

Results of Age-Friendliness Assessment for Yangcheon-Gu



Yangcheon-Gu

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Age-friendly City Yangcheon

Results of Age-Friendliness Assessment for Yangcheon-Gu

1. Introduction of the survey

1) Objective

- The objective of survey and analytic for Age Friendliness of Yangcheon-Gu is to generate basic data for being listed on WHO GNAFCC(Global Network of Age-Friendly City and Community) and establishing its implementing plan. It is done by surveying and analyzing the result on 8 divisions of Age-Friendly City Guidelines suggested by WHO to residents and welfare clerks in Yangcheon-Gu. The survey is to analyze the degree of implementation in accordance with WHO GNAFCC guideline in Yangcheon-Gu.

2) Method

(1) Design of the survey

- Time: May 1st to June 30th, 2018
- Region: Whole area in Yangcheon-Gu
- Sample:
 - Residents who is over 65 year old in Yangcheon-Gu : 301 persons
 - General citizens(19-51 years old) in Yangcheon-Gu : 294 persons

Content

- The questionnaire is designed based on 8 divisions of Age-Friendly City Guidelines suggested by WHO.
- The questions are measured in likert 5 point scale. The measurement refers that 1 is 'Totally not', and 5 is 'Totally true'.

(2) Design of FGI (Focused Group Interview)

Date: July 20th, 2018

Participants: Eight Welfare Clerks in Yangcheon-Gu, including people who work in the field of administrative, health care, welfare center.

Contents

- ① Assess on 8 divisions of WHO guideline for Age-Friendly City.
- ② Survey of respective viewpoint on the elderly of generations and their negative cognition
- ③ Review of statistics on the elderly(income, job, health, leisure, housing, transportations, etc.)
- ④ Opinions on policies in Yangcheon-gu and its demand

2. Diagnosis of Yangcheon-Gu on 8 divisions of Guideline for Age-Friendly City

1) Survey results

(1) The assessment for 8 Guidelines of the elderly

Outdoor spaces and buildings

<Table 1> Assessment for 8 Guidelines of the elderly: outdoor spaces and buildings

Questions	Assessment (5 point Likert)
1. Public areas are clean and pleasant.	3.26 ±1.14
2. Parks and welfare centers are accessible.	3.44 ±1.12
3. Pavements are well-maintained.	3.29 ±1.10
4. Pavements are free of obstructions and reserved for pedestrians.	3.09 ±1.10
5. Number of pedestrian crossings is enough.	3.38 ±1.08
6. Pedestrian crossings give enough time to cross.	3.50 ±1.07
7. Drivers give way to pedestrians at intersections and pedestrian crossings.	3.18 ±1.07
8. Cycle paths are separate from pavements and other pedestrian walkways.	3.07 ±1.25
9. Outdoor safety is promoted by good street lighting, police patrols and community education.	3.36 ±1.03
10. Yangcheon-Gu gives one-stop service for the elderly.	3.44 ±1.06
11. Special customer service arrangements are provided, such as separate queues or service counters for older people.	2.81 ±1.12
12. Buildings are well-signed outside and inside, with sufficient seating and toilets, accessible elevators, ramps, railings and stairs, and non-slip floors.	2.85 ±1.09
13. Public toilets outdoors and indoors are sufficient in number, clean, well-maintained and accessible.	2.95 ±1.11

□ Transportation

<Table 2> Assessment for 8 Guidelines of the elderly: Transportation

Questions	Assessment (5 point Likert)
1. Public transportation costs are affordable.	3.23 ±1.12
2. Public transportation is frequent.	3.13 ±0.95
3. Public transportation is reliable.	3.19 ±1.10
4. Public transportation have priority seating that is respected.	3.48 ±1.14
5. Drivers wait for passengers to be seated before driving off.	3.30 ±1.06
6. Transport stops and stations are conveniently located, accessible.	3.12 ±1.20
7. Complete and accessible information is provided to users about routes, schedules.	3.19 ±1.07
8. A voluntary transport service is available where public transportation is too limited.	2.68 ±1.10
9. Taxis are accessible and affordable.	2.67 ±1.05
10. Taxi drivers are courteous and helpful.	2.98 ±1.00
11. Roads are well-maintained, with covered drains and good lighting.	3.31 ±1.00
12. Traffic flow is well-regulated.	3.21 ±1.00
13. Traffic signs and intersections are visible and well-placed.	3.32 ±0.99
14. Priority parking and drop-off spots for people with special needs are available and respected..	2.59 ±1.16

Housing

<Table 3> Assessment for 8 Guidelines of the elderly: Housing

Questions	Assessment (5 point Likert)
1. Public transportation is accessible from my house.	3.24 ±1.17
2. Home modification options and supplies are available and affordable, and providers understand the needs of older people.	2.94 ±1.18
3. Interior spaces and level surfaces allow freedom of movement in all rooms and passageways.	3.28 ±0.99
4. Interior spaces provide enough water, clean toilet, and heat.	3.55 ±0.97
5. Sufficient and affordable housing for frail and disabled older people, with appropriate services, is provided locally.	2.96 ±0.95
6. I need to modify my house because of my disability.	2.97 ±1.12
7. Yangcheon-Gu offers various type of housing rent from public and private.	2.69 ±1.14

Social participation

<Table 4> Assessment for 8 Guidelines of the elderly: Social participation

Questions	Assessment (5 point Likert)
1. Venues for events and activities are conveniently located.	2.95 ±1.09
2. Events are held at times convenient for older people.	2.98 ±1.03
3. Activities and attractions are affordable, with no hidden or additional participation costs.	3.08 ±1.04
4. Good information about activities and events is provided for older people.	3.02 ±1.04
5. A wide variety of activities is offered to appeal to a diverse population of older people.	3.13 ±1.11
6. Gatherings including older people are held in various local community spots, such as recreation centres, schools, libraries, community centres and parks.	3.35 ±1.08
7. Events are held at times convenient for participating all ages.	2.73 ±1.13

□ Respect and social inclusion

<Table 5> Assessment for 8 Guidelines of the elderly: Respect and social inclusion

Questions	Assessment (5 point Likert)
1. Older people are regularly consulted by public, voluntary and commercial services on how to serve them better.	2.90 ±1.12
2. Services and products to suit varying needs and preferences are provided by public and commercial services.	2.85 ±1.09
3. Service staff are courteous and helpful.	3.27 ±1.09
4. Community-wide settings, activities and events attract all generations by accommodating age-specific needs and preferences.	2.89 ±1.07
5. Older people are specifically included in community activities for "families".	2.77 ±1.06
6. Schools provide opportunities to learn about ageing and older people, and involve older people in school activities.	2.79 ±1.06
7. Older people are recognized by the community for their past as well as their present contributions.	2.87 ±1.08
8. Older people who are less well-off have good access to public, voluntary and private services.	3.12 ±1.04

□ Civic participation and employment

<Table 6> Assessment for 8 Guidelines of the elderly: Civic participation and employment

Questions	Assessment (5 point Likert)
1. A range of flexible options for older volunteers is available.	2.97 ±0.93
2. The qualities of older employees are well-promoted.	2.80 ±0.93
3. A range of flexible and appropriately paid opportunities for older people to work is promoted.	2.69 ±0.93
4. Discrimination on the basis of age alone is forbidden in the hiring, retention, promotion and training of employees.	2.72 ±0.91
5. Training in post-retirement options is provided for older workers.	2.72 ±0.89
6. Self-employment options for older people are promoted and supported.	2.71 ±0.94

□ Communication and information

<Table 7> Assessment for 8 Guidelines of the elderly: Communication and information

Questions	Assessment (5 point Likert)
1. A basic, effective communication system reaches community residents of all ages.	3.03 ±0.88
2. Regular and widespread distribution of information is assured and a coordinated, centralized access is provided.	3.15 ±0.90
3. Regular information and broadcasts of interest to older people are offered.	3.25 ±0.93
4. Yangcheon-Gu administrative and health care offers kind guidance to older people.	3.36 ±0.87
5. Printed information has large lettering and the main ideas are shown by clear headings and bold-face type.	3.04 ±0.85
6. Yangcheon-Gu offers public computer and internet course for older people.	3.14 ±0.95

□ Community and health services

<Table 8> Assessment for 8 Guidelines of the elderly: Community and health services

Questions	Assessment (5 point Likert)
1. Regular health care system is provided.	3.49 ±1.15
2. Health and social services are conveniently located and accessible by all means of transport.	3.48 ±1.08
3. Number of health and social services is enough.	3.27 ±1.02
4. Health and social services offers useful information for older people.	3.33 ±0.99
5. Health and social services are administratively simple.	3.25 ±0.95
6. Clerks in health and social services are respectful and supportive for older people.	3.49 ±0.96
7. Economic barriers impeding access to health and community support services are minimize	3.34 ±0.95
8. Voluntary services by people of all ages are encouraged and supported.	3.08 ±1.03

(2) The assessment for 8 Guidelines of adults

Outdoor spaces and buildings

<Table 9> Assessment for 8 Guidelines of adults: Outdoor spaces and buildings

Questions	Assessment (5 point Likert)
1. Public areas are clean and pleasant.	3.44 ±0.90
2. Parks and welfare centers are accessible.	3.67 ±0.98
3. Pavements are well-maintained.	3.37 ±0.96
4. Pavements are free of obstructions and reserved for pedestrians.	3.02 ±1.05
5. Number of pedestrian crossings is enough.	3.48 ±0.90
6. Pedestrian crossings give enough time to cross.	3.55 ±0.91
7. Drivers give way to pedestrians at intersections and pedestrian crossings.	3.20 ±0.96
8. Cycle paths are separate from pavements and other pedestrian walkways.	2.90 ±1.20
9. Outdoor safety is promoted by good street lighting, police patrols and community education.	3.27 ±1.02
10. Yangcheon-Gu gives one-stop service for the elderly.	3.50 ±0.91
11. Special customer service arrangements are provided, such as separate queues or service counters for older people.	2.68 ±1.06
12. Buildings are well-signed outside and inside, with sufficient seating and toilets, accessible elevators, ramps, railings and stairs, and non-slip floors.	2.74 ±0.95
13. Public toilets outdoors and indoors are sufficient in number, clean, well-maintained and accessible.	2.79 ±0.99

□ Transportation

<Table 10> Assessment for 8 Guidelines of adults: Transportation

Questions	Assessment (5 point Likert)
1. Public transportation costs are affordable.	3.06 ±0.96
2. Public transportation is frequent.	2.91 ±0.96
3. Public transportation is reliable.	3.21 ±1.01
4. Public transportation have priority seating that is respected.	3.89 ±0.94
5. Drivers wait for passengers to be seated before driving off.	3.42 ±0.96
6. Transport stops and stations are conveniently located, accessible.	3.28 ±1.09
7. Complete and accessible information is provided to users about routes, schedules.	3.46 ±0.96
8. A voluntary transport service is available where public transportation is too limited.	2.69 ±0.98
9. Taxis are accessible and affordable.	2.42 ±0.97
10. Taxi drivers are courteous and helpful.	2.87 ±0.91
11. Roads are well-maintained, with covered drains and good lighting.	3.22 ±0.84
12. Traffic flow is well-regulated.	3.00 ±1.02
13. Traffic signs and intersections are visible and well-placed.	3.30 ±0.85
14. Priority parking and drop-off spots for people with special needs are available and respected..	2.63 ±1.10

Housing

<Table 11> Assessment for 8 Guidelines of adults: Housing

Questions	Assessment (5 point Likert)
1. Public transportation is accessible from my house.	3.47 ±0.98
2. Home modification options and supplies are available and affordable, and providers understand the needs of older people.	3.14 ±1.11
3. Interior spaces and level surfaces allow freedom of movement in all rooms and passageways.	3.54 ±0.89
4. Interior spaces provide enough water, clean toilet, and heat.	3.76 ±0.88
5. Sufficient and affordable housing for frail and disabled older people, with appropriate services, is provided locally.	3.03 ±0.84
6. I need to modify my house because of my disability.	2.70 ±1.10
7. Yangcheon-Gu offers various type of housing rent from public and private.	2.78 ±1.04

Social participation

<Table 12> Assessment for 8 Guidelines of adults: Social participation

Questions	Assessment (5 point Likert)
1. Venues for events and activities are conveniently located.	3.17 ±0.85
2. Events are held at times convenient for older people.	3.26 ±0.84
3. Activities and attractions are affordable, with no hidden or additional participation costs.	3.30 ±0.88
4. Good information about activities and events is provided for older people.	3.15 ±0.92
5. A wide variety of activities is offered to appeal to a diverse population of older people.	3.19 ±0.92
6. Gatherings including older people are held in various local community spots, such as recreation centres, schools, libraries, community centres and parks.	3.35 ±0.89
7. Events are held at times convenient for participating all ages.	2.79 ±0.95

Respect and social inclusion

<Table 13> Assessment for 8 Guidelines of adults: Respect and social inclusion

Questions	Assessment (5 point Likert)
1. Older people are regularly consulted by public, voluntary and commercial services on how to serve them better.	3.15 ±0.89
2. Services and products to suit varying needs and preferences are provided by public and commercial services.	3.12 ±0.90
3. Service staff are courteous and helpful.	3.53 ±0.97
4. Community-wide settings, activities and events attract all generations by accommodating age-specific needs and preferences.	3.06 ±0.91
5. Older people are specifically included in community activities for “families”.	3.21 ±0.94
6. Schools provide opportunities to learn about ageing and older people, and involve older people in school activities.	2.87 ±0.92
7. Older people are recognized by the community for their past as well as their present contributions.	2.97 ±0.89
8. Older people who are less well-off have good access to public, voluntary and private services.	3.21 ±0.85

Civic participation and employment

<Table 14> Assessment for 8 Guidelines of adults: Civic participation and employment

Questions	Assessment (5 point Likert)
1. A range of flexible options for older volunteers is available.	3.20 ±0.93
2. The qualities of older employees are well-promoted.	2.81 ±0.93
3. A range of flexible and appropriately paid opportunities for older people to work is promoted.	2.79 ±0.93
4. Discrimination on the basis of age alone is forbidden in the hiring, retention, promotion and training of employees.	2.68 ±0.91
5. Training in post-retirement options is provided for older workers.	2.80 ±0.89
6. Self-employment options for older people are promoted and supported.	2.77 ±0.94

□ Communication and information

<Table 15> Assessment for 8 Guidelines of adults: Communication and information

Questions	Assessment (5 point Likert)
1. A basic, effective communication system reaches community residents of all ages.	3.28 ±0.88
2. Regular and widespread distribution of information is assured and a coordinated, centralized access is provided.	3.21 ±0.90
3. Regular information and broadcasts of interest to older people are offered.	3.29 ±0.93
4. Yangcheon-Gu administrative and health care offers kind guidance to older people.	3.50 ±0.87
5. Printed information has large lettering and the main ideas are shown by clear headings and bold-face type.	3.22 ±0.85
6. Yangcheon-Gu offers public computer and internet course for older people.	3.31 ±0.95

□ Community and health services

<Table 16> Assessment for 8 Guidelines of adults: Community and health services

Questions	Assessment (5 point Likert)
1. Regular health care system is provided.	3.57 ±0.89
2. Health and social services are conveniently located and accessible by all means of transport.	3.47 ±0.95
3. Number of health and social services is enough.	3.32 ±0.94
4. Health and social services offers useful information for older people.	3.36 ±0.88
5. Health and social services are administratively simple.	3.19 ±0.91
6. Clerks in health and social services are respectful and supportive for older people.	3.41 ±0.91
7. Economic barriers impeding access to health and community support services are minimize	3.39 ±0.91
8. Voluntary services by people of all ages are encouraged and supported.	3.22 ±0.90

2) The result of FGI (Focused Group Interview)

(1) Participants

<Table 17> Participants of FGI

Number	Institution	Position
1	Welfare Center A	Manager
2	Welfare Center B	Manager
3	Welfare Center C	Chief Manager
4	Welfare Center D	Manager
5	Health Care Center E	Chief Manager
6	Administrative F	Chief Manager
7	Administrative G	Chief Manager
8	Administrative H	Chief Manager

(2) Recognition of participants on policies for the elderly

The welfare service is concentrated on welfare center.

- ① The welfare center offers lessons on education, culture/art, leisure for the elderly.
- ② Since there is a economic gap in regions of Yangcheon-Gu, in a case of Sinwol-dong, for instance, offers financial/livelihood support for low-income older people and provides a meal plan.

The welfare policy is in transition from the supplier-oriented to customer-oriented.

- ① 'Community center in delivery' is now working.
- ② About 1,000 people of older people live alone out of 10,000 are now getting exclusive welfare service in Yangcheon-gu.
- ③ After the implementation of 'Welfare in delivery', an issue has arisen about on what basis the elderly should be determined.
- ④ Since new governor has been elected, demand on welfare and its

manpower has dramatically increased. However, though the task has dramatically expanded, its human resource has not been supplied enough. Also, because the amount of part time job is larger than regular job, too much time for educating the duty is needed.

(3) Opinions on the condition of Yangcheon-Gu about aging

□ Too concentrated welfare service on community welfare center

- ① Even though the objective of the center is from people over 60, the people do not regard themselves as the elderly.
- ② Few 60s use the welfare center.
- ③ Among the elderly, using welfare center is recognized as 'for economically poor people'.
- ④ Therefore the problem including 60 to 65, namely the early older people, remains open to question.
- ⑤ Although the aging rate of Yangcheon-gu is not too high, the rate of regions in Yangcheon-gu is significantly different. <Table 18>

<Table 18> The population of the elderly in Yangcheon-gu

	Total	Aged 60~64	Aged over 65	Aging(%)
Mok-dong	157,565	8,722	19,087	9.8
Sinjeong-dong	185,174	11,516	22,166	11.9
Sinwol-dong	128,287	10,030	15,489	14.8
Total	471,026	30,268	56,742	12.04

data.seoul.go.kr, Aug. 17th, 2018.

- ⑥ As participants' experience, the health of the elderly in Yangcheon-gu is good in average. Significant difference of health can be noticed from the age of 75.
- ⑦ The health gap between the elderly have a tendency to follow the economic situation. The region of Mok-dong/Sinjeong-dong where the

economic state is stable, and Sinwol-dong where the economic state is relatively unstable, shows significant difference on the health of the elderly.

- ⑧ Although The demand for education of older people can be met by the programs in welfare center, their demand for health is still not fulfilled enough.
- ⑨ Therefore, 'Welfare in delivery' should be developed in considering to notice older people's preventable risks.

(4) Opinions on the condition of Yangcheon-Gu about 8 divisions of WHO Age-Friendly City guideline

Well-developed elements of the guideline in Yangcheon-Gu:

- ① Yangcheon-Gu has enough green field and parks. Also it has wider road for pedestrian and high accessibility to buildings.
- ② Higher stability on housing. (Enhancing interior facilities for older people is on working)
- ③ For the division of 'Respectful and social inclusion', Yangcheon-gu is running programs for integrating generations. For example, a lesson of traditional play for kids.

'Outdoor spaces and buildings' and 'Transportation'

- ① Enhancing components in this division is exceeding the capacity of a regional government. Therefore close collaboration and discussion are needed with the government of Seoul, National Police Agency and Ministry of Land, Infrastructure and Transport.
- ② Since the public transportation in Seoul is well-developed and the subway offers free ticket to people over 65, the transportation can be regarded as good to older people.

□ 'Social participation', 'Civic participation and employment', and 'Community and health services'

- ① More job opportunities for older people are needed as the welfare policy. But Yangcheon-gu has few job offers because of less companies located in Yangcheon-Gu.
- ② But in considering social participation of the elderly, giving them opportunity for being guardians for students and apartment complex can be a way to support them.
- ③ To investigate more sophisticated demand for welfare, Yangcheon-gu should pertain to understand daily life of older people. For example, using GPS in their cell phone, government is able to understand their tendency of daily route, using public transportation.

□ 'Housing'

- ① More rental housing is needed for older people who live alone. But close discussion and collaboration is needed with the government of Seoul and the Ministry of Land, Infrastructure and Transport because it exceeds the capacity of a regional government.
- ② Remodelling for older house is in process. But it is focused on the low-income.

□ 'Respect and social inclusion'

- ① Older people do not show gladness on the service from welfare center. But they are satisfied from services from community center.
- ② More opportunities for older people to participate is needed in the range of Yangcheon-gu community.

'Community and health services'

- ① At present, people must visit the center to register for programs.
- ② Since the demand is exceeded over slots in programs, joining through the internet is impossible at present. Also, many older people have problem to use the internet.
- ③ However, since most of 50s can use the internet, it is expected that the elderly would be able to use the internet in order to participate the welfare program within 5 years.

The concept suggested by WHO, namely 'active ageing', should be reconsidered. In accordance with the experience of welfare clerks, older people in Yangcheon-gu who are younger than 80 are looked as good as they are not bound in the concept of the elderly and perform the 'active ageing' enough.

As average life expectancy is expanding, the standard of the elderly should be systematically divided. For example, 'Preliminary stage', 'Practice stage', and 'Concluding stage' would make the service respectively fit to each stage.

Now the question for the welfare policy is about whether it maintains its welfare focused on welfare center, or it enhances infrastructure of the city for age-friendliness.

3. Survey results on the living situation of the elderly in Yangcheon-Gu

1) What are the hardest things in your life?

"Economic problem (40.6%)" was ranked as the foremost hardest thing in the lives of the old people residing in Yangcheon-Gu. The next was "self health problem (26.6%)."

<Table 19> Survey on the lives of the elderly : Difficulty in living life in old age (First choice)

Classification	N	%	Classification	N	%
Economic problem	121	40.6	Family issue	3	1.0
Self health	107	35.9	Leisure	5	1.7
Health of spouse	22	7.4	Psychological problem	4	1.3
Care burden	5	1.7	Loss of role	3	1.0
Housing problem	14	4.7	Other	2	0.7
Unemployment	12	4.0	Total	298	100.0

*N 3 : No answer

<Table 20> Survey on the lives of the elderly : Difficulty in living life in old age (Second choice)

Classification	N	%	Classification	N	%
Economic problem	34	11.9	Family issue	11	7.3
Self health	76	26.6	Leisure	36	3.8
Health of spouse	47	16.4	Psychological problem	30	12.6
Care burden	12	4.2	Loss of role	2	10.5
Housing problem	17	5.9	Other	-	-
Unemployment	21	4.0	Total	286	100.0

*N 15 : No answer

2) Economic conditions

Are you currently working, and do you have stable income?

<Table 21> Survey on the lives of the elderly : Economic activity of the elderly

Classification	N	%
Yes	56	20.0
No	224	80.0
Total	280	100.0

*N 21 : No answer

What is your average monthly income?

The average monthly income of the research subjects were 885,000KWN.

<Table 22> Survey on the lives of the elderly : Average monthly income of the elderly

Classification	N	Minimum	Maximum	Average	Standard deviation
10 thousand KWN	164	0	500	88.598	88.463

What is your job?

<Table 23> Survey on the lives of the elderly : Occupation of the elderly

Classification	N	%	Classification	N	%
Self-employed	10	5.9	Day laborer	14	8.3
Office job	5	3.0	Government	36	21.3
Self-employed small business owner	6	3.6	Management	9	5.3
Specialized job	11	6.5	Other	78	46.2
Total				169	100.0

□ If you get a chance to work, are you willing to take the job?

What kind of work do you want to do?

According to the results of the analysis on employment opportunity, there are more people who are willing to work and answered "yes (63.5%)" than the people who answered "no (36.5%)." The kind of work they want to be involved in are "public interest (32.69%)," "welfare sector (24.3%)," and "education (20.2%)."

<Table 24> Survey on the lives of the elderly : Intention of work

Classification	N	%
Yes	181	63.5
No	104	36.5
Total	285	100.0

*N 16 : No answer

<Table 25> Survey on the lives of the elderly : Kind of work they want to be involved in

Classification	N	%
Education	35	20.2
Public sector	57	32.9
Welfare	42	24.3
Dispatched worker	22	12.7
Market	7	4.0
Other	10	5.8
Total	173	100.0

How much is your monthly average pocket money?

According to the analysis, the elderly's monthly use of pocket money is approximately 440 thousand KWN.

<Table 26> Survey on the lives of the elderly : Pocket money

Classification	N	Minimum	Maximum	Average	Standard Deviation
10 thousand KWN	223	0	200	44.027	37.662

Do you feel difficulties in your economic circumstance?

<Table 27> Survey on the lives of the elderly : Economic difficulty

Classification	N	%
Do not feel difficulty at all	31	10.3
Hardly feel difficulty	114	38.0
Often feel difficulty	110	36.7
Feel extreme difficulty	45	15.0
Total	300	100.0

*N 1 : No answer

Are you prepared for your post-retirement? What is the most important thing in post-retirement preparation? If not prepared, what is your plan for your future?

<Table 28> Survey on the lives of the elderly : Preparation for post-retirement

Classification	N	%
Prepared	101	35.6
Not prepared	183	64.4
Total	284	100.0

*N 17 : No answer

<Table 29> Survey on the lives of the elderly : The ranking of the importance in preparation of post-retirement

Classification	N	%
National pension	73	34.8
Other public pension	29	13.8
Private pension	12	5.7
Severance pay	8	3.8
Savings	28	13.3
Real estate	21	10.0
Other	39	18.6
Total	210	100.0

*N 91 : No answer

<Table 30> Survey on the lives of the elderly : Plans for preparation of the post-retirement

Classification	N	%
Haven't thought about it	45	18.4
Will prepare	76	31.0
Do not have the ability to prepare	86	35.1
Turn to children	38	15.5
Total	245	100.0

*N 56 : No answer

What is the most frequent way of getting pocket money or living expenses?

According to the analysis on pocket money and living expenses, "employment and business" is the most frequent way of getting money at 24.3%, and the next most chosen answer is "receiving money from children or relatives (32.3%)."

<Table 31> Survey on the lives of the elderly : Method of acquiring pocket money and living expense
(First choice)

Classification	N	%
Employment or business	70	24.3
Property income	46	16.0
Pension and Severance pay	66	22.9
Savings	23	8.0
Children or relatives	53	18.4
Government or social groups	30	10.4
Total	288	100.0

*N 13 : No answer

<Table 32> Survey on the lives of the elderly : Method of acquiring pocket money and living expense
(Second choice)

Classification	N	%
Employment or business	14	6.0
Property income	34	14.7
Pension and Severance pay	33	14.2
Savings	27	11.6
Children or relatives	75	32.3
Government or social groups	49	21.1
Total	232	100.0

3) Health

How concerned are you in health? (Health management)

<Table 33> Survey on the lives of the elderly : Health management

Classification	N	%
Endure pain	10	3.3
Endure pain a little	146	48.5
Go to hospital even for little pain	58	19.3
Go to hospital periodically	66	21.9
Self treatment	14	4.7
Other	7	2.3
Total	301	100.0

How is your health status compared to your friends?

<Table 34> Survey on the lives of the elderly : Health condition

Classification	N	%
Very healthy	15	5.0
Healthy	118	39.3
Relatively similar to friends	99	33.0
Not healthy	53	17.7
Very unhealthy	15	5.0
Total	300	100.0

*N 1 : No answer

How often do you skip a meal?

<Table 35> Survey on the lives of the elderly : Number of skipping a meal

Classification	N	%
Five times or more per week	5	2.1
1~4 times per week	39	16.1
I never skip a meal.	198	81.8
Total	242	100.0

*N 59 : No answer

How difficult is it to perform the following daily tasks?

<Table 36> Survey on the lives of the elderly : Difficulties in moving

Classification	N	%
No difficulty at all	208	69.6
A little difficult, but manageable with assisting devices	50	16.7
Someone needs to help on staircases and rough roads.	26	8.7
Always need help	9	3.0
Can not go out or move at all	6	2.0
Total	299	100.0

*N 2 : No answer

4) Leisure, psychological and social activities

How do you usually spend your day? (Multiple choice)

<Table 37> Survey on the lives of the elderly : Main leisure activity^a

Classification	N	%	Classification	N	%
Work	38	7.2	Religion	58	11.0
Meeting friends	107	20.3	House work, caring for grandchildren	17	3.2
Volunteer	34	6.4	Watching TV, listening to radio	54	10.2
Families	14	2.7	Sleep	6	1.1
Hobby, exercise	102	19.3	Nothing much	26	4.9
Joining welfare center programs	71	13.4	Other	1	0.2
Total			528	100.0	

a. Selected group

Do you have experience volunteering?

<Table 38> Survey on the lives of the elderly : Experience in volunteering

Classification	N	%
Yes	148	49.5
No	151	50.5
Total	299	100.0

*N 2 : No answer

How deep is your feeling of loneliness on a daily basis?

According to the research analysis of the feeling of loneliness of the elderly, the most frequent chosen answer is "do not feel loneliness in particular" at 52.0%, but the answer "frequently feel lonely" ranks second at 23.0%

<Table 39> Survey on the lives of the elderly : Loneliness and alienation

Classification	N	%
Never feel loneliness	47	15.7
Do not feel loneliness in particular	156	52.0
Frequently feel lonely	69	23.0
Very frequently feel lonely	28	9.3
Total	300	100.0

*N 1 : No answer

Are you satisfied with your leisure and social activities?

<Table 40> Survey on the lives of the elderly : Satisfaction level of leisure and social activity

Classification	N	%
Very satisfied	41	13.7
Satisfied	176	58.7
Not satisfied	66	22.0
Not satisfied at all	17	5.7
Total	300	100.0

*N 1 : No answer

What is the most difficult thing in conducting leisure activity?

<Table 41> Survey on the lives of the elderly : Difficulty in conducting leisure and social activity

Classification	N	%	Classification	N	%
Economic burden	74	24.7	Health problem	61	20.3
Lack of time	56	18.7	No problem	48	16.0
Lack of leisure programs	45	15.0	Other	4	1.3
Lack of leisure facility	12	4.0	Total	300	100.0

*N 1 : No answer

5) Residing neighborhood and housing

What is your satisfaction level of the neighborhood you reside in?

<Table 42> Survey on the lives of the elderly : Satisfaction level of neighborhood

Classification	N	%
Very dissatisfied	24	8.0
Not satisfied	72	24.0
Neither good nor bad	81	27.0
Kind of satisfied	104	34.7
Very satisfied	19	6.3
Total	300	100.0

*N 1 : No answer

What is your living status?

<Table 43> Survey on the lives of the elderly : Living status

Classification	N	%
Own home	192	64.2
A lease without rent	71	23.7
Rent	16	5.4
Permanent rental	12	4.0
Other	8	2.7
Total	299	100.0

*N 2 : No answer

What is your housing type?

<Table 44> Survey on the lives of the elderly : Housing type

Classification	N	%
Singe home	64	21.5
Low-rise multiplex	106	35.7
High-rise apartment	123	41.4
Other	4	1.3
Total	297	100.0

*N 4 : No answer

4. Results of the policy demand survey on making age-friendly city in Yangcheon-Gu

1) the elderly and adults indicate that Yangcheon-Gu need more employment opportunity for creating age-friendly city. Meanwhile, the second and third choices are conflicting between the elderly citizens and other citizens.

<Table 45> Projects needed for creating age-friendly city : Survey on the elderly policy demand

Classification	the elderly			adults		
	Rank	N	%	Rank	N	%
the elderly employment expansion	1	121	40.5	1	117	39.9
Establishment of the elderly welfare community center	2	48	16.1	4	28	9.6
Expansion of existing the elderly welfare center and the elderly citizen center	3	35	11.7	8	26	8.9
Living expanse assistance and economic assistance	4	18	10.0	2	43	14.7
Expansion on events for the elderly	5	30	6.0	9	7	2.4
Expansion of the elderly nursing homes	6	24	8.0	6	14	4.8
Assistance in improving roles of the old people	7	6	3.0	3	29	9.9
Service expansion for the old people in their homes	8	9	2.0	5	16	5.5
Gradual policy improvement and social awareness	8	6	2.0	7	13	4.4
Other	10	2	0.7	-	-	-
Total		299	100.0		293	100.0

* the elderly : N 2 No answer , adults : N 1 No answer

- ① In case of the elderly, construction of the elderly welfare community center ranks the second and expanding the elderly welfare center and the elderly citizen center ranks the third, which is aligned with the pledges made by the public officer.
- ② However, other general citizens focus more on establishing policy relieving economic hardship of the elderly.

2) the elderly and other citizens all agree that the community center (first choice), health care facility (second choice), and parking lots (third choice) need to be expanded.

<Table 46> Facilities that need to be expanded in Yangcheon-gu

Classification	the elderly			adults		
	Rank	N	%	Rank	N	%
Welfare community center	1	87	29.2	1	59	20.1
Health care facility	2	32	19.8	2	55	18.8
Parking	3	59	12.4	3	37	12.6
Parks	4	26	10.7	6	28	9.6
Social welfare facility	5	37	8.7	4	34	11.6
Culture and art facility	6	20	6.7	5	30	10.2
Gymnasium and Sports arena	7	4	4.4	8	15	5.1
Counselling office	8	9	3	10	5	1.7
Other	9	13	2.3	11	3	1.0
Library	10	4	1.3	7	21	7.2
Bike roads and racks	10	7	1.3	9	6	2.0
Total	-	298	100.0	-	293	100.0

* the elderly : N 3 No answer , adults : N 1 No answer

5. Summary of the results of the survey on the lives of the elderly and policy demand survey

1) The most critical problems or major difficulties are economic problem, self health problem, health problem of spouse, housing problem, and unemployment.

<Table 47> Current difficulties

Classification	N	%	Classification	N	%
Economic problem	121	40.6	Family issue	3	1.0
Self health problem	107	35.9	Leisure activity	5	1.7
Health problem of spouse	22	7.4	Psychological problem	4	1.3
Care burden	5	1.7	Loss of role	3	1.0
Housing problem	14	4.7	Other	2	0.7
Unemployment	12	4.0	Total	298	100.0

* N 3 : No answer

2) Meanwhile, the order of what the old people think most important in their old age is income security (first choice), leisure activity (second choice), employment available to old people (third choice). There are difference between the current difficulties and what they think it is most important in life.

<Table 48> The most important items in life in old age

Classification	N	%	Classification	N	%
Income security	149	49.7	Social participation	4	1.3
Old age employment	31	10.3	Gradual improvement in the elderly welfare policy	5	1.7
Healthy life	102	34.0	Other	2	0.7
Leisure activity	7	2.3	Total	300	100.0

* N 1 : No answer

- 3) The most needed services are health service (first choice), economic service (second choice), living and housekeeping services (third choice), and psychosocial service (fourth choice).

<Table 49> The most needed service in old age

Classification	N	%
Living and housekeeping services	39	13.0
Health service	167	55.5
Economic service	65	21.7
psychosocial service	28	9.4
Total	299	100.0

* N 2 : No answer

4) Average monthly income of the elderly is 885,900KWN (standard deviation 884,600KWN). Monthly living expense (pocket money) is 440,200KWN (standard deviation 376,600KWN), while the number of old people who are prepared for post-retirement is only 101 (35.6%).

<Table 50> Where living expense and pocket money came from

Classification	N	%
Earned income and business	70	24.3
Property income	46	16.0
Pension and severance pay	66	22.9
Savings	23	8.0
Children and relatives	53	18.4
Government and social organizations	30	10.4
Total	288	100.0

* N 13 : No answer

- ① Living expense and pocket money of the elderly mostly come from earned income and business (24.3%). Pension and severance pay, children and relatives, and property came next.
- ② In case of Yangcheon-Gu, most old people are not prepared for the old age. The living expense usually come from earned income and private transfer income. This means the the elderly policy of Yangcheon-Gu needs to be focused on income and work.