, travel, sport, prepare for retirement and keep learning.

Travel: According to JWTSM's research, travel is elder people's main retirement activity. So this journal wants to understand elder people's demand on travel and why they want to go to travel.

In article published in May 9, 2013, indicate this article wants to explore elder people's demand on travel.

The aging of the population structure is a common phenomenon all over the world. Elder people are regarded as the main consumer in the future. Due to the high demand of the silver-haired people for tourism services, elder people's tourism market will become an important part of the future tourism market. This journal finds that the tourism market for elder people in Taiwan has just begun to develop, and the demand for tourism services of elder people is not so clear. So by this chance, this journal

wants to understand elder people's demand.

According to their research, elder people's demands are they hope can provide custody service; can choose safety country...etc.

In article published in August 4, 2014 indicate this journal wants to explore what is the factor affect elder people go abroad.

According to their research, attitude, desire and subjective norms are the factors affect elder people go abroad. Attitude refers to the cognition or emotion generated by the individual after evaluating the target behavior. Subjective norms refer to the personal perception of the views of the surrounding important stakeholders on the behavior of the target. This journal also finds that the attitude of the elderly towards foreign travel will arouse the desire to travel abroad. Subjective norms are the most important factor influencing the intention of elder people to travel abroad, which means that elder people believes that those who have influence on it agree that they travel abroad and are an important factor in the formation of their intention.

In article published in June 15, 2015 indicate this journal wants to explore whether elder people's environmental restorative perception, perception of physical and mental health will affect travel's satisfaction or not.

This journal finds that the environment with restorative perception is loved by tourists, and the impact on the middle-aged and elderly people is particularly obvious. Because in the environment with restorative perception, the middle-aged and elderly people can relax from it, not only in the visual sensory effect, but also in the body. The soul is repaired, and at the same time it helps to increase the satisfaction of tourists.

According to their research, some aspects of environmental restorative perception and perception of physical and mental health will affect tourist satisfaction.

In article published in November 4, 2016 indicate this journal wants to explore how tourist factory attract elder people to visit.

Taiwan Mochi Theme Pavilion is a unique tourist factory in Nantou. There are many tourists, and many of them are middle-aged and elderly people. So by this chance, this journal wants to explore how this factory attracts elder people to visit.

According to their research, many elder people think that this factory's mochi is delicious. They think service personnel's attitude is very kind and after they visit the factory, they think they can learn more knowledge about this factory.

In article published in February 9, 2017 indicate this journal wants to encourage elder people to travel.

Elderly people encounter various obstacles when participating in leisure activities or tourism, which lead to their unwillingness or inability to participate in activities. Common obstacles include: time, gender role, income, health, residence and life cycle, etc. This journal finds that Japan's practices for leisure travel for the elderly include: the registration system of friendly hotels for the elderly, the provision of equipment and information services for the physically impaired, the provision of nursing travel services for the elderly, assistance for the elderly with mobility impairments to use wheelchairs for sightseeing and travel assistance, examinations for senior friendly travel assistants and other related measures, etc. So they will refer Japan's way to do the research.

According to their research, they think the elder people can promote the travel care system or escort methods, so that the elderly with disabilities and their families can also travel together. This journal also advice government plans to appropriately subsidize the travel and nursing expenses of the elderly, and to control the qualifications and certification system of travel and nursing staff, and even have a set

of norms and management methods for the charging methods.

Sport: According to JWTSM's research, sport is also another elder people's retirement activity. Sport has a lot of advantage for elder people, not only can stay healthy but also can make more new friends while doing exercise. So by this chance, this journal wants to understand elder people's demand on sport, their thought about pickle ball and sport app.

In article published in May 9, 2013 indicate this journal wants to explore elder people's sport demand.

The participation of the elderly through sports will improve their living conditions and unsatisfactory life. But this journal finds that the design of sports equipment and environmental facilities is mostly based on the needs of young and middle-aged people, and the convenience of operation and use mostly fails to meet the needs of the elderly, which affects the willingness of the elderly to participate in sports.

According to their research, when the elderly are exposed to new sports or learn new sports skills, they need someone to assist or have professional guidance, and professional sports advice can make it easier for the elderly to become interested in participating in sports. And through sport, elder people hope can make new friends to expend relationship.

In article published in December 13, 2018 indicate this journal wants to explore elder people's experience and acceptance about pickle ball.

Pickle ball is an emerging sport that has developed rapidly in the United States in recent years. It is a racket sport that mixes tennis, badminton and billiards. In terms of physical activity, pickle ball is suitable for all ages.

According to their research, elder people know pickle ball is because introduce

by friend. Elder people think pickle ball's advantage is easy to play and the disadvantage is lack of people play this sport. And elder people also think that pickle ball referees are not professional enough to lose the fairness of the game.

In article published in June 24, 2020 indicate this journal wants to explore elder people's demand on sport app.

Although in the past middle-aged and elderly people were not concerned about technological products, in recent years, smart phones have gradually become favored by middle-aged and elderly people. Regular exercise is one of the strategies to maintain health, but there are few studies discussing the needs of middle-aged and elderly people to use sports apps in life.

According to their research, app will give different evaluations to the product due to different external conditions. For example, some elder people like sport app is because they watch sport video without connect Wi-Fi. Some elder people think it is not convenient when the sport picture have too many detail. The others think that they prefer exercise with other classmate.

Prepare for retirement: JWTSM thinks that prepare for retirement is very important for elder people. If elder people think about the aging problems they may face in advance, and take actions to respond to and plan for future life, then they will have a course of learning and action, so that they can lead an active and meaningful life when they enter the old age. So this journal wants to understand the retirement readiness of the elderly.

In article published in April 28, 2014 indicate this journal wants to explore how elder people prepare for future.

This journal found that Taiwan will enter an elderly society in 2018, and it has become an important issue to cope with the challenges posed by an aging population.

So this journal wants to understand future preparations for the elderly.

According to their research, some elder people want to do something they want to do instead of stay at home. Some elder people want to keep working to serve other elder people. The other people want to keep interactive with society to make new friends. This journal also found that many elder people concern about their health, so keep healthy is their plan for retirement.

In article published in June 15, 2015 indicate this journal wants to explore why teacher retire earlier.

In recent years, early retirement of teachers has gradually formed a trend, and the retirement age has also shown a decline. This journal thinks that the future adjustment and response methods for retirement will be a very important issue for retirees.

According to their research, the factors are some teachers think their health is decline; they want to have more time with their family and they are eligible for retirement. As for strategy, this journal thinks that they can engage in volunteer to interact with other people and keep learning to gain more skills.

In article published in May 14, 2016 indicate this journal wants to explore police officer's relationship between work pressure, job satisfaction and retirement attitude.

Taiwan's society has continued to change rapidly in recent years. The popularization of civic literacy and rule of law education has increased people's expectations of the police. Public departments have become more and more dependent on police enforcement and administrative assistance projects, such as food safety, epidemic prevention, and disasters responses, etc., have led to an increase in police service and business. These will lead the tendency of police officer to retire willingness and attitude is becoming more and more obvious.

According to their research, they found that due to the characteristics of police

work, the pressure of police work and the decrease of satisfaction are more obvious than those of ordinary civil servants. These attitudes may have a negative impact on the willingness of the police to work, and then the attitude of retirement.

In article published in December 18, 2017 indicate this journal wants to explore how public officials prepare for retirement.

This journal finds that In Taiwan, public officials are an ethnic group with relatively stable jobs and incomes, but life planning and adjustment after retirement, and changes in retirement mentality have always been issues that lack attention and guidance. In addition, the issue of pensions for public officials has been heated up in recent years. It also forces retired public officials to face different plans or changes in their post-retirement life.

According to their research, they found that most public officials don't have any plan for retirement. Most of them will choose retirement is because they are getting old or health condition. This journal also found that male will keep working after they retire and female will go to travel or do some exercise.

Keep Learning: JWTSM finds that some elder people choose to keep learning after they get retire. Learning can be divided into many types, like learn more knowledge or become a volunteer. So this journal wants to understand elder people's thought about service learning, learning Japanese and participate in magic.

In article published in April 16, 2018 indicate this journal wants to explore service learning experience for the elderly.

According to their research, they found that the reasons for being willing to continue to serve are mainly driven by external factors. External factors are related to the encouragement of others and the influence of the environment. Like some elder people will engage in service learning is because neighbor's invitation. Retired people

usually have more than one type of learning, and experience learning is the most common. Experience learning is in contact with specific experiences, through observation and reflection, one can understand one's own actual experience, and then through reflection, new principles and concepts can be realized.

In article published in September 26, 2019 indicate this journal wants to explore the motivation of elder people learning Japanese.

According to their research, elder people want to learn Japanese is because they have a strong interest in Japanese, like Japanese culture, hope can travel to Japan, some elder people think that learning Japanese can activate the brain and delay degeneration and some elder people can make new friend in Japanese class.

In article published in March 15, 2020 indicate this journal wants to explore residents of long-term care institutions participate magic.

This journal finds that the learning and performance of magic can improve the learning status of learners, and have good results in behavioral ability, social activities, and fine movements and so on. The follow-up scholars showed that magic is involved in medical, educational, psychological, and social related research, and determined that such interventions can help learners promote physical and mental health.

According to their research, this journal finds that this activity can increase interpersonal interaction to let elder people make new friends. During the actual operation, elder people can use their brain and promote physical activity. In addition, they can get a sense of accomplishment.

Trend of Income Problems

RQ3 is aimed at trend of income problem from 2013 to 2020. Many elder people may encounter insufficient income after retirement; so many elderly people will

choose to return to the workplace. But this also have some problems, like how to ensure elder people's safety when they were working, how to help elder people with mobility problems who were experiencing insufficient income and Taiwanese government's labor policy. In RQ3, there are four themes. They were: improve workplace, Health Park, keep learning and labor reuse.

Improve Workplace: Because Taiwan has become aging society, which means that elder people are increasing year by year. So let elder people get back to work has become government's policy and make sure elder people are safe in the workplace is very important for the government.

In article published in September 30, 2013 indicate this journal wants to explore elder people's work safety and employment quality.

With the aging of the world population structure and the transformation of the service economy, in Europe, America and many Asian industrialized countries, the employment of middle-aged and senior workers has become an important labor policy to maintain social and economic development and relieve government financial pressure. However, the social situation and physical and mental conditions of the elderly often have special needs. How to make them continue to work safely and healthily in the workplace and prolong their healthy productivity should be a core issue in the employment promotion policy. And this journal also finds that discussion on the social distribution status and safety and health issues of middle-aged and elderly workers is also quite limited.

According to their research, this journal thinks that there four points that elderly workers need to consider, job skill development like arrange some education Training, work and family time balance, health and welfare , work life and employment security.

In article published in April 28, 2014 indicate this journal wants to improve elderly labor's workplace in metal industry.

In recent years, with the development of the economy and the advancement of medical and public health in Taiwan, industrial production is facing the impact of a declining population and an aging labor force. Facing the aging of the labor force has become an important socio-economic issue. Occupational musculoskeletal injuries have accounted for a very high rate in my country's labor insurance occupational disease benefits in recent years, and they have received considerable attention on the issue of occupational diseases. This disease originates from workers who perform long-term repetitive movements, excessive exertion and improper working postures, resulting in local chronic injuries and even occupational diseases such as lower back pain and intervertebral disc herniation. The physical fitness of middle-aged and elderly workers is weakened to the job content and working environment.

According to their research, this journal finds that many Taiwanese metal middle-aged and senior workers are mostly male laborers working in high-risk human-related working environments, so there is an urgent need to improve the working environment to prevent any musculoskeletal injuries and occupational injuries.

Health Park: Due to some health condition, maybe some elder people can't get to work. So in article published in November 4, 2016 indicate this journal wants to build a health park for elder people.

Due to the development of medical technology and breakthroughs in medical technology, the "average remaining life" of Taiwanese is increasing year by year. However, with the emergence of post-war baby boom and declining birthrates, policies related to the life of elder people are imminent; how to improve the quality of

life of elder people in an aging society is the most important issue that relevant units should discuss today. According to the data from OCED, the proportion of elder people over 65 years old entering institutions is showing signs of declining year by year. In the 1970s, the OECD put forward the concept of aging in place, which is also widely welcomed by the long-term care policies of various countries. Mainly, the organization is the supplement; because of this method, it can give the elderly a more familiar living environment and create the greatest satisfaction for the elder people's physical and mental needs.

According to their research, the facilities that the elderly think they should have are landscape trail, leisure farm and karaoke. In addition, the health park also provides three pings of land per person for the residents to grow fruits and vegetables; nearly half of the elderly expressed their willingness to cultivate and are willing to adopt the user-paid method.

Keep Learning: Learning has a lot of advantage for elder people. Like can learn more skill and make new friends while learning. But how to elder people persevere is another issue. So in article published in June 15, 2015 indicate this journal wants to explore that let elder people keep learning by institution owner's strategy.

Due to the advancement of medical treatment in our country, the average life expectancy of people has been continuously extended, which has changed the population structure. Coupled with the development of high-tech technology and the inspiration of lifelong learning concepts, the rapid rise of senior education institutions and senior learning activities has promoted the rapid rise of senior citizens, and the elderly have become a new population of adult learning activities. However, how to enable senior citizens to continue to participate in learning, and how the operators of senior education institutions can help senior citizens continue to learn are topics worth

exploring.

According to their research, institution owner's strategies are build emotions and give care, improve the cohesion and sense of identity of the organization, listen to learners and give encouragement.

In article published in February 9, 2017 indicate this journal wants to explore elder people who extend their retirement age and their life expectation and learning.

Taiwan's population structure is gradually aging. With the ups and downs of the labor force, the proportion of middle-aged and elder people is increasing year by year, which will cause structural changes in industrial development and lifestyles.

Therefore, the government has written "Retire at the appropriate age and extend the retirement age" into the white paper on the policy for senior citizens. In the future, the inter-ministerial meeting will also introduce a series of measures to increase the labor participation rate of elder people.

According to their research, this journal finds that the career counseling that the elderly need is not only to extend their retirement, but to understand the reasons and psychological expectations of their extended retirement before they retire, and then assist them in job search planning, and tailor-made conversion learning courses for reemployment. They do not become invalid human resources in the society, and then become an important renewable human resource, which can continue to serve the society and establish them.

Labor Reuse: Aging society had cause lack of labor. So how to use aging labor efficiently had already become an inevitable issue. To deal with this issue, the government had already put a lot of effort in it.

In article published in December 13, 2018 indicate this journal wants to explore how England, America, Japan and Korea reuse labor.

In the research series related to the elderly, "employment/reuse of labor" is often an overlooked or avoided topic. However, the social phenomenon of declining birthrates at the advanced age has caused serious problems of aging and shortage of labor in the current workplace. Therefore, how to effectively reuse the elderly labor has gradually become an important part of the human development policy of various countries.

According to their research, this journal finds that on the one hand, the governments of the four countries actively assist the elderly to achieve improvements and enhance the employability of the elderly through diversified vocational training or education and training systems. On the other hand, appropriate adjustments to the work content enable the elderly to engage in related work content, and to make more use of the advantages of the elderly, reduce the differences between different generations, and hope to achieve a win-win situation by learning from each other. In addition to assisting the elderly through training, other public employment measures or measures provided by the government and owners, including job matching, providing relevant employment information or handling related employment activities, will help the elderly have the opportunity to play its ability.

In article published in September 26, 2019 indicate this journal wants to explore reuse labor by Social Continuity Theory.

Social Continuity Theory is mainly focuses on the relationship between what individuals do and their psychological functions, and does not focus on the degree of individual participation in various occupations. It is a theory that has long focused on the social and psychological adaptation of the elderly. Under the influence of population aging and average life expectancy, most senior citizens will face an old age of 20 to 30 years. The long retirement life is prone to negatively affect the elderly

themselves, it also causes a waste of human resources, and virtually increases the financial burden of the entire society. Therefore, the issue of the reuse of retired manpower is highly valued by many countries.

According to their research, this journal thinks that the value of life of the elderly should be re-examined and valued. In particular, the society of declining birthrates is rapidly advancing at an advanced age, and countries and countries have seen a trend of declining young labor. To solve this phenomenon, various policies and measures are planned and implemented, and a diversity of elderly workers is provided. In order to appropriately increase the labor force and maintain the momentum of economic and social development.

In article published in March 15, 2020 indicate this journal wants to explore how senior social enterprise link local resource.

Taiwan officially entered an elderly society in 2018, and will soon become a super-aged society in 2025. Facing the rapid aging of the population, serious social problems such as health degradation and huge medical resources caused by the aging population have emerged one after another at this stage. In recent years, many senior social enterprises have been established in Taiwan to cope with the above phenomenon.

According to their research, this journal finds three companies that actively integrate local resources, pragmatically link local groups and continue to develop external resources. Company A originally focused on promoting core courses for senior citizens, Company B focused on implementing community care and home care in line with the long-term care policy, and Company C combined senior education with agricultural product promotion, and both continued to link local resources to commit to innovate services and derive multiple active aging solutions such as the

development of characteristic industries and inter-generational interaction.

Trend of the Effects of Aging Society

RQ4 is aimed at the effect of aging society from 2013 to 2020. Because of aging society's effect, some elderly people feel lonely and unneeded, this phenomenon has affected many industries, but it has also created the rise of many industries. JWTSM had already figured out some ways to promote interpersonal interaction between different generations. In RQ4, there are five themes, life, influence, interact, aging education and cultural heritage.

Life: Due to aging society's effect, some elder people will feel lonely or feel they are useless for the society. In order to deal with this problem, this journal makes some efforts, like recall therapy.

In article published in September 30, 2013 indicate this journal wants to design an animated memoir for elder people.

In the life journey of the elderly, there are always the most brilliant times, and when these experiences gradually blur with the memory, they often feel that life seems to be missing a corner. In order to make these memories vivid again, this journal wants to understand the important memory segments of the elderly in life; collect their related photos, and make a personalized memoir animation based on the concept of nostalgia treatment.

According to their research, this journal finds that through reminiscence therapy, self-affirmation, socialization, sense of accomplishment and depression can be improved. Can make good use of tools for inspiring memories of objects or events that are meaningful to the elderly, and use non-verbal communication such as touch, massage, and physical joint activities to express care for the elderly, and adopt an

attitude of empathy, respect, care, and understanding. Reduce their depression and promote the health of the elderly.

Birth, old age, sickness and death are an inevitable process in life, which means that aging is inevitable for people. There is a scholar, Erikson H. E thinks that the task of development in old age is either self-regulation or pessimism and despair.

Self-organized elders can do whatever they want and enjoy more than a year. Elders who are pessimistic and desperate will regret the past and be pessimistic and frustrated. In article published in May 14, 2016 indicate this journal wants to explore elder people's thought on four ways of life.

Four ways of life are thanks, love, apology and goodbye. These four words were developed from the tranquility care system. Medical staff believe that if the patient who is about to end his life can relieve the pain and preserve the dignity of life; it is the best care for the patient and their families. Therefore, they actively guide the patients and their families. Through the four ways of life: "Thank you, love, apologize, and say goodbye" to achieve "good death, good farewell, and good life."

According to their research, they find that elderly people of different ages have similar views on the four ways of life. The targets of the four ways are mostly relatives, especially the other companion and children. They also find that female elders are more willing to be interviewed and are willing to speak the truth because male elders pay more attention to face and self-esteem, so they dare not interview.

Influence: Although aging society causes a lot of problems, this phenomenon has also led to the rise of many new industries. So this journal wants to explore impacts and opportunities brought by an aging society.

In article published in April 28, 2014 indicate this journal wants to explore gerontechnology's challenge and chance.

Gerontechnology is use for design technology and environment for independent living and social participation of older persons in good health, comfort and safety. In the face of the future social pattern of the elderly, the development of the welfare technology of the elderly is an important opportunity for the industry, and the welfare of the elderly technology absolutely needs the active participation of the industry, and the real implementation of the product/service, the actual benefit of the elderly and their caregivers, in order to show their value.

According to their research, they already design some systems like home telehealth system, intelligent home rehabilitation system, ambient assisted living...etc.

In article published in May 14, 2016 indicate this journal wants to explore the impact of aging society on prices.

The stability of the general price level is the most important control goal of the overall economic policy, and the price inflation rate is one of the familiar painful indexes. This journal finds that past research focused on the factors that affect the price level on the changes in the total supply and total demand curves. The factors that affect the total supply and total demand include economic growth, unemployment, capital investment, etc. However, as far as demographic economists are concerned, changes in the population structure are an important factor affecting the total supply and total demand.

According to their research, this journal finds that when the ratio of supporting the elderly increases, prices will fall.

This journal wants to explore the impact of aging society on share price in 2016.

According to research, the sequence of financial decision-making in the life course is that real assets are purchased at the young stage, and financial assets are

constructed at the old stage. Therefore, demographic changes have a significant impact on the prosperity and decline of the stock market. However, past studies have inconsistent conclusions on the directionality and significance of the impact of demographic changes on the stock market.

According to their research, this journal thinks that when individuals are young, they mainly build real assets, and gradually build financial assets as they grow older. Therefore, when the population continues to age, the stock market will have a wave of support caused by changes in the demographic structure.

In article published in January 8, 2015 indicate this journal wants to explore the impact of aging society on emergency medical and how to prevent emergency medical.

According to data, in 2011, the number of emergency patients in Taiwan was 4,222,192, the frequency was 12,472,601, and the cost was as high as 1,773,051.36 thousand points. Among them, the emergency medical expenses of the elderly over 65 accounted for 32.17% of the total. With the rapid aging of the population, what is the future emergency medical burden? How to avoid emergencies?

In order to deal with this problem, this journal spends two years to do the research. First year is estimate the emergency medical needs of the population of all age groups by using data such as the population estimation of the Economic Development Council. Second year is using empirical data to analyze the situation where the elderly in our country can avoid emergency treatment.

In article published in June 24, 2020 indicate this journal wants to explore the influence of self-efficacy and self-esteem of the elderly on depression tendency.

Depression is one of the common psychological imbalances of the elderly population, not only affect the mood of the elderly, but also affect the physical health

of the elderly, the early prevention and treatment of the tendency of depression in old age has become an important public health issue, and in the older years of the relationship between physical and social roles, due to the continuous loss of personal resources, relying on others to assist the increased demand, may have a negative impact on self-efficacy and self-esteem, increase the risk of depression, anxiety and other negative emotions.

According to their research, this journal finds that the higher the level of self-efficacy and self-esteem, the lower the tendency to depression, personal self-efficacy is low, and it is easier to give up when faced with pressure. Conversely, those with high self-efficacy have a higher sense of self-control, and the more negative emotional interference can be mitigated.

Interact: Feel lonely is the effect of aging society. So this journal hopes that through some interpersonal interactions, the loneliness of the elderly can be alleviated.

In article published in June 27, 2017 indicate this journal wants to explore use intergenerational learning to enhance interpersonal interaction among the elderly in day care centers.

Intergenerational learning allows young and old generations to gather together, share experiences and learn from each other, so that the two generations can understand and know each other.

According to their research, this journal finds that intergenerational learning significantly improves the interpersonal interaction of the elderly, helps children get along with the elderly, and allows the elderly to absorb the cultural connotations of different generations.

In article published in June 19, 2019 indicate this journal wants to explore the issue of co-living across generations.

The elderly often express loneliness, and the chronic social isolation of the elderly will significantly increase the cost of hospitalization and medical care. Therefore, in recent years, there has been a rise in the use of communities and living spaces to implement inter-generational co-living.

According to their research, this journal finds that young people face the problem of housing shortage or high rents. The purpose of participating in the co-living plan is to relieve the pressure of high rents by providing free or cheap housing to young people. Students can save time for work or study and focus on academics; co-living allows young people to learn the wisdom and experience of the elderly in dealing with others, and the elderly can get emotional support. Co-living has advantage and disadvantage. For elderly people living alone, the advantages include: living in a familiar home, and being able to take care of someone nearby when facing emergencies, infecting the vitality of young people, and obtaining emotional support; as for the disadvantages, the older the older, the more difficult it is. To adapt to a new way of life, it is necessary to establish new interpersonal relationships. For young people, the advantages include: saving rent, learning the wisdom and experience of the elderly in dealing with others, students saving part-time work or commuting time and focusing on their studies; the disadvantage is the coordination of different living habits and the need to take into account the safety of the elderly.

Aging Education: In today's society, aging education is important for people. This education not only can make people pay more attention to this issue but also Let people know more about the current dilemmas faced by elder people. So this journal wants to import aging education into kindergartens.

In article published in May 14, 2016 indicate this journal wants to explore educational service staff's attitude about aging and intention of aging education.

With the changes of time and space, the phenomenon of declining birthrate and aging population has become more and more serious. In the face of more and more elderly population and increasingly arrogant children, the traditional thinking of respecting the elderly and the virtuous is gradually declining. Most people only pay attention to the negative impression of aging, regard the elderly as a social burden of non-production, ignoring its positive value. Aging education refers to the kindergarten through activities, picture book teaching, etc., to allow children to acquire correct aging knowledge, attitudes and behaviors, and then to have a friendly attitude and care for the elderly at home or in the society.

According to their research, this journal finds that the aging attitude of the education and health service staff is becoming more positive, and their behavior intention to implement aging education in the class is also more positive.

In article published in December 19, 2019 indicate this journal wants to explore integrating aging education into the curriculum of kindergarten.

This journal thinks that aging education must take root from early childhood education and integrate it into education and protection activities, so that children can build up positive knowledge and attitudes about aging from an early age to cope with the integration of the super-aged generation.

According to their research, this journal finds that aging education theme courses can enhance the interaction between young children and the elderly, especially grandparent's issues can promote emotional exchanges between elders and children. Observers' feedback shows that the subject of aging education courses has a positive impact on children's aging knowledge and attitudes. Children will care for the needs

of the elders and provide assistance in their daily lives; through interaction between grandparents and the curriculum, children's and parents' acceptance can be realized kindergarten can promote aging education theme courses.

Cultural Heritage: Aging successfully is very important for elder people. Aging successfully can improve elder people's self-esteem and prevent elder people from melancholy. In article published in December 13, 2018 indicate this journal interviewed with an elderly, Tahai Ispalalavi , who is a case aging successfully and how he did it.

This journal wants to take an example by Bunun cultural and historical worker Tahai Ispalalavi. Cultural inheritance can maintain and construct his connection with the society, and there is good social support, so that he can fully enjoy the opportunity to learn culture, and give him a focus of life, motivation to learn, and a sense of spiritual sustenance and belonging, making him positive participate in learning to make him happy and satisfied.

According to their research, this journal finds that the cultural inheritance behavior of the elderly can achieve successful aging for the elderly, and cultural inheritance and successful aging are related to each other and influence each other.

Summary

From 2013 to 2020, JWTSM has some findings in each research questions.

In the trend of Taiwan's policies, home telehealth system combines with social network and cloud system is the way to take care of elder people at home. Institution's location is an important key to prevent disaster. Lower birth rate and aging society are interrelated. Most of elder people can accept robot, maybe in the future can attract more people to use robots through teaching. Elder people think that have more guidance and feedback in the app is necessary.

In the trend of elder people's retirement life, elder people's travel demands are can provide custody service; can choose safety country. The way of promote elder people to travel is can promote the travel care system or escort methods, so that the elderly with disabilities and their families can also travel together. Elder people think that stay healthy is their plan for retirement and most public officials don't have any plan for retirement. Most of elder people will recommend pickle ball to other people. Learning can increase interpersonal interaction to let elder people make new friends.

In the trend of income problem, the way of improve workplace is job skill development. Health Park is a place for elder people who can't get to work. Some elder people choose to extended retirement. The government and enterprise create a working environment suitable for elder people.

In the trend of the effect of aging society, recall therapy and thinking about four ways of life can improve mental health. Aging society is a chance and challenge. Proper interpersonal interaction can reduce loneliness in elder people. Import aging education into kindergartens can let children care more about elder people. Cultural heritage can be the way of aging successfully.

CONCLUSION

Discussion

After the content analysis, the researcher would discuss further with the findings from each of the four research questions: trend of Taiwan's policies, trend of elder people's retirement life, trend of income problem and trend of the effect of aging society.

Discussion 1: Trend of Taiwan's policies

The findings revealed that most articles were about policies and most of them were focused on robot, system, lower birth rate, disaster prevention, art and prevent fall.

According to findings, robot, and home telehealth system can take care of elder people at home. Compare with a research in 2020, due to some elder people were disabled and they thought that it was not convenient to take transportation to see the doctor, so JWTSM wants to create a transportation platform for elder people. Compare with the policy in 2019, there was a research in 2019, seniors over 65 can took the bus or taxi to the hospital with few money.¹⁰ Lower birth rate and aging society are interrelated. In other words, improve aging problem can also improve lower birth rate. Compare with the report in 2021, since 2018, The Ministry of Health and Welfare has promoted the public childcare policy, increasing the childcare subsidy from 3000 dollars to 6000 dollars, and the childcare allowance remains at 2500 dollars.¹¹ In nowadays, maybe some elder people would feel lonely or think

¹⁰ Shu Rong Wang, "Use the Elderly-Friendly Framework to Provide a Safe Medical Environment for the Elderly," *Medical quality*, (Jul 1, 2016), accessed in Apr 15, 2021

¹¹ Xin Fang Li, "Taiwan's Population Has Experienced Negative Growth for the First Time", *The News Lens*, (Oct 24, 2019), accessed in May 17, 2021, <https://www.thenewslens.com/article/145770>

themselves are not needed. In November 9, 2020, JWTSM found that art is very helpful to mental health. Compare with a research in 2018, there was a research which was talking about art treatment applies to elderly with dementia, they found that elderly people with dementia can see their own sense of empowerment by participating in the creation of artistic activities, and improve their self-esteem that is reduced by the symptoms of dementia.¹²

Discussion 2: Trend of Elder People's Retirement Life

The findings revealed that elder people's retirement life was going to travel, do some exercise and keep learning.

Elder people like to travel are because they want to make new friends and expand their horizons. During the travel, they hope can provide custody service; can choose safety country...etc. Compare with the research in 2012, elder people want to travel is because they want to make new friends and learn new knowledge. Sport is because elder people want to keep healthy and make new friends. Compare with the research in 2014, sport can let elder people keep healthy.¹³ Elder people want to keep learning is because they want to earn more knowledge and make new friends. But there is a research in JWTSM, in September 26, 2019, some elder people think that learning Japanese can activate the brain and delay degeneration. Compare with the research in 2002, elder people wanted to keep learning was because they wanted to learn new knowledge.¹⁴ According to JWTSM's research, elder people want to retire is because health condition and they think when the time comes they have to retire so

¹² Yung Huang Chuan and Hui Kuo Shu, "Study on the Effect of Art Therapy Groups Applied to the Elderly with Dementia," *Journal of Educational Science Research*, (Jun 1, 2018), accessed in Apr 15, 2021

¹³ Chun Lai Liu, Jie Yi Hou, and Rui Hong Tu, "The Impact of Exercise on the Health of the Elderly," *Pingtung University Sports*, (Feb 25, 2014), accessed in Aug 16, 2021

¹⁴ Jing Wen Dai, "Discussion on the Learning Motivation, Learning Behavior and Effective Learning Strategies of the Elderly," *Counseling*, (Mar 1, 2002), accessed in Aug 16, 2021

they don't have any plan for retirement. Compare with the research in 2013, if elder people had a plan for retirement, the quality of life will enhance.¹⁵

According to the findings, these three activities have one thing in common; elder people hope to make new friends through these three activities.

Discussion 3: Trend of Income Problems

The findings revealed that in order to solve income problem, many people chose to work again or keep learning. Because of aging society, the government had already formulated some labor policies.

For the work safety of elder people, improve workplace is very important. The way of improve workplace are like job skill development like arrange some education Training, work and family time balance, health and welfare , work life and employment security. Compare with the research in 2006, the way of offer elder people a proper workplace is ensure elder people safe.¹⁶ Due to some health condition, maybe some elder people can't get to work. So the health park is set up for these people. Compare with the research in 2015, there was a health park called Chang Gung Health Village was set for them.¹⁷ Although learning has a lot of advantage, how to make elder people keep learning is also necessary. The way of make elder people keep learning is that build emotions and give care, improve the cohesion and sense of identity of the organization, listen to learners and give encouragement. Compare with the research in 2005, keep learning was very important

¹⁵ Mei-O Hsieh, "Exploring the Quality of Life of Retired Elderly People from the Perspective of Retirement Planning, Aging Adaptation Theory, Self-Perception and Meaning of Life," *Soochow Social Work Journal*, (Jun 1, 2013), accessed in Aug 16, 2021

¹⁶ Wen Peng Lin, "How to Provide a Suitable Working Environment for Middle-Aged and Old Workers in a Knowledge Society," *Quality Monthly*, (Jul 1, 2006), accessed in Aug 16, 2021

¹⁷ Huang San Lin, "Developing Partial Multi-Function Model of Long-Term Care Residents by Separating Chang Gung Health Village," *Southern Taiwan Health Care and Health Industry Symposium*, (Sept 23, 2015), accessed in Aug 16, 2021

to elder people.¹⁸As for labor reuse, the government made some effort. Like In December 13, 2018, referenced England, America, Japan and Korea's ways of reuse labor. In March 15, 2020, senior social enterprise link local resource. Compare with the research in 2019, the government can refer to European practices to promote elderly labor policies.¹⁹

Discussion 4: Trend of the Effects of Aging Society

The findings revealed that because of aging society's effect, some elderly people feel lonely and unneeded, this phenomenon has affected many industries, but it has also created the rise of many industries. JWTSM had already figured out some ways to promote interpersonal interaction between different generations.

Recall therapy and thinking about four ways of life can improve mental health. Compare with the research in 2004, recall therapy can improve self-esteem, reduce depression, reduce hopelessness, achieve self-regulation, accept death and increase life satisfaction.²⁰ Aging society is a chance and challenge, this has affected many industries, but it has also created the rise of many industries. Compare with research in 2011, aging society had become a challenge in this society. In other to promote interpersonal interaction between different generations, the government and some enterprise promote some plans, like aging education, intergenerational learning and co-living across generations. Compare with the research in 2017, appropriate interpersonal interaction can reduce depression and provide opportunities for the

¹⁸ Duo Yan Zhang, "On the Importance of Lifelong Learning for Senior Citizens and the Principle of Mechanism Construction," *Lifelong Learning Network Newsletter* ,(May 24, 2005), accessed in Aug 16, 2021

¹⁹ Su Mei Chen, "The Concept of a Friendly City for Senior Citizens in Our Country Promotes Policies and Reflections on the Employment of Middle-Aged and Senior-Aged People: A Reference to "European Platform for Middle-Aged and Senior Citizens", " *Humanities and Social Sciences Journal of Tzu Chi University*, (Dec 1,2019), accessed in Aug 16, 2021

²⁰ Chiu-Yueh Hsiao, Li-Wei Lin, and Shu-Hui Yeh, "Using Reminiscence Therapy to Care for the Elderly in Institutions," *Long-term Care Magazine*, (Jun 1, 2004), accessed in Aug 16, 2021

elderly to express themselves and express their emotions.²¹ According to Tahai Ispalalavi's case, we can found that cultural heritage can be the way of aging successfully. Compare with the research in 2012, cultural inheritance and the physiological, psychological and social aspects contribute to successful aging.²²

Conclusion & Suggestion

After the research, in polices, JWTSM focused on home care. In retirement life, elder people's main activity are go to travel, do some exercise and learning. In income problem, elder people chose to back to work and keep learning, for some elder people can't get to work, the health park is set up for these people. In the effect of aging society, aging society is a chance and challenge. Proper interpersonal interaction can reduce loneliness in elder people. Cultural heritage can be the way of aging successfully.

The suggestion is that articles on the income of elder people are not enough, maybe in the future; JWTSM can have more study on this. Actually most of article in JWTSM, articles about 2021 are not enough, this is why this research only from 2013 to 2020 so that the research may not be detailed enough. Hope that follow-up researchers will do more detailed research for 2021.

After this research, maybe we have a better understanding of the aging society. This social issue had already all around us and derivative some problem. Not only the government need to promote some related policies but also need us to face this issue together.

²¹ Rong Xu Zhen, "A Study on Evaluating the Effectiveness of Social Support Art Group Programs Intervening Male Elderly Interpersonal Interaction," *Journal of Social Work Practice and Research*, no. 4 (Jun 1, 2017), accessed in Aug 16, 2021

²² Hsiu-Lan Chuan, "The Research on the Correlation of Cultural Heritage, Self-Realization, and Successful Aging for the Aboriginal Senior Citizens— as an Example of the Bunun Tribe Traditional Lileh Music Choir" *Nankai University of Science and Technology*, (Jun 30, 2012), accessed in Aug 16, 2021

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