

AGE-Friendly Assessment for Age-Friendly Chilgok-Gun



November 2019

CHILGOK-GUN

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I. The Age-Friendly Baseline Assesment

1. Demographic Characteristics of the Chilgok-gun* Elderly

1) Change in the Elderly Population of Chilgok-gun

- The total population of Chilgok-gun increased until 2016 and then gradually decreased since 2017.
- As shown in <Table 1>, the population of the elderly aged 65 and over continued to increase, representing 14.0% in 2018.
- The rapid increase in the elderly population is expected to have a great impact on the social, economic and cultural aspects of Chilgok County, especially that 14.0 percent of the population in Chilgok County is elderly, suggesting that the community should pay more attention to the problem of the elderly.

Table 1. Change in the Elderly Population of Chilgok-gun

(Units: person(s), %)

year	Total Population(A) Population of those aged 65 or over(B)		B/A(%)
2014	121,145	14,633	12.1%
2015	121,828	14,993	12.3%
2016	123,199	15,479	12.6%
2017	120,864	16,166	13.4%
2018	118,828	16,692	14.0%

[Data Source] Ministry of Public Administration and Security in South Korea

^{*} Chilgok-gun means Chilgok County.

In particular, the population of the oldest old aged 80 or over increased from 3,312 persons(22.4% of the population aged 65 and older) in 2014 to 4,362 persons(26.1% of the population aged 65 and older) in 2018.(Table 2)

Table 2. Changes by Age Groups of the Elderly Population in Chilgok-gun

2017

	2014 2015		2016 2017		2018					
	n	%	n	%	n	%	n	%	n	%
Population of those aged 65 or over	14,820	100.0	15,200	100.0	15,479	100.0	16,166	100.0	16,692	100.0
Population of 65-69 years	4,002	27.0	4,280	28.2	4,449	28.8	4,763	29.5	4,844	29.0
Population of 70-79 years	7,506	50.6	7,380	48.5	7,234	46.7	7,342	45.4	7,486	44.9
Population of those aged 80 or over	3,312	22.4	3,540	23.3	3,796	24.5	4,061	25.1	4,362	26.1
■ 50.6 ■ 48.5 ■ 46.7 ■ 45.4 ■ 44.9										
 ◆ 27.0 ▲ 22.4 		28.223.3			3.8 4.5		29.5 25.1		29.0	
2014 ——Population	2015 2016 2017 2018 n of 65-69 — Population of 70–79 years — Population of those aged 80 or over									

[Data Source] Ministry of Public Administration and Security in South Korea

2. Analysis on Policies of Chilgok-gun Related to the Aging of the Society

1) Ordinance concerning the Elderly in Chilgok-gun

- In Chilgok-gun, legislation was promoted for the welfare of the elderly, and Chilgok-gun Council enacted nine decrees concerning the elderly. Typical contents are as follows.
 - Ordinance on the Formation of an Age-Friendly City in Chilgok-gun
 - Ordinance on the Promotion of Welfare for the Elderly in Chilgok-gun
 - Ordinance on the Installation and Operation of Welfare Fund for the Elderly in Chilgok-gun
 - Ordinance on the Prevention and Support of Solicitors for the Elderly Living alone in Chilgok-gun

2) The Progress for Establishing an Age-Friendly City of Chilgok-gun

• The process of establishing an age-friendly city in Chilgok-gun is shown in <Table 3>.

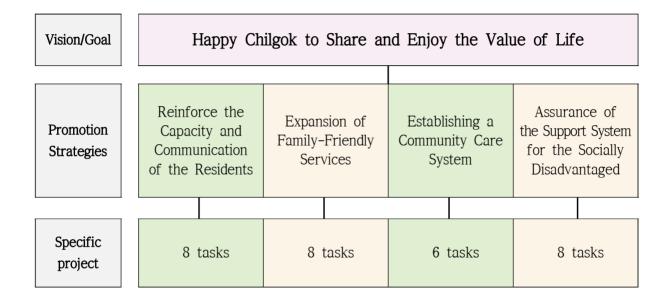
Date	Progress for Creating an Age-Friendly City
June 2018	• One of the county's campaign promises for the Chilgok-gun is the "Certification of the Elderly Friendly City."
December 2018	Legislation and Ordinance of Age-Friendly Cities
May 2019	• Launched a research service for the creation of an aging-friendly city for Chilgok-gun
July-August 2019	Survey for Aging-Friendly Diagnosis
September 2019	• FGI for Elderly Group, Citizen Group, Expert Group
October 2019	• Announcement of the Results of Aging-Friendly city in Chilgok County, and Monitoring of Senior Citizens Group

Table 3. Progress for Establishing an Age-Friendly City of Chilgok-gun

3) Policies of Chilgok-gun Concerning Welfare for the Elderly

• The Welfare Policy for the Elderly in Chilgok-gun is to identify what is included in 'the local social security plan (2019-2022)' of Chilgok-gun.

(1) The Local Social Security Plan (2019-2022) of Chilgok-gun



(2) Project related to elderly included in 'The Local Social Security Plan (2019-2022)' of Chilgok-gun

• The specific projects related to the elderly are as follows in the 'The Local Social Security Plan' of Chilgok-gun.

A. Reinforce the Capacity and Communication of the Residents

- Making Chilgok Humanitie
- Regional Human Rights Cultural Festival
- Chilgok College of Lifelong Learning
- Baby Boomer Program Support
- Social and Economic Support
- Cultural Properties Contribution Service to Visit

B. Expansion of Family-Friendly Services

• Making Safe Chilgok

C. Establishing a Community Care System

- Establishment of Integrated Safety Network for Urban Area Units
- Mental Health Integration Case Management
- Single-person Help Installation
- Promoting the Rural Community Project of the Resident's Self-governed Area
- Visiting Health Service

D. Assurance of the Support System for the Socially Disadvantaged

- Dementia Prevention Project
- Establishment and Operation of Self-support Center for Severely Disabled People
- Enhancement of Transportation Convenience for the Handicapped
- Expanding the Employment of Elderly
- The Improvement of the Dream Housing Project

II. General Characteristics of Chilgok-gun

1. General status of Chilgok-gun for the Diagnosis of Age-Friendly City

• The natural environment of Chilgok-gun is regarded as a beautiful and age-friendly environment which combines rivers and mountains. However, measures need to be taken to address regional differences in parks across Chilgok-gun to create an environment in which any elderly person in Chilgok-gun can use the park facilities.

2. Characteristics of Living Environment in Chilgok-gun for the Diagnosis of the Age-Friendly City

1) Transportation

- Transportation in Chilgok-gun has a very good environment for transportation to other areas, but the satisfaction level of transportation in the area is low. Therefore, it is necessary to prepare measures to address the inconvenience of residents in the blind spot of public transportation.
- Improving the traffic satisfaction level, it is necessary to prepare measures for the spacing of public transportation, routes, and consideration of drivers' passengers
- Securing roads considering the safety and convenience of local residents

2) Residence

- Differences between urban infrastructure and population structure make it necessary to think about the residential environment
- The housing problem should be improved for the living environment of the aged, especially with all citizens through the survey of the housing supply status of the elderly
- The environment in the residential area should be improved to minimize inconvenience to residents
 - 3. Socio-economic Characteristics of Chilgok-gun for the Diagnosis of

the Age-Friendly City

1) Health

- Searching for ways to promote the health promotion program of the local people
- Needed to provide health and local support services to improve and maintain health
- Preparing emergency measures in case of emergency. Action is very necessary, especially for senior citizens in areas with poor access to hospitals.

2) Social welfare

- There were 441 social welfare facilities, and 66.2% of them were senior citizens' welfare facilities, accounting for a very high distribution.
- Lifelong learning institutions in Chilgok-gun were established evenly in eight different regions, and they were shown to have a profound influence on the development of the cultural activities of the local people. There were various programs such as music, sports, sports, and humanities in the lifelong education institution.
- According to the environmental characteristics of Chilgok County, visiting health services are more important, and visiting health services should be promoted more actively for vulnerable people with health problems.

3) social participation

- Promotion of promotion and convenient access for more active participation in cultural centers in Chilgok-gun should be promoted. In addition, for the elderly, there is a difference in physical activity by age group, which requires the establishment of a program that meets the participating age group.
- The distribution of age in the 60s and 70s in local volunteer service is very low. As it works positively to increase self-esteem and confidence as a member of the local community through volunteer work, various volunteer opportunities should be given to match the age of the elderly.

- Support is required for jobs of senior citizens, and the provision of information on senior citizens and the provision of jobs commensurate with local characteristics and age groups should be expanded.
- The elderly can maintain their economic status and improve their quality of life as social actors through active vocational activities.

III. Results and Interpretation of the Survey on the Age-Friendliness of Chilgok-gun

1. Overview

1) Purposes of Survey

- The survey aims at apprehending the sectoral age-friendliness of Chilgok-gun by collecting empirical data.
- Based on the diagnosis of the aged-friendly city, it will be used as basic data to establish basic plans, guidelines and action plans for the aged-friendly city in the future.

2) Sample Design

• The surveyed subjects were adult males and females aged 19 or older living in Chilgok County, and those surveyed were classified into a group of ordinary citizens aged 19-45 and a group of senior citizens aged 50 or older.

Table 4. Population of the survey of age-friendly city in Chilgok-gun

(Units: person(s), %)

local name	Total	a group of pe	ople 19-49 age	a group of people over 50 orde		
	population	n	%	n	%	
Chilgok-gun	117,954	96,342	100.0	43,396	100.0	
Waegwan-eup	33,828	28,148	29.2	14,094	32.5	
Buksam-eup	24,470	19,350	20.1	7,768	17.9	
Seokjeok-eup	32,259	23,813	24.7	5,023	11.6	
Jichon-myeon	4,366	4,147	4.3	3,039	7.0	
Dongmyeong-myeon	5,549	5,220	5.4	3,731	8.6	
Gasan-myeon	3,569	3,359	3.5	2,419	5.6	
Yakmok-myeon	10,501	9,340	9.7	5,465	12.6	
Gisan-myeon	3,412	2,965	3.1	1,857	4.3	

[Data Source] Ministry of Public Administration and Security in South Korea population: Current Population of July 19

3) Sampling and Design

- Samples is 5% or more of the total population by region and age ratio
- Therefore, it was designed to target 520 people aged 19~49 age and more than 250 people aged 50 or older.

Chilgok-gun	a group of people 19-49 age	a group of people over 50	Total Population
Total Population	520	250	770
Waegwan-eup	150	80	230
Buksam-eup	100	40	140
Seokjeok-eup	120	30	150
Jichon-myeon	30	20	50
Dongmyeong-myeon	30	20	50
Gasan-myeon	20	20	40
Yakmok-myeon	50	30	80
Gisan-myeon	20	10	30

Table 5. the Extraction Design of the subject for the age-Friendly Diagnosis in Chilgok-gun

4) Data Analysis

- Questionnaire were collected 720 copies. And a total of 643 copies were used for the data analysis, excluding insincere or incomplete questionnaires.
- The collected data went through computer processing, using the SPSS WIN 18 program, a statistical package for the social procedures, after the verification process.
- The data was analyzed by the methods of frequency analysis, crossstabulation analysis, t-test, and ANOVA.

5) Analysis Variables

- Variations for diagnosing elderly-friendly cities in Chilgok-gun have been determined by referring to the inspection items and prior research in 8 areas of the WHO.
 - The demographic variable: gender, age, marital status, residence, health status, academic ability, disability status, cohabited person, the number of people in the household, benefit status of national social security benefits, type of housing, type of housing ownership, economic activity, occupation type, residence, etc
 - Evaluation factors for age friendliness: outdoor spaces and buildings, transportation, housing, social participation, respect & social inclusion, civic participation and employment, communication and information, and community support and health service

2. Survey Analysis

- 1) Demographic Characteristics
- The distribution of residence is as follows.
 - a group of people 19-49 age: Waegwan-eup 19.7%(52 person), Buksam-eup 11.7%(31 person), Seokjeok-eup 23.9%(63 person), Jichon-myeon 10.6%(28 person), Dongmyeong-myeon 11.4%(30 person), Gasan-myeon 4.2%(11 person), Yakmok-myeon 11.0%(29 person), Gisan-myeon 7.6%(20 person)
 - a group of people over 50: Waegwan-eup 32.2%(122 person), Buksam-eup 23.0%(23.0 person), Seokjeok-eup 14.0%(53 person), Jichon-myeon 5.5%(21 person), Dongmyeong-myeon 5.3%(20 person), Gasan-myeon 7.7%(29 person), Yakmok-myeon 9.8%(37 person), Gisan-myeon 2.6%(10 person)

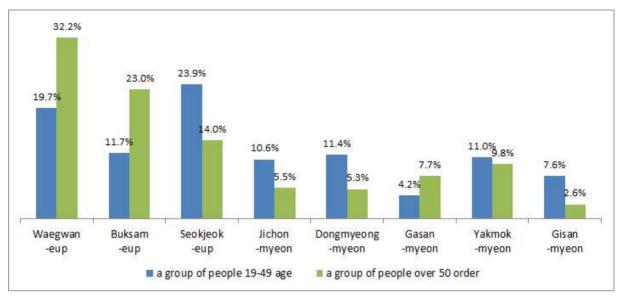


Fig. 4. the residence of subject

- The distribution of gender is as follows.
 - a group of people 19-49 age: male 41.3%(109 person), female 58.7%(155 person)
 - a group of people over 50: male 49.6%(188 person), female 50.4%(191 person)
- The distribution of age is as follows.
 - a group of people 19-49 age: 43.1%(264 person)
 - a group of people over 50: 56.9%(379 person)

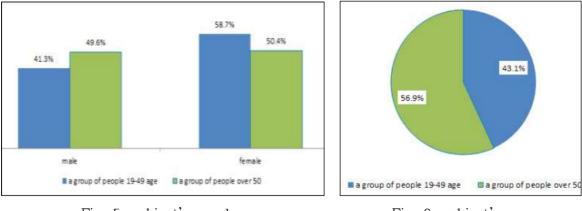
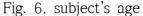


Fig. 5. subject's gender



- The distribution of economic activity is as follows.
 - a group of people 19-49 age: uneducated or elementary school 0%, middle school students 2.7%(7 person), high school students 25.0%(66 person), colleges 72.4%(191

person)

- a group of people over 50: uneducated 2.9%(11 person), elementary school 15.6%(59 person), middle school students 23.7%(90 person), high school students 36.1%(137 person), colleges 21.6%(82 person)
- The distribution of social status is as follows.
 - a group of people 19-49 age: the upper classes 16.3%(43 person), the middle class 47.0%(124 person), the lower class 36.7%(97 person)
 - a group of people over 50: the upper classes 17.9% (68 person), the middle class 44.3%(168 person), the lower class 37.7%(143 person)

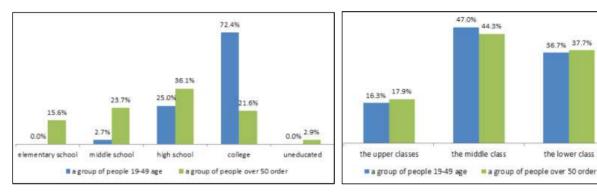


Fig. 7. academic background of subject

Fig. 8. subject's social status

36.7% 37.7%

the lower class

- The distribution of economic activity is as follows.
 - a group of people 19-49 age: economic activity 81.4%(214 person), no economic activity 18.6% (49 person)
 - a group of people over 50: economic activity 58.7%(219 person), no economic activity 41.3%(154 person)

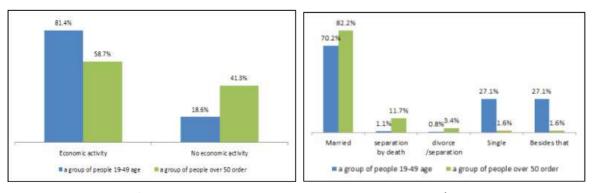
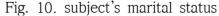


Fig. 9. subject's economic activity



- The distribution of the number of people in the household is as follows.
 - a group of people 19-49 age: a person 9.1%(24 person), 2 person 15.5%(41 person), 3 person 28.8%(76 person), 4 person 37.5%(99 person), more than 5 person 9.1%(24 person)
 - a group of people over 50: a person 14.1%(52 person), 2 person 37.8%(139 person), 3 person 18.5%(68 person), 4 person 20.1%(74 person), more than 5 person 9.5%(35 person)

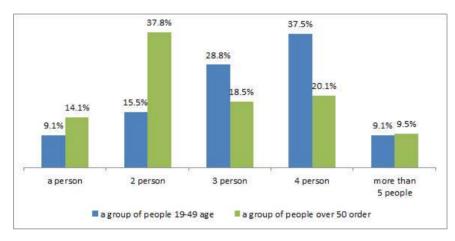


Fig. 11. the number of people in the household of the subject

- The distribution of health is as follows.
 - a group of people 19-49 age: very healthy 15.6%(41 person), healthy 62.6%(164 person), just so 18.7%(49 person), inadequate health 2.7%(7 person), not vert healthy 0.4%(1 person)
 - a group of people over 50: very healthy 6.9%(26 person), healthy 46.4%(176 person), just so 29.0%(110 person), inadequate health 13.7%(52 person), not vert healthy 4.0%(15 person)

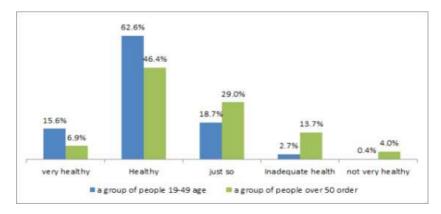


Fig. 12. the subject's health

2) Total Score for Age-Friendliness

- Chilgok earned the total score of 2.89 points for its age-friendliness, a bit lower than the ordinary level of 3 points.
- Comparing the scores by area of age-friendly diagnosis, the communication & information was the highest at 3.04 points and the traffic area had the lowest score of 2.68.

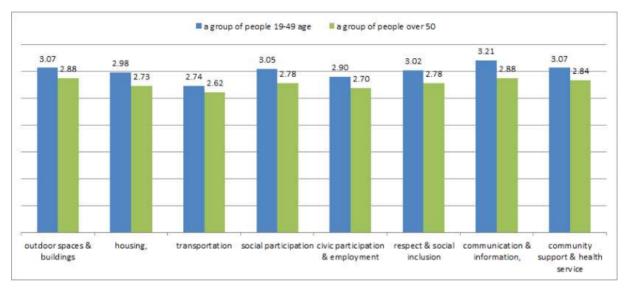


Fig. 13. Total Score for Age-Friendliness

IV. Results of FGI on the Age-Friendliness of Chilgok-gun

1. Overview

1) Purposes of FGI and Interviewee

- FGI (Focus Group Interview) was conducted to supplement the quantitative survey of the resident questionnaire in Chilgok-gun. The FGI was designed to derive the core contents of the aging process suitable for Chilgok-gun.
- FGI was conducted for three groups, i.e. selected as a social welfare research specialist for senior citizens, a general civic group, and a representative group for senior citizens
 - Selected groups were selected through intentional bleaching with the cooperation of Chilgok County Social Welfare and the Elderly Welfare Counseling Party. They agreed to the purpose of this study and selected a person who can present sincere and rich opinions as he or she has a lot of direct and indirect experience in the formation of an aged-friendly city.

2. Result of FGI

• Focus Group Interview was conducted for 8 areas of WHO guidelines for the aged-friendly city in Chilgok-gun, and the results of the survey were as follows.

1) Outer Space and Building

- Buildings are old and there is no lifts
- Roadside sidewalk is too narrow
- Soften the entrance of the building with the slip protection so that it is not difficult to walk
- Store shelf height is high

2) Housing

- Deteriorated housing. Installation of gas shut-off and fire extinguisher as they are exposed to fire hazards
- · Need to improve housing for physically challenged the elderly

- · Establishment of a House for the Elderly with a Dwelling Unit
- Lower wall (especially for elderly living alone, a low wall is required to ensure that neighbors are always looking after)
- In-house handrail installation

3) Transportation

- Construction of Public Transportation Network in Chilgok-gun
- Transit intervals
- Small town-only taxis
- · Letter size of bus stop and bus route table
- · Improvement of public transportation platform atmosphere environment
- Providing a "silver zone" such as a school zone
- · Low-rise bus service and expansion of old and weak seats
- Distribution of stickers by elderly vehicle identification and establishment of public transportation network in Chilgok-gun designated as senior citizen parking area
- Transit intervals
- Small town-only taxis
- · Letter size of bus stop and bus route table
- Improvement of public transportation platform atmosphere environment
- Providing a "silver zone" such as a school zone
- · Low-rise bus service and expansion of old and weak seats
- Distributions of stickers by elderly vehicle identification and designation of senior citizen parking areas

4) Social participation

- Expand the cultural center program opened in the local township into the elderly-friendly program
- To secure social participation opportunities for senior citizens by opening a welfare center for senior citizens
- Differentiated programs for senior citizens are required to be opened according to their age group

5) Volunteers and Jobs

• Most of the jobs are low cost due to environmental improvement projects, so they

do not help much in lifegka

- Need to improve the quality of jobs for the elderly
- Providing volunteer opportunities for senior citizens-Manage service scores => a respectable old man

6) Social respect and consideration

- Intergenerational understanding and seamless communication by providing the opportunity to mingle with the younger generation
- Volunteer Activities in Connection with Elementary School and Senior Citizens Hall
- a large font for the elderly

7) Communication and Information

- The Improvement of the Writing Size and Foreign Language Marking of Street signs
- Not visible on the toilet sign. In particular, clear-cut writing and drawing are required for space and public institutions used heavily by senior citizens.
- Expand training on cell phone usage
- Consideration is given to the large size of small letters from official documents to senior citizens of a certain age or older
- · Calling to say hello to the elderly living alone

8) Community Resources and Health

- Improving medical services by absence of large hospitals
- · domiciliary care service for senior citizens and strengthening access
- · Activation of dementia prevention program
- Identifying Health and Nutrition Status through Group Residence for the Elderly Living alone
- Utilization of Bath Facilities for Healthy Living and Expansion of Health Program

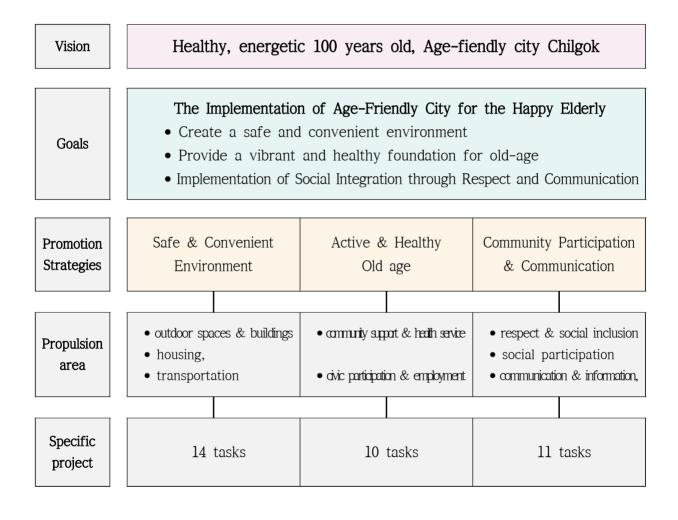
$\vee.$ SWOT analysis

Stength	Weakness
 Strong Will to Create an Aging Friendly City Promoting various health and welfare policies for the elderly The center of road traffic for big cities and access The number of people and the economically active population is larger than the size of the county. Establishment of Chilgok Humanities Village Building a lifelong learning center for each unit of township 	 a general awareness/preparation of the aging population Lack of external space, transportation, residential facilities and services for the elderly in comparison to old age There is no facility for free rehabilitation for elderly people who are physically ill Inconvenience in public transportation in the area There are a lot of old people in the natural villages. In these villages, it is inconvenient to use facilities such as hospitals and pharmacies Lack of communication and awareness to resolve conflicts among generations
 A Study on the Establishment of the Elderly-Friendly Environment by the Promotion of the Elderly-Friendly City The Open of Chilgok Employment Welfare Center Introduction of people and children in their 30s and 40s through the formation of large industrial complexes and the promotion of specialized agricultural and industrial complexes a growing influx of the People in their 30s and 40s and Children's Population through the Establishment of Large-scale Industrial Complexes 	 While the total population is decreasing, the aging society due to the continuous increase in the number of elderly people is increasing Transportation environment is vulnerable, which makes it difficult to cope with emergencies an increase in the number of elderly living alone Increased social burden due to the aging index and the rising cost of support.
Opportunity	Treat

VI. Implementation Plan for the Establishment of an Age-Friendly City of Chilgok

1. Vision and Objectives

 The vision and goals for the establishment of an aged-friendly city in Chilgok-gun were established through 'diagnosis results for the top eight areas of the WHO guidelines' and 'monitoring results' of senior citizens and civic groups on 'FGI results' of experts, citizens and senior citizens' groups.



2. Objectives and Strategic Tasks

• Chilgok County's three major goals are "afe & Convenient Environment," "Active and Healthy Old age" and "Community Participation & Communication," and WHO's eight areas are as follows.

Safe & Convenient Environment	Active & Healthy Old age	Community Participation & Communication		
outdoor spaces & buildingshousingtransportation	 community support & health service civic participation & employment 	 respect & social inclusion social participation communication & information, 		

• Out of the total 35 projects, the first execution plan (2020-2022) is 31. The remaining four projects are reviewed and discussed and reflected in the second execution plan.

3 major goals of	Eight Areas to Promote	Total	1st Implementation	Second Implementation Plan Project		
age-friendly city	Age-Friendly City	Total	Plan Project	Continuation	new	
	1 st area	6	5	5	1	
Safe & Convenient Environment	2 nd area	3	3	3		
	3 rd area	5	4	4	1	
Active and Healthy Old age	4 th area	5	5	5		
	5 th area	5	5	5		
Community	6 th area	3	2	2	1	
Participation &Communication	7 th area	4	4	4		
	8 th area	4	3	3	1	
Total		35	31	31	4	

3. Detailed Strategy Pr

1) Safe & Convenient Environment

(1) 1^{st} area : outdoor spaces & buildings

- Development of the Public Environment for Armed Love
- Creating a Safe Road Environment
- Preferred settlement of elderly consideration culture public facilities
- Environmental Improvement Management of Public Bathroom
- Create a Pocket Park near my house

(2) 2^{nd} area : housing

- Safe My Home
- Establishment of a Safety Village for Dangerous Evacuation
- Provision of services for housing maintenance

(3) 3rd area : transportation

- Enhancement of Transportation Convenience for the person with an uncomfortable movement
- Development of Driven Environment for the Elderly
- Strengthening Safety for Elderly Drivers
- A Parking Lot for the Elderly in Public Facilities
- Promoting public transportation

2) Active and Healthy Old age

(1) 4^{sh} area : Community Support and Health

- Expanding the Elderly Care Service Using the elderly's hall Facilities
- Visit Health Service
- Dementia Integrated Management Project
- Establishing a Network for Local Residents in the Protection of the Elderly
- Integrated mental health case management

- (2) 5^{sh} area : Volunteers and Jobs
 - Operate a bank for job of senior citizens
 - Participation of the Elderly in the Program of Educational Institutions
 - Activation of senior citizens's Service
 - Baby Boomer Program Support
 - Expanding the employment of senior citizens
- 3) Active and Healthy Old age

(1) 6^{sh} area : Social respect and consideration

- Chilgok County Celebrates 100 Years
- Use of living sports facilities in residential areas
- Create Chilgok-gun with Confidence about the Elderly Abuse

(2) 7^{sh} area : Social Participation

- Intergenerational harmonization project
- know-how to learn from one's elders
- Chilgok College of Lifelong Learning
- Culture Service to Visit

(3) 8^{sh} area : Communication and Information

- Upgrading Your Smart-phone!
- Single-person household help installation
- Implementation of the Residents' Self-Governing Project
- Development of the Aged Environment in the Audiovisual View