(1) Survey Overview

(가) Purpose of Investigation

The purpose of the project is to create a better urban environment for the aged society, and to develop Gongju into an age-friendly city in the future through diagnosis of current issues and analysis of respondents' feedback
Use it as basic data for establishing basic plans, guidelines, and action plans for age-friendly cities in the future.

(나) Research subjects

Target group : 200 Gongju citizens aged over 50
- Method of distributing the samples: Stratified multistage sampling
  (The number of samples was set according to the proportion of population by area, to research specific regions, gender or different ages.)
- Required effective copies: 200 copies (95% reliability, ±5% error range)

(다) Survey contents

This survey investigated the general matters relevant to the respondents. The findings are to be used as basic data for analysis and for assessing the citizens' perception of Gongju as an age-friendly city. The diagnosis of age-friendliness was conducted with WHO guidelines regarding the social, economic, and cultural expectations people aged over 50 had of their city.

(라) Research method

Standardized questionnaires were distributed in May 2020 by public officials working at the Administrative Welfare Center and citizens visiting the center. At the same time, pre-trained researchers met the respondents in person and conducted an Off-Line survey.

(2) Respondent's general information

The information of 201 people aged over 50 (we call them 'elderly' from now on) in Gongju City (Gender, age, educational background, marital status, family members, health status, disability, national social security benefits, housing, economic activities, jobs, etc.)

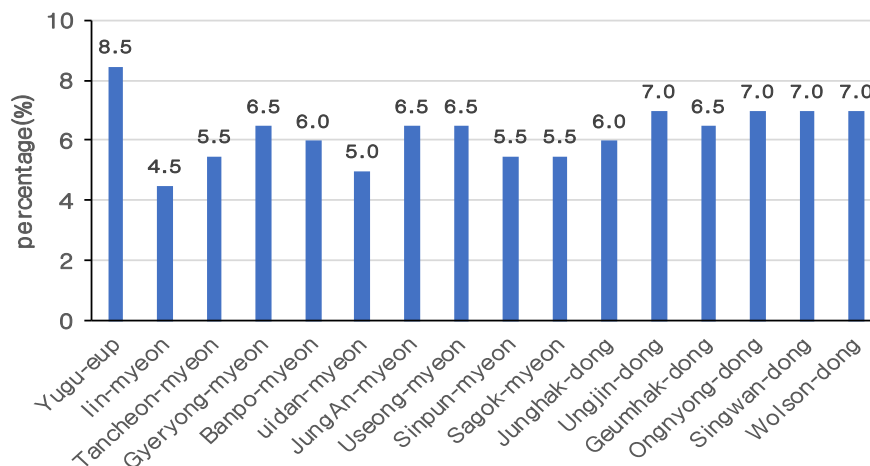### (가) Place of residence of survey respondents

Elderly: Yugu-eup 17 persons (8.5%), lin-myeon 9 persons (4.5%), Tancheon-myeon

11 persons (5.5%), Gyeryong-myeon 13 persons (6.5%), Banpo-myeon 12 persons (6.0%), Uidan-myeon 10 persons (5.0%), Jungan-myeon 13 persons (6.5%), Sinpung-myeon 11 persons (5.5%), Sagok-myeon 11 persons (5.5%), Junghak-don 12 persons (6.0%), Ungjin-dong 14 persons (7.0%), Gumhak-don 13 persons (6.5%), Ongnyong-don 14 persons (7.0%), Shingwan-dong 14 persons (7.0%), Wolsong-dong 14 persons (7.0%)

❚ [Table 1] Place of residence of survey respondents

[unit : person, %]

section	elderly	percentage
Yugu-eup	17	8.5
Iin-myeon	9	4.5
Tancheon-myeon	11	5.5
Gyeryong-myeon	13	6.5
Banpo-myeon	12	6.0
Uidan-myeon	10	5.0
Jungan-myeon	13	6.5
Useong-myeon	13	6.5
Sinpung-myeon	11	5.5
Sagok-myeon	11	5.5
Junghak-don	12	6.0
Ungjin-don	14	7.0
Geumhak-don	13	6.5
Ongnyong-don	14	7.0
Singwan-don	14	7.0
Wolson-don	14	7.0
total	201	100.0

❚ [picture 1] Percentage of place of residence of survey respondents
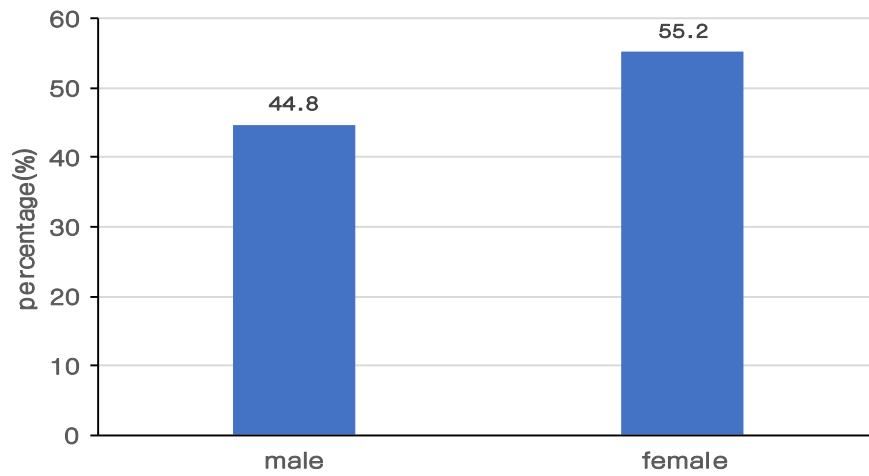
(나) Gender of survey respondents

Elderly : 90 males (44.8%), 111 females (55.2%)

▌ [table 2] Gender of survey respondents

[unit : person, %]

Section	Elderly	Percentage
Male	90	44.8
Female	111	55.2
Total	201	100.0

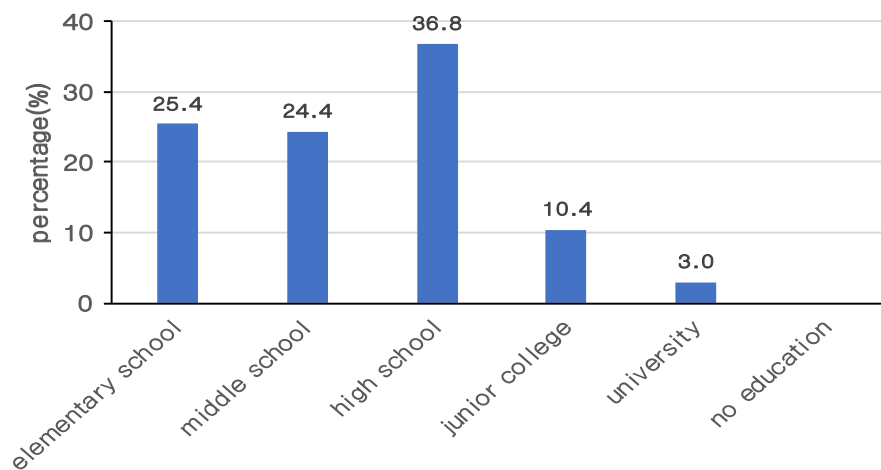▌ [picture 2] Percentage of Survey Respondents' Gender

(다) Educational background of survey respondents

Elderly: There were no respondents who had no education. There were 51 elementary school graduates (25.4%), 49 middle school graduates (24.4%), 74 high school graduates (36.8%), 21 junior college (college less than 4 year) graduates (10.4%), and 6 university graduates or higher (3%)

▌ [table 3] Educational background of survey respondents

[unit : person, %]

Edumcational level	Respondent	Percentage
Elementary school	51	25.4
Middle school	49	24.4
High school	74	36.8
Junior college	21	10.4
University	6	3.0
No education	0	0.0
total	201	100

▌ [picture 3] Percentage of Educational background of survey respondents

㈜ Marital status of survey respondents

Elderly : 134 married (66.7%); 44 Bereaved (21.9%); 21 divorced/separated persons (10.4%); 2 unmarried (1.0%)

▌ [table 4] Marital status of survey respondents

[unit : person, %]

Category	Elderly	Percentage
Married	134	66.7
Bereaved	44	21.9
Divorced/Separated	21	10.4
Unmarried	2	1.0
Others	0	0
Total	201	100
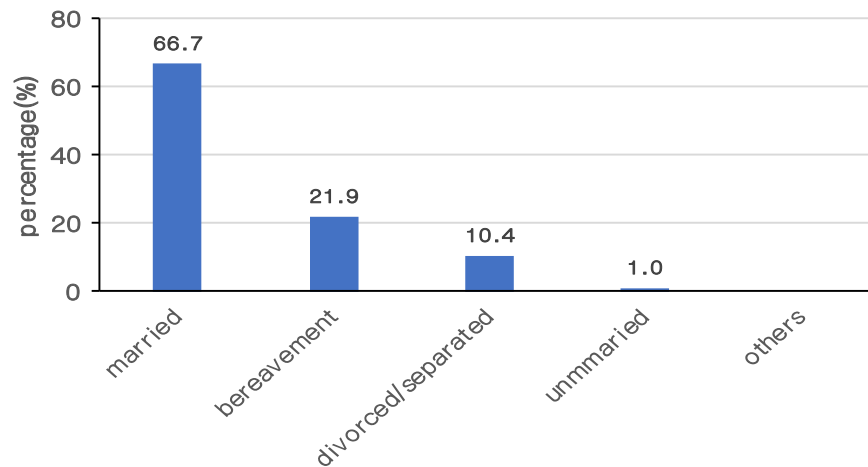
▌ [picture 4] Percentage of Marital status of survey respondents

(마) Family members of survey respondents

Elderly : 44 live alone (16.5%); 136 live with spouse (51.1%); 74 live with children (27.8%); 7 live with parents (2.6%); 5 live with grandchildren (1.9%), and 0 others (0.0%) (multiple responses)

▌ [table 5] Family Members of Survey Respondents(Multiple Responses)

[unit : person, %]

Status	Elderly	Percentage
Live alone	44	16.5
Live with spouse	136	51.1
Live with children	74	27.8
Live with parents	7	2.6
Live with grandchildren	5	1.9
Others	0	0
Total	266	100.0
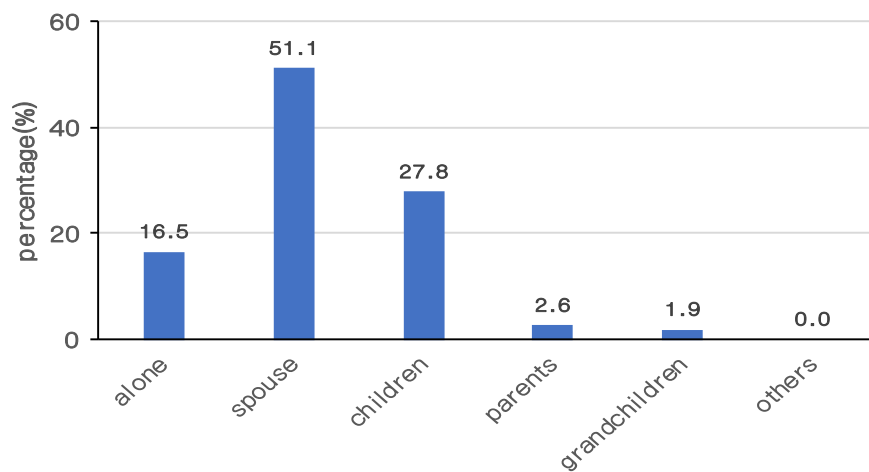
▌ [picture 5] Percentage of Family members of survey respondents(multiple responses)

(바) Health status of survey respondents

Elderly: 15 are very healthy (7.5%); 84 are healthy (41.8%); 53 are of average health (26.4%); 43 are unhealthy (21.4%); and 6 are very unhealthy (3.0%).

▌ [table 6] Health status of survey respondents

[unit : person, %]

Status	Elderly	Percentage
Very healthy	15	7.5
Healthy	84	41.8
Neither	53	26.4
Unhealthy	43	21.4
Very unhealthy	6	3.0
Total	201	100
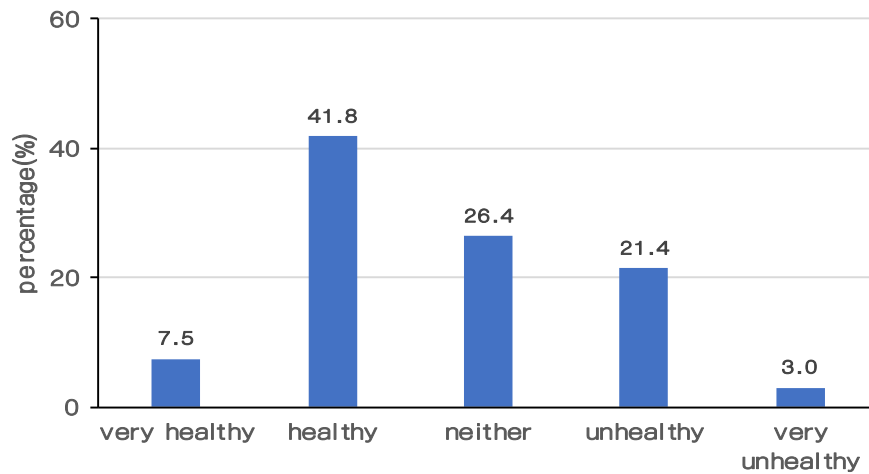
▌ [picture 6] Percentage of Health status of survey respondents

(사) Disability status of survey respondents

Elderly : Disabled 37 (18.4%), Non-disabled 164 (81.6%)

▍[table 7] Disability Status of Survey Respondents

[unit : person, %]

Status	Elderly	Percentage
Disabled	37	18.4
Nnon-disabled	164	81.6
Total	201	100
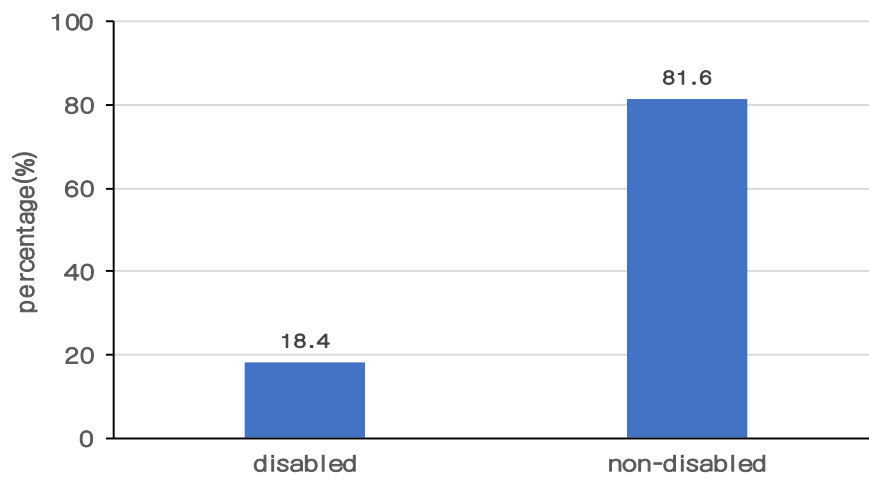
▍[picture 7] Percentage of Disability Status of Survey Respondents

(아) Status of Survey Respondents Regarding National Social Security Benefits

Elderly: 19 are receiving (9.5%), 182 are not receiving (90.5%)

❚ [table 8] National Social Security benefits receiving status of survey respondents

[unit : person, %]

Status	Elderly	Percentage
Receiving	19	9.5
Non-receiving	182	90.5
Total	201	100
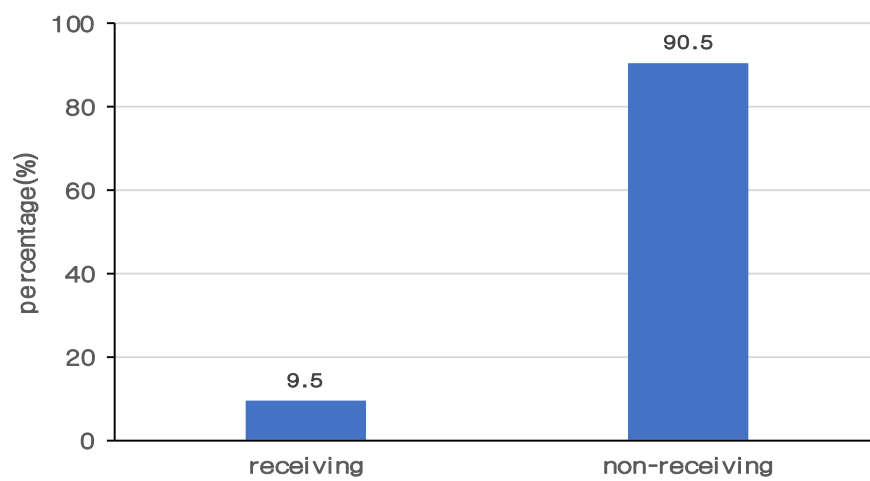
❚ [picture 8] Percentage of National Social Security benefits receiving status of survey respondents

(자) Housing Type of Survey Respondents

Elderly : 84 live in independent houses (41.8%); 42 live in row houses (20.9%); 63 live in apartments (31.3%); 1 lives in studio apartment (0.5%); 0 lives in non-residential buildings (0.0%); 1 lives in living facilities (0.5%); 8 live in single rooms (4.0%); and 2 reported other modes of stay (1.0%).

❚ [table 9] Housing type of survey respondents

[unit : person, %]

Category	Elderly	Percentage
Independent house	84	41.8
Row house	42	20.9
Apartment	63	31.3
Studio apartment	1	0.5
Non-residential building	0	0.0
Living facilities	1	0.5
Single room	8	4.0
Others	2	1.0
Total	201	100
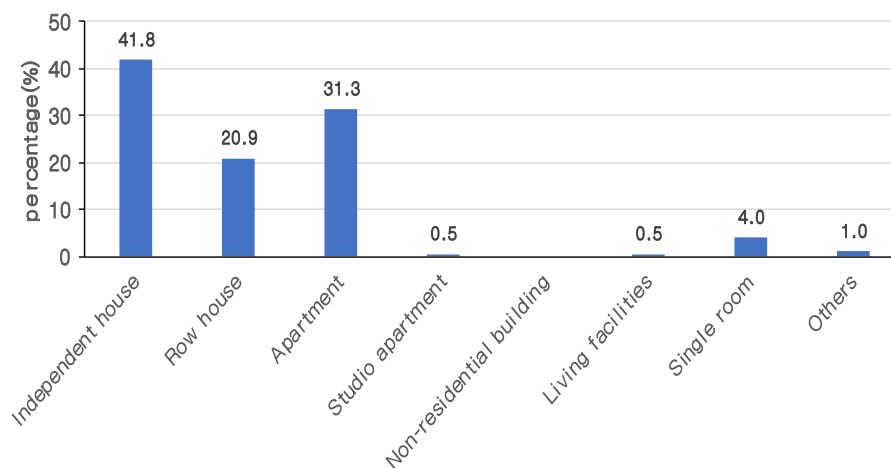
❚ [picture 9] Percentage of Housing type of survey respondents

(차) Types of housing ownership of survey respondents

Elderly : 145 have own house (72.1%); 30 are on lease (14.9%); 15 pay monthly rent (7.5%); 6 live in free accommodation (3.0%); and 5 reported other modes (2.5%).

▌[table 10] Types of housing ownership of survey respondents

[unit : person, %]

Category	Elderly	Percentage
Own house	145	72.1
Lease	30	14.9
Monthly rent	15	7.5
Free accommodation	6	3.0
Others	5	2.5
Total	201	100
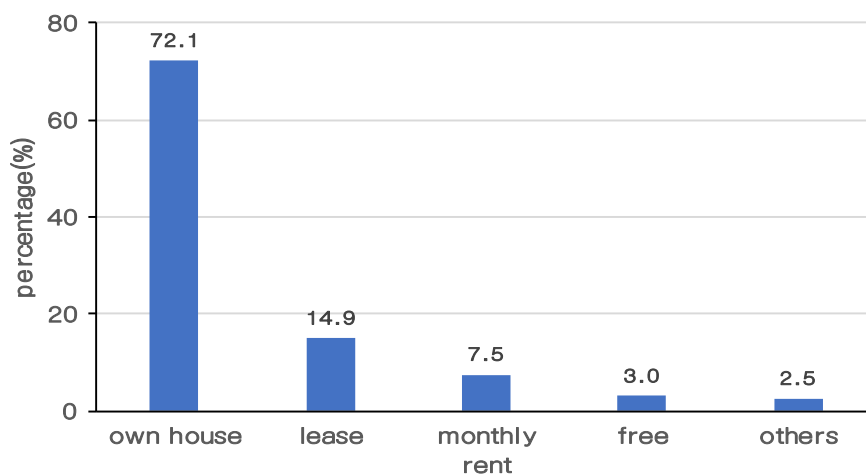
▌[picture 10] Percentage of Types of Survey Respondents' Housing Ownership

(가) Economic Activity Status of Survey Respondents

Elderly : 113 are engaged in economic activities, and 80 are not engaged in economic activities (43.8%).

▎ **[table 11] Economic activity status of survey respondents**

[unit : person, %]

Status	Elderly	Percentage
Engaged in economic activity	113	56.2
No economic activity	88	43.8
Total	201	100
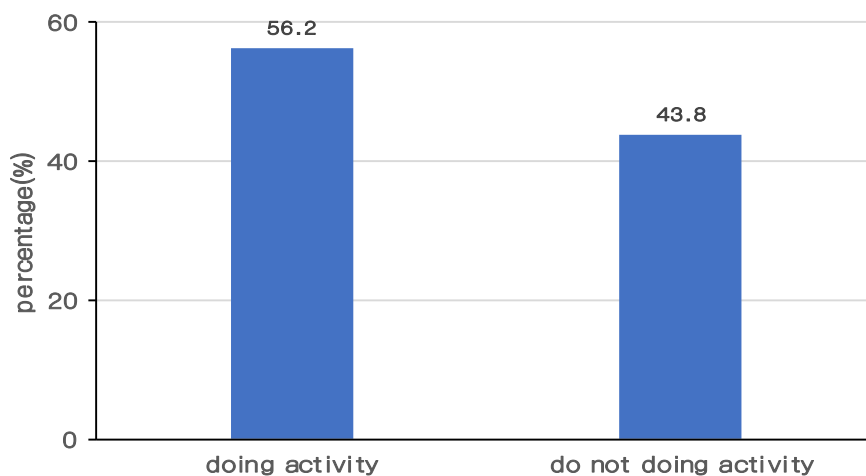
▎ **[picture 11] Percentage of Economic Activity Status of Survey Respondents**

(타) Occupations of survey respondents

Elderly : : 5 professionals (2.5%); 2 management staff (1.0%); 10 office workers (5.0%); 32 sales/service personnel (15.9%); 12 production/technical workers (6.0%); 45 self-employed business owners (22.4%); 18 housewife (9.0%), 0 students (0.0%), 70 unemployed (34.8%); and 7 others (3.5%).

▌[table 12] Jobs of survey respondents

[unit : person, %]

Occupation	Elderly	Percentage
Professional	5	2.5
Management staff	2	1.0
Office worker	10	5.0
Sales/service personnel	32	15.9
Production/technical worker	12	6.0
Self-employed business owners	45	22.4
Housewife	18	9.0
Student	0	0.0
Unemployed	70	34.8
Others	7	3.5
Total	201	100
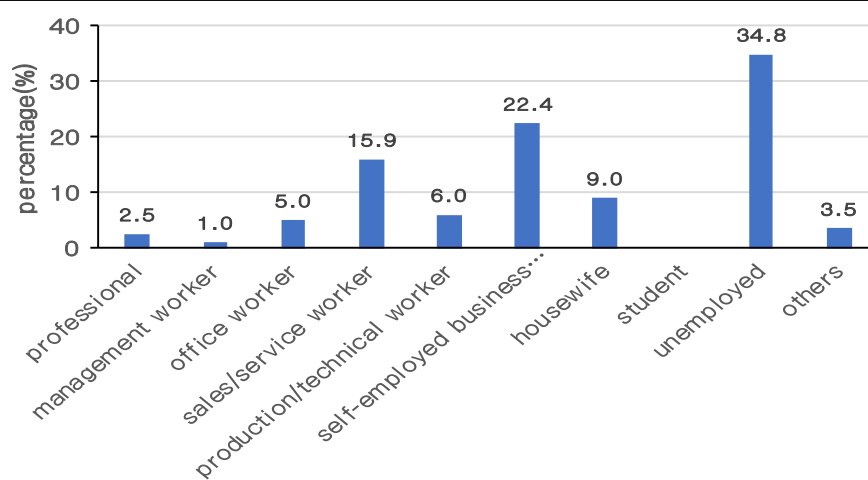
▌[picture 12] Percentage of jobs of survey respondents

(3) Age-friendly baseline assessment

To diagnose the age-friendliness of Gongju, this survey administered questions regarding the following eight areas: outdoor spaces and buildings; housing; transportation; social participation; volunteer work and jobs; social respect and consideration; communication and information; community support and health.

- The average score (out of 5 points) and percentage (%) expressed by respondents aged 50 or older were measured in five categories. These categories shall be represented by 'Strongly disagree', 'Disagree', Can't say, 'Agree' and Strongly agree', or similar terms.

(가) Outdoor space and buildings

① Survey Contents of Outdoor Space and Buildings

The components of outdoor space and building areas offer sufficient resting facilities, walkways, crosswalk safety, environmental safety, service for senior citizens, convenience facilities, and appropriate public toilets. Each factor and detailed statement are as follows:

- Sufficient Resting Facilities
  - There is an easy-to-use park or walkway near the house.
  - The streets, parks, and trails are well equipped with benches and toilets that can be used as needed.
- Walkways
  - The walkway has sufficient width for wheelchairs.
  - The floor of a frequently used walkway is easy to walk on because there are no obstacles.
- Crosswalk safety
  - The time for crossing (walking time) a crosswalk is set sufficiently.
  - The crosswalk is equipped with special traffic lights and emergency bells for the elderly.
- Environmental and safety
  - The neighborhood in which I currently live is less dangerous and safe thanks to night lighting and police patrols.
  - The system is well equipped to respond to accidents such as falls, outbreaks, and injuries that are likely to occur in the elderly.
- Service for senior citizens

- Public buildings and other buildings have information facilities for the elderly.
- Public buildings have established preferential services such as reception tables for senior citizens.
  - Convenience facilities
    - Convenience facilities such as elevators and a sufficient number of chairs are provided in public buildings.
    - It is possible to walk or move wheelchairs in a free manner, and the spaces are convenient for elderly people with various physical abilities.
  - Appropriate Public Toilets
    - Public toilets are clean and provided in an appropriate number.
    - Public toilets are equipped with safety facilities (safety handles, floor slumps, emergency bells, switches, etc.).

② Survey Results of 'Outdoor Space and Buildings'

■ Sufficient Resting Facilities

☐ There is an easy-to-use park or walkway near the house.

Average score for the elderly group was 2.91 out of 5.
- Strongly agree (3.5%); Agree (31.3%); Can't say (26.4%); Disagree (30.3%); Strongly disagree (8.5%).

▎ [table 13] There is an easy-to-use park or walkway near the house.

Degree of age-friendliness	Elderly	
	Response	Percentage
Strongly disagree	17	8.5
Disagree	61	30.3
Can't say	53	26.4
Agree	63	31.3
Strongly agree	7	3.5
Total	201	100.0
Average score	2.91	

◻ The streets, parks, and trails are well equipped with benches and toilets that can be used as needed

Average score for the elderly group was 3 out of 5.

- Strongly agree (3.5%); Agree (31.8%); Can't say (31.8%); Disagree (26.9%); Strongly disagree (6.0%).

▌ [table 14] The streets, parks, and trails are well equipped with benches and toilets that can be used as needed.

Degree of age-friendliness	Elderly	
	Response	Percentage
Strongly disagree	12	6.0
Disagree	54	26.9
Can't say	64	31.8
Agree	64	31.8
Strongly agree	7	3.5
Total	201	100.0
Average score	3.0	
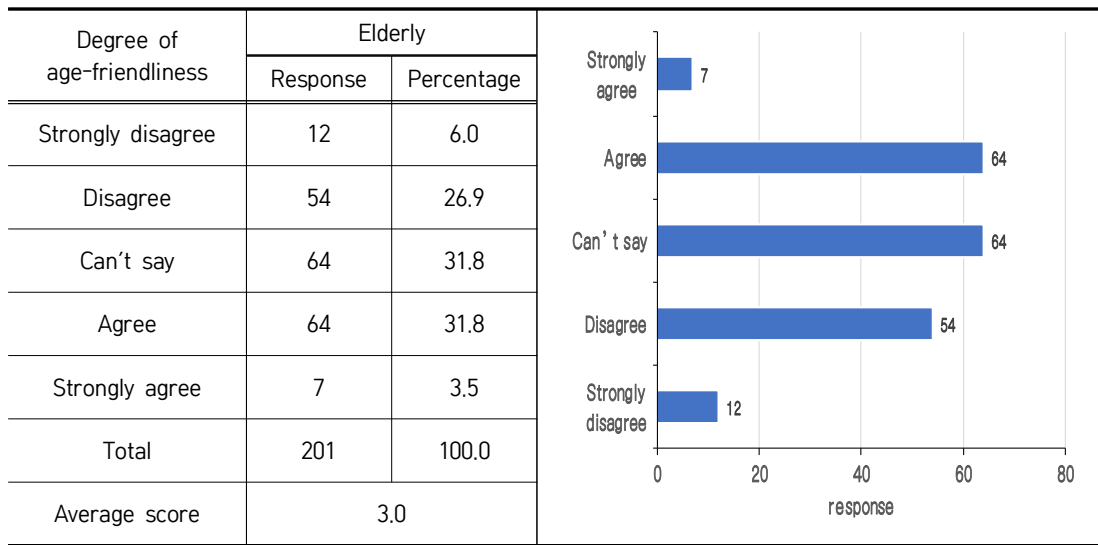
◼ Walkways

◻ The walkways have sufficient width for wheelchairs.

Average score for the elderly group was 2.97 out of 5.

- Strongly agree (1.5%); Agree (8.92%); Can't say (38.3%); Disagree (27.9%); Strongly disagree (3.5%).

▌[table 15] The walkways have sufficient width for wheelchairs.

Degree of age-friendliness	Elderly	
	Response	Percentage
Strongly disagree	7	3.5
Disagree	56	27.9
Can't say	77	38.3
Agree	58	28.9
Strongly agree	3	1.5
Total	201	100
Average score	2.97	
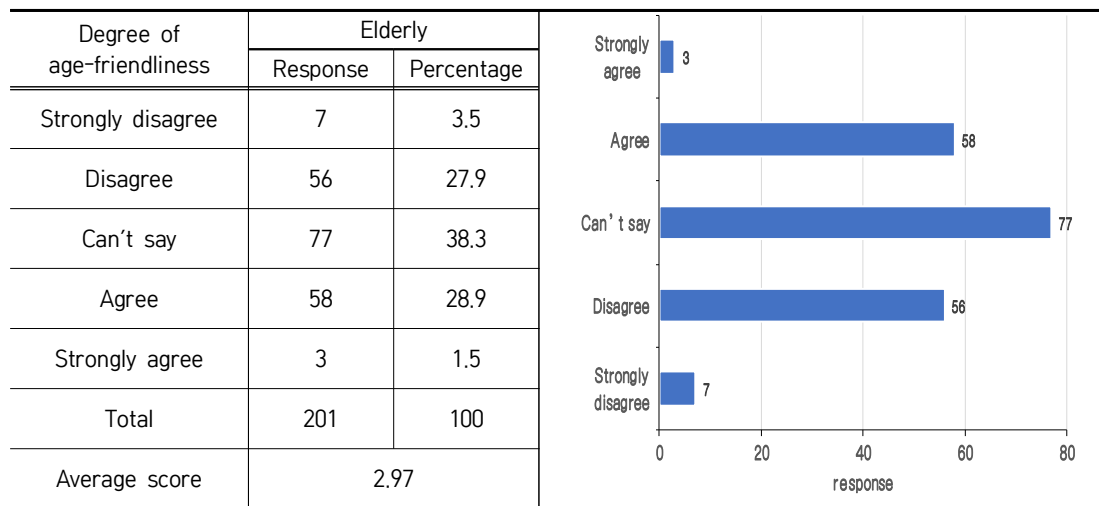
☐ **The frequently used walkways are easy to walk on as there are no obstacles.**

Average score for the elderly group is 2.97 out of 5.

- Strongly agree (2.0%), yes (20.4%), Can't say (40.3%), Disagree (31.3%), Strongly disagree (6.0%).

▌[table 16] The frequently used walkways are easy to walk on as there are no obstacles.

degree of age-friendly	Elderly	
	Response	Percentage
Strongly disagree	12	6.0
Disagree	63	31.3
Can't say	81	40.3
Agree	41	20.4
Strongly agree	4	2.0
total	201	100.0
average score	2.81	
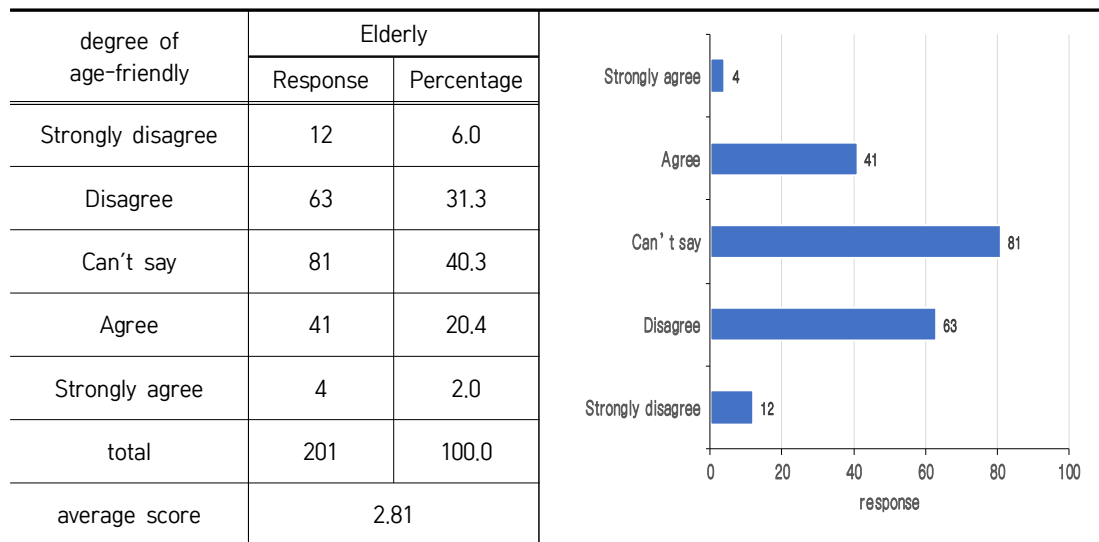
■ **Crosswalk safety**

☐ **The time for crossing (walking time) a crosswalk is set sufficiently.**

Average score for the elderly group was 2.89 out of 5.

- Strongly agree (1.0%); Agree (28.9%); Can't say (33.3%); Disagree (31.3%); Strongly disagree (5.5%).

▎[table 17] The time for crossing (walking time) a crosswalk is set sufficiently.
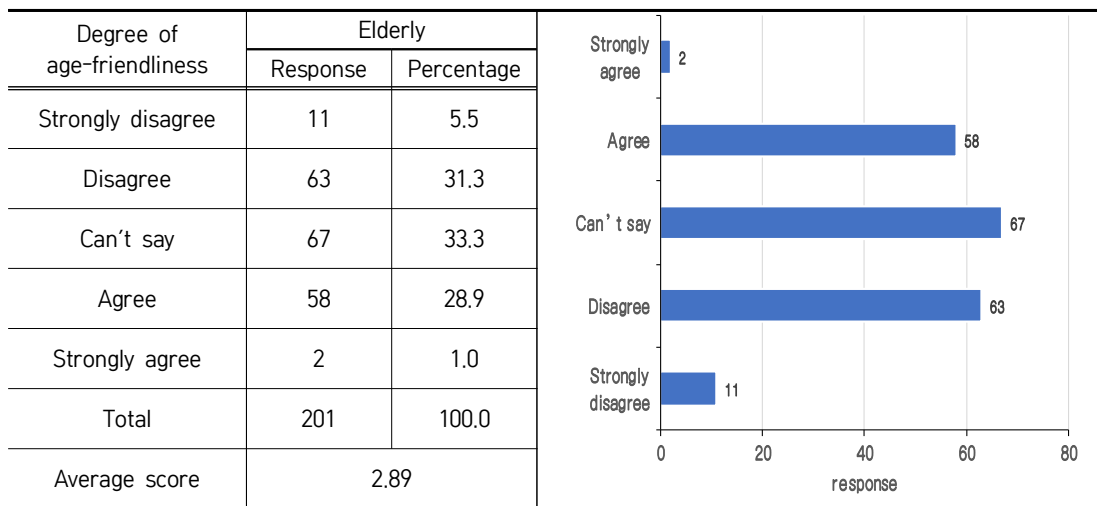
Degree of age-friendliness	Elderly	
	Response	Percentage
Strongly disagree	11	5.5
Disagree	63	31.3
Can't say	67	33.3
Agree	58	28.9
Strongly agree	2	1.0
Total	201	100.0
Average score	2.89	

☐ **The crosswalk is equipped with special traffic lights and emergency bells for the elderly.**

Average score for the elderly group is 2.62 out of 5.

 - Strongly agree (0.5%); Agree (13.9%); Can't say (40.3%); Disagree (37.8%); Strongly disagree (7.5%).

▎[table 18] The crosswalk is equipped with special traffic lights and emergency bells for the elderly.

Degree of age-friendliness	Elderly	
	Response	Percentage
Strongly disagree	15	7.5
Disagree	76	37.8
Can't say	81	40.3
Agree	28	13.9
Strongly agree	1	0.5
Total	201	100.0
Average score	2.62	
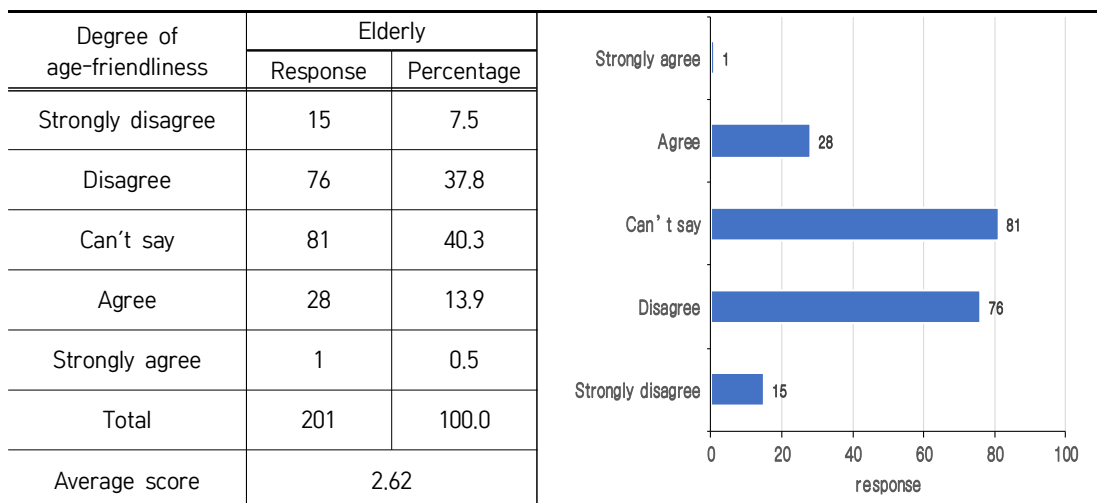
🔲 Environmental Safety

☐ **The neighborhood in which I currently live is less dangerous and safe thanks to night lighting and police patrols.**

Average score for the elderly group was 2.62 out of 5.

 - Strongly agree (3.0%); Agree (28.9%); Can't say (40.3%); Disagree (25.4%); Strongly

disagree (2.5%).

▌ [table 19] The neighborhood in which I currently live is less dangerous and safe thanks to night lighting and police patrols.

degree of age-friendly	Elderly	
	Response	Percentage
Strongly disagree	5	2.5
Disagree	51	25.4
Can't say	81	40.3
Agree	58	28.9
Strongly agree	6	3.0
total	201	100.0
average score	3.04	
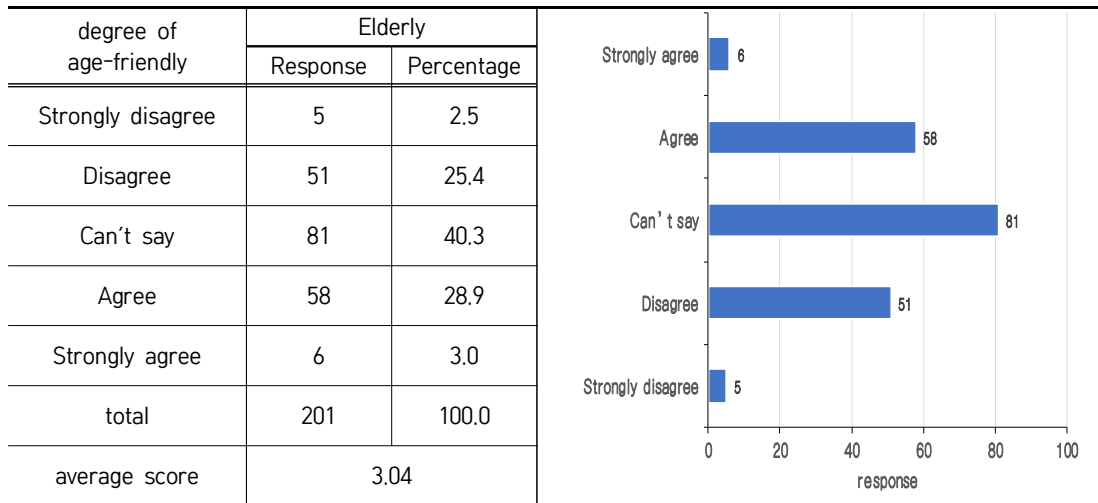
□ The system is well equipped to respond to accidents such as falls, outbreaks, and injuries that are likely to occur in the elderly.

○ Average score for the elderly group was 2.73 out of 5.

- Strongly agree (3.0%); Agree (11.9%); Can't say (47.3%), Disagree (30.3%); Strongly disagree (7.5%).

▌ [table 20] The system is well-equipped to respond to accidents such as falls, outbreaks, and injuries that are likely to occur in the elderly.

Degree of age-friendliness	Elderly	
	Response	Percentage
Strongly disagree	15	7.5
Disagree	61	30.3
Can't say	95	47.3
Agree	24	11.9
Strongly agree	6	3.0
Total	201	100.
Average score	2.73	
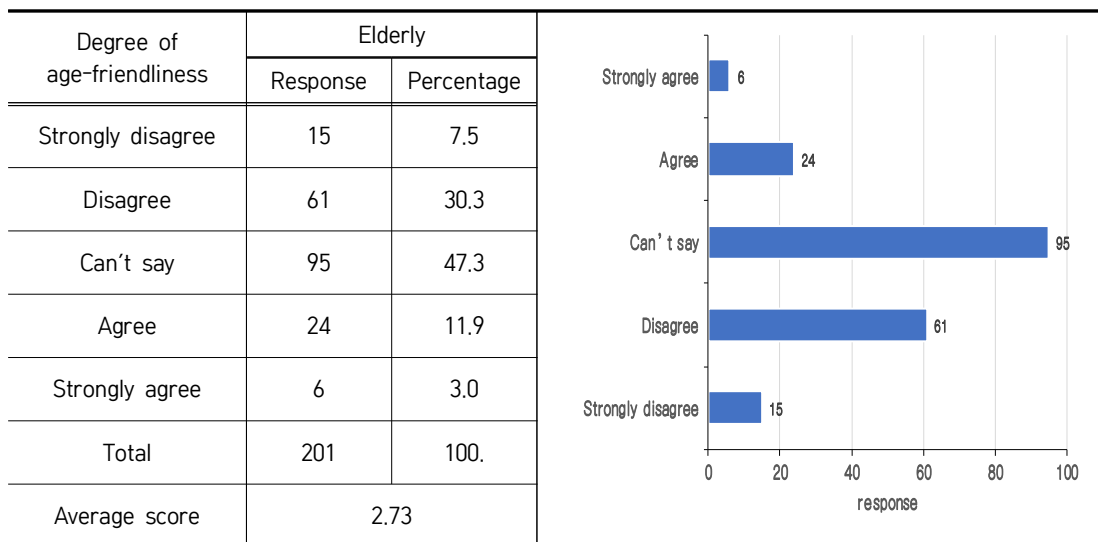
■ Service for senior citizens

□ Public buildings and buildings have information facilities for the elderly.

Average score for the elderly group was 2.60 out of 5.

- Strongly agree (1.5%); Agree (15.4%); Can't say (32.8%); Disagree (41.8%); Strongly disagree (8.5%).

▌[table 21] Public buildings and buildings have information facilities for the elderly.
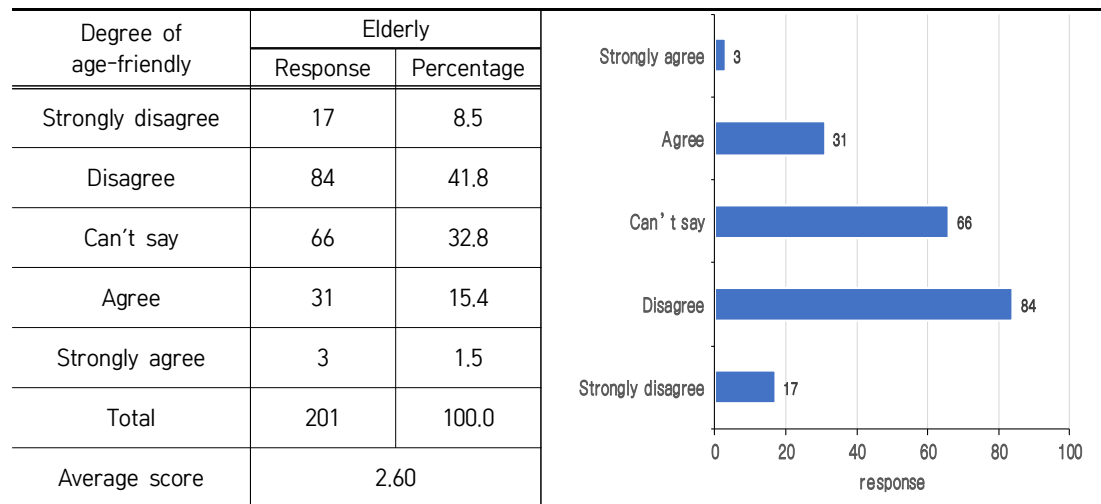
Degree of age-friendly	Elderly	
	Response	Percentage
Strongly disagree	17	8.5
Disagree	84	41.8
Can't say	66	32.8
Agree	31	15.4
Strongly agree	3	1.5
Total	201	100.0
Average score	2.60	

□ There are preferential services such as reception tables for senior citizens in public buildings.

Average score for the elderly group was 2.30 out of 5.

- Strongly agree (2.0%); Agree (6.0%); Can't say (30.3%); Disagree (43.8%); Strongly disagree (17.9%).

▌[table 22] There are preferential services such as reception tables for senior citizens in public buildings.

Degree of age-friendliness	Elderly	
	Response	Percentage
Strongly disagree	36	17.9
Disagree	88	43.8
Can't say	61	30.3
Agree	12	6.0
Strongly agree	4	2.0
Total	201	100.0
Average score	2.30	
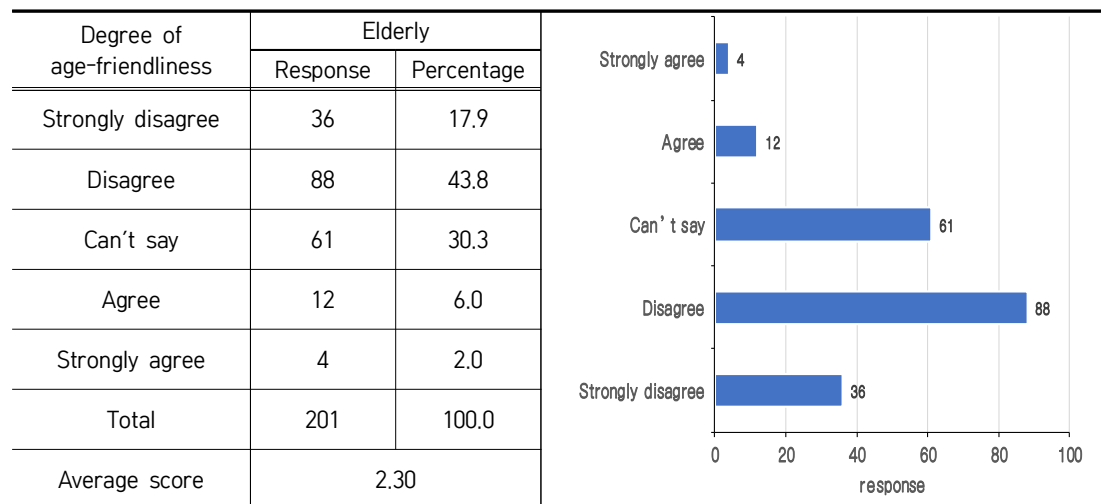
▣ Convenience facilities

□ Convenience facilities such as elevators and a sufficient number of chairs are provided in public buildings.

Average score for the elderly group was 3.04 out of 5.

- Strongly agree (2.5%); Agree (27.9%); Can't say (44.3%); Disagree (21.9%); Strongly disagree (3.5%).

▌ [table 23] Convenience facilities such as elevators and sufficient rest chairs are provided in public buildings.
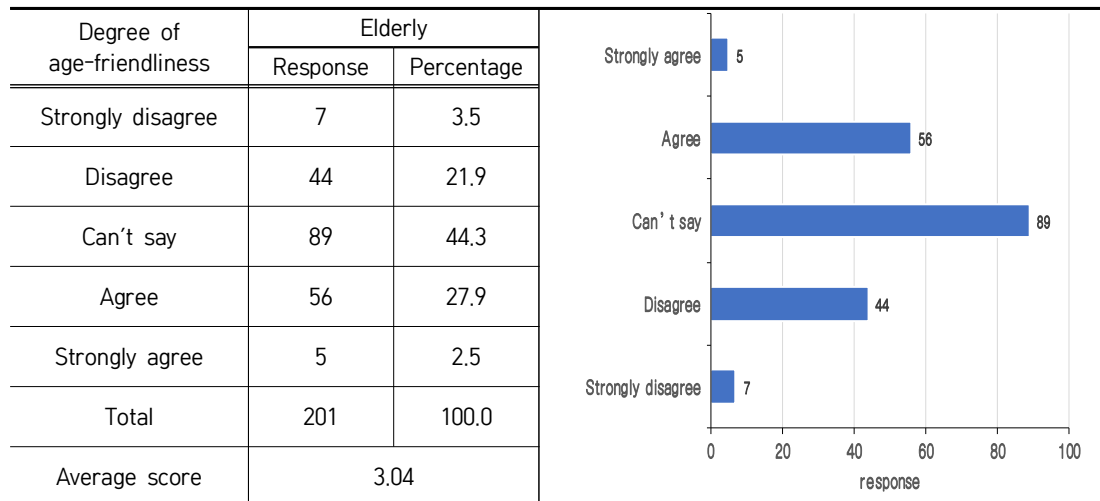
Degree of age-friendliness	Elderly	
	Response	Percentage
Strongly disagree	7	3.5
Disagree	44	21.9
Can't say	89	44.3
Agree	56	27.9
Strongly agree	5	2.5
Total	201	100.0
Average score	3.04	

☐ **The spaces are free to walk or move wheelchairs, and are convenient for elderly people with various physical disabilities.**

Average score for the elderly group was 2.73 out of 5.

- Strongly agree (2.0%); Agree (10.4%), Can't say (47.3%); Disagree (38.8%); Strongly disagree (1.5%).

▌ [table 24] The spaces are free to walk or move wheelchairs, and are convenient for elderly people with various physical disabilities

Degree of age-friendliness	Elderly	
	Response	Percentage
Strongly disagree	3	1.5
Disagree	78	38.8
Can't say	95	47.3
Agree	21	10.4
Strongly agree	4	2.0
Total	201	100.0
Average score	2.73	
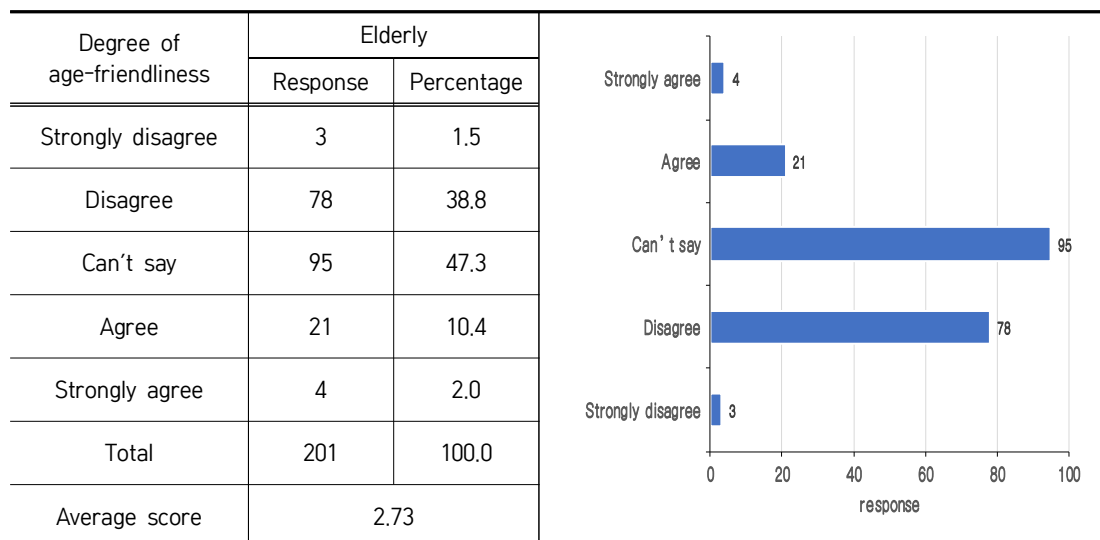
■ **Appropriate public toilets**

☐ Public toilets are clean, and an appropriate number is available.

Average score for the elderly group was 3.30 out of 5.

- Strongly agree (1.0%); Agree (38.3%); Can't say (51.2%); Disagree (8.5%); Strongly disagree (1.0%).

▌[table 25] Public toilets are clean and an appropriate number is available.
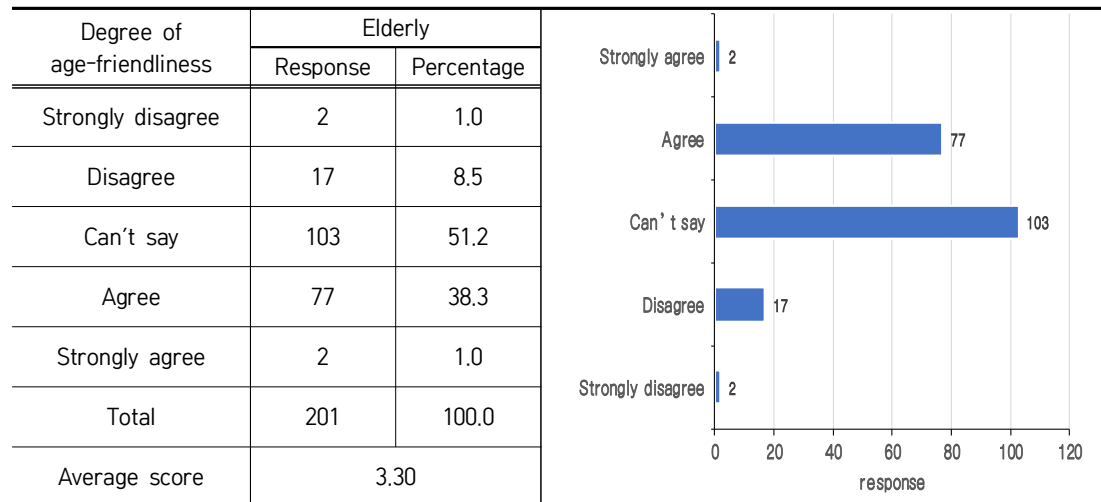
Degree of age-friendliness	Elderly	
	Response	Percentage
Strongly disagree	2	1.0
Disagree	17	8.5
Can't say	103	51.2
Agree	77	38.3
Strongly agree	2	1.0
Total	201	100.0
Average score	3.30	

☐ Public toilets are equipped with safety facilities (safety handles, floor slumps, emergency bells, switches, etc.).

Average score for the elderly group was 2.93 out of 5.

- Strongly agree (0.5%); Agree (15.9%); Can't say (61.7%); Disagree (19.4%); Strongly disagree (2.5%).

▌[table 26] Public toilets are equipped with safety facilities (safety handles, floor slumps, emergency bells, switches, etc.).

Degree of age-friendliness	Elderly	
	Response	Percentage
Strongly disagree	5	2.5
Disagree	39	19.4
Can't say	124	61.7
Agree	32	15.9
Strongly agree	1	0.5
Total	201	100.0
Average score	2.93	

(나) Housing

① Survey contents of housing

The components of housing areas are divided into six categories: appropriateness of housing costs, housing renovation, elderly-friendly housing structure, providing services for housing maintenance, elderly-friendly residential environment, and convenient accessibility. The detailed statements for each factor are as follows:

- Appropriateness of Housing Costs
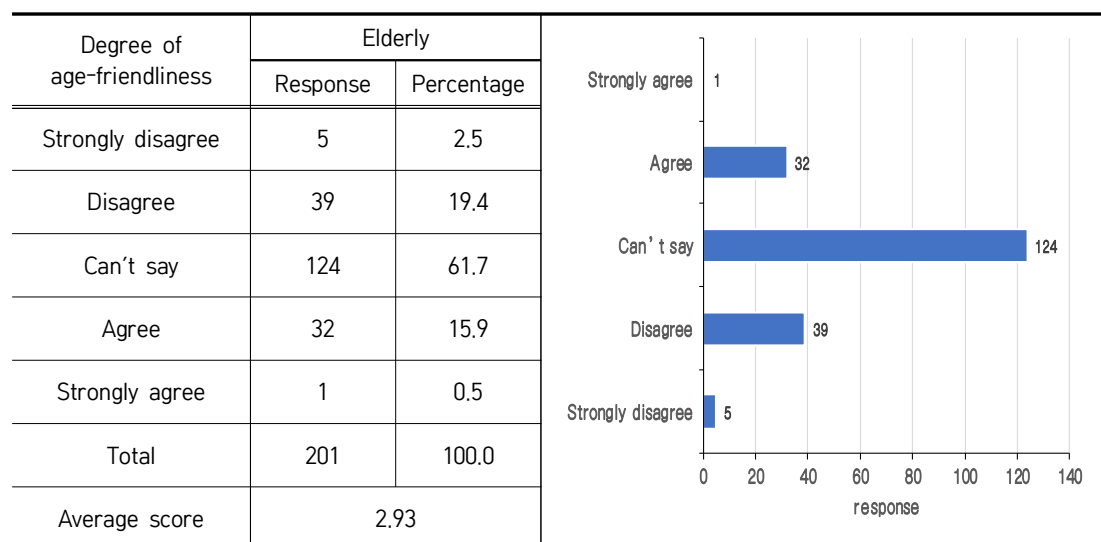 - When moving to another house, it is difficult to find a house suitable for economic capability.
- Housing Renovation
  - Items for renovation can be easily purchased around the house in case of difficulty in moving due to age (Toilet safety bar, anti-slip fixtures, door-slope, and emergency bell installed).
- Elderly-friendly Housing Structure
  - My current home is well equipped with the necessary facilities that support the daily activities of elderly people.
  - The current house is constructed to avoid natural disasters such as fires and earthquakes.
- Providing Services for Housing Maintenance
  - There are services that support home repairs or elderly-friendly changes in the structure of the house.
  - Consultation and support services regarding housing issues are easy to find and appropriate.
- Elderly-friendly Residential Environment
  - Elderly people who are unable to manage their daily lives by themselves and elderly people who live alone can receive 'care for the elderly'.
  - There is adequate supply of 'rental housing for the elderly' and 'group homes for the elderly' for retired people.
- Convenient Accessibility
  - The residential area is convenient to use public transportation.
  - It is convenient to move from the residential area to public institutions, medical institutions and various convenience facilities.

② Survey Results of 'Housing'

■ Appropriateness of Housing Costs

❑ When moving to another house, it is difficult to find a house suitable for economic capability.

Average score for the elderly group was 3.49 out of 5.

- Strongly agree (9.0%); Agree (46.3%); Can't say (30.8%); Disagree (12.9%); Strongly disagree (1.0%).

▌ [table 27] When moving to another house, it is difficult to find a house suitable for economic capability.

Degree of age-friendliness	Elderly	
	Response	Percentage
Strongly disagree	2	1.0
Disagree	26	12.9
Can't say	62	30.8
Agree	93	46.3
Strongly agree	18	9.0
Total	201	100.0
Average score	3.49	

❑ Items for renovation can be easily purchased around the house in case of difficulty in moving due to age (Toilet safety bar, anti-slip, door-slope, and emergency bell installed).

Average score for the elderly group was 2.77 out of 5.

- Strongly agree (0.0%); Agree (14.9%); Can't say (51.7%); Disagree (28.9%); Strongly disagree (4.5%).

▌ [table 28] Items for renovation can be easily purchased around the house in case of difficulty in moving due to age (Toilet safety bar, anti-slip, door-slope, and emergency bell installed).

Degree of age-friendliness	Elderly	
	Response	Percentage
Strongly disagree	9	4.5
Disagree	58	28.9
Can't say	104	51.7
Agree	30	14.9
Strongly agree	0	0.0
Total	201	100.0
Average score	2.77	

■ Elderly-friendly Housing Structure

☐ My current home is well equipped with the necessary facilities that support the daily activities of elderly people.

Average score for the elderly group was 2.93 out of 5.

- Strongly agree (0.5%); Agree (15.9%); Can't say (61.7%); Disagree (19.4%); Strongly disagree (2.5%).

❚ [table 29] My current home is well equipped with the necessary facilities that support the daily activities of elderly people

Degree of age-friendliness	eldery	
	response	percentage
Strongly disagree	14	7.0
Disagree	89	44.3
Can't say	69	34.3
Agree	28	13.9
Strongly agree	1	0.5
Total	201	100.0
Average score	2.57	
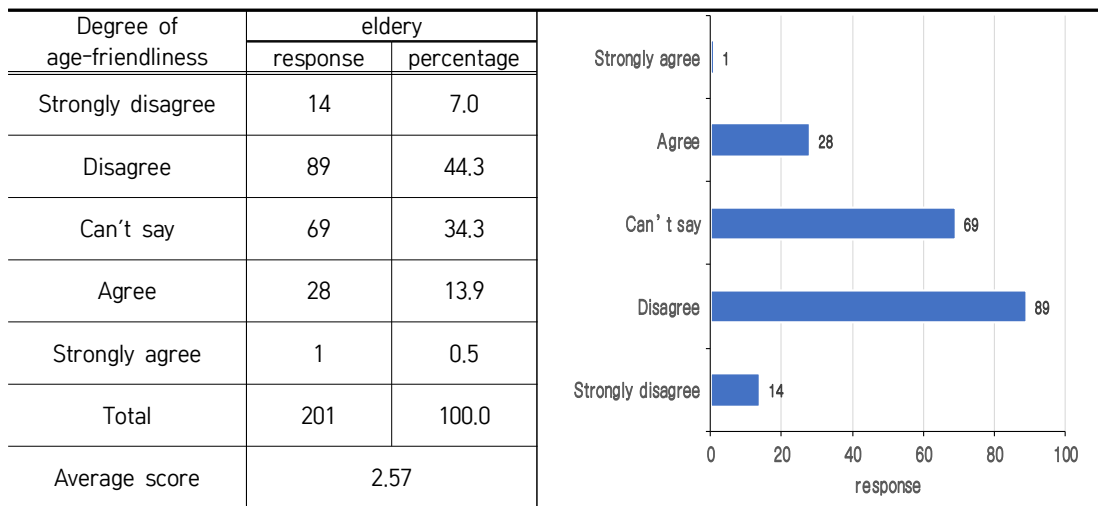
☐ The current house is constructed to avoid natural disasters such as fires and earthquakes.

Average score for the elderly group was 2.43 out of 5.

- Strongly agree (0.0%); Agree (11.4%); Can't say (28.4%), Disagree (52.2%); Strongly disagree (8.0%).

❚ [table 30] The current house is constructed to avoid natural disasters such as fires and earthquakes.

Degree of age-friendliness	Elderly	
	Response	Percentage
Strongly disagree	16	8.0
Disagree	105	52.2
Can't say	57	28.4
Agree	23	11.4
Strongly agree	0	0.0
Total	201	100.0
Average score	2.43	
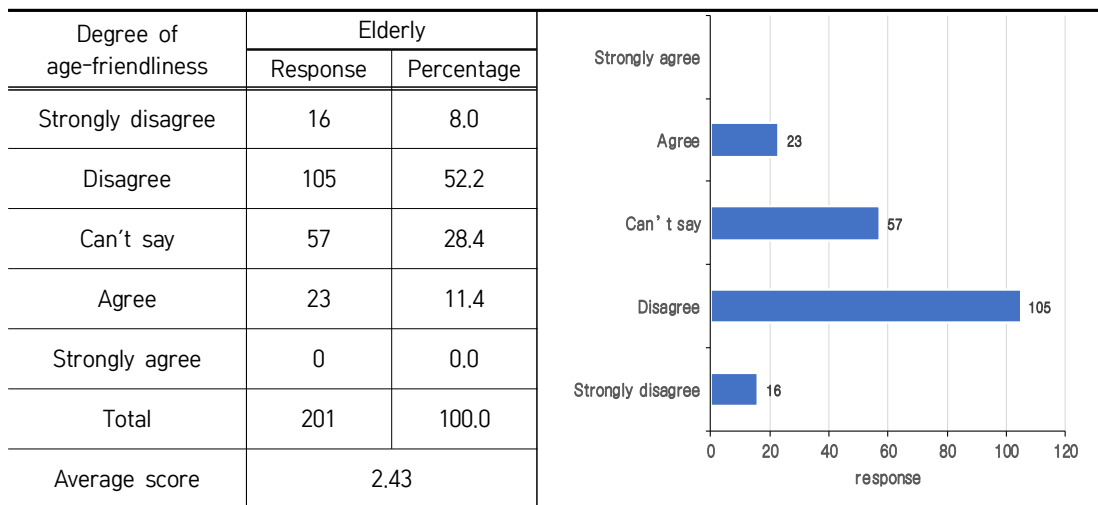
■ Providing Services for Housing Maintenance

□ There are services that support home repairs or elderly-friendly changes in the structure of the house.

Average score for the elderly group was 2.95 out of 5.

- Strongly agree (4.5%); Agree (25.9%); Can't say (32.8%); Disagree (33.3%); Strongly disagree (3.5%).

❚ [table 31] There are services that support home repairs or elderly-friendly changes in the structure of the house.

Degree of age-friendliness	Elderly	
	Response	Percentage
Strongly disagree	7	3.5
Disagree	67	33.3
Can't say	66	32.8
Agree	52	25.9
Strongly agree	9	4.5
Total	201	100.0
Average score	2.95	
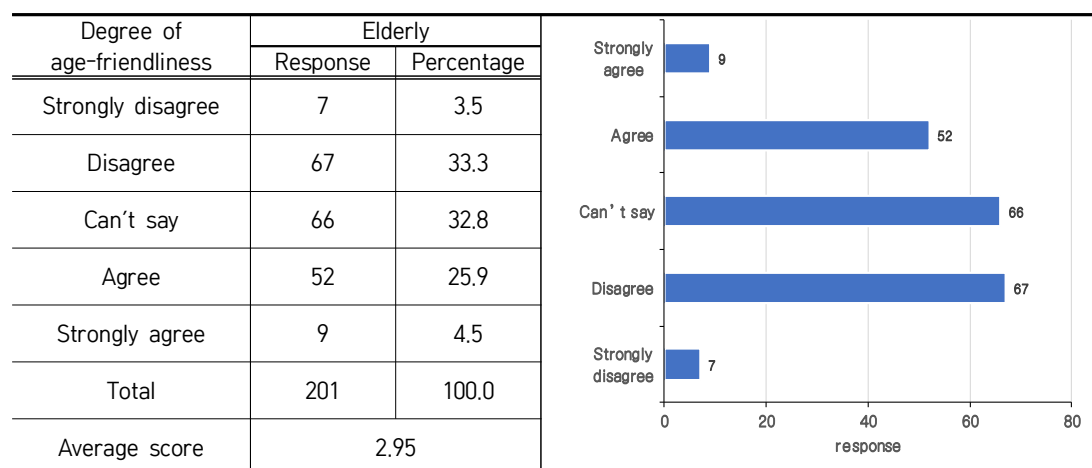
□ Consultation and support services regarding housing issues are easy to find and appropriate.

Average score for the elderly group was 2.88 out of 5.

- Strongly agree (2.0%); Agree (16.9%), Can't say (51.2%); Disagree (26.4%); Strongly disagree (3.5%).

Degree of age-friendliness	Elderly	
	Response	Percentage
Strongly disagree	7	3.5
Disagree	53	26.4
Can't say	103	51.2
Agree	34	16.9
Strongly agree	4	2.0
Total	201	100.0
Average score	2.88	
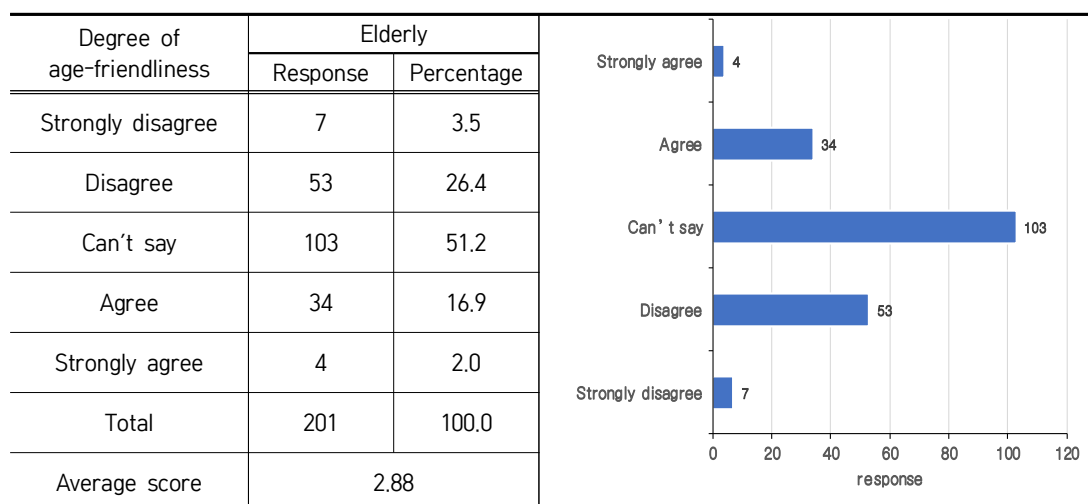
■ Elderly-friendly Residential Environment

□ Elderly people who are unable to manage their daily lives by themselves and elderly people who live alone can receive 'care for the elderly.'

Average score for the elderly group was 3.66 out of 5.

- Strongly agree (10.0%); Agree (54.2%); Can't say (27.9%); Disagree (7.5%); Strongly disagree (0.5%).

▌[table 33] Elderly people who are unable to manage their daily lives by themselves and elderly people who live alone can receive 'care for the elderly'.

Degree of age-friendliness	Elderly	
	Response	Percentage
Strongly disagree	1	0.5
Disagree	15	7.5
Can't say	56	27.9
Agree	109	54.2
Strongly agree	20	10.0
Total	201	100.0
Average score	3.66	
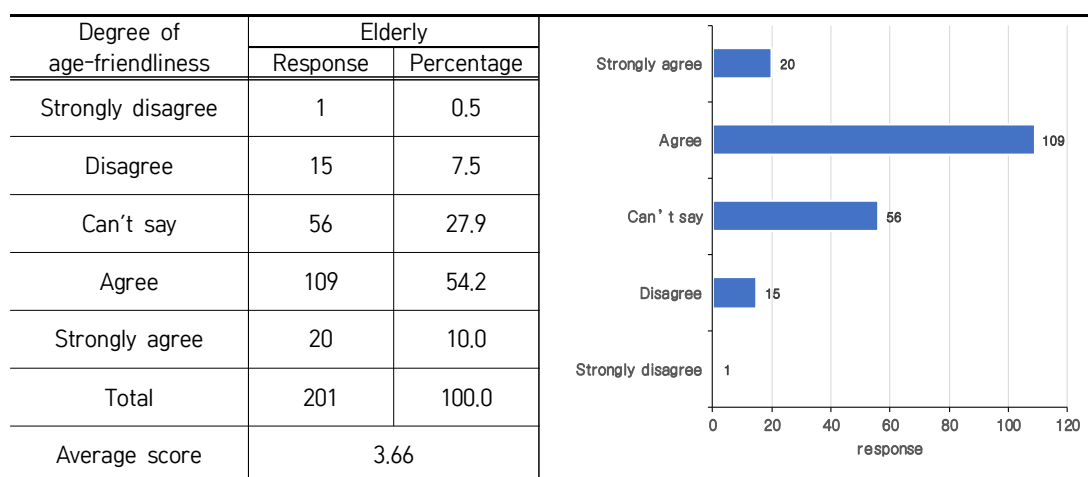
□ There is adequate supply of 'rental housing for the elderly' and 'group homes for the elderly' for retired people.

Average score for the elderly group was 2.93 out of 5.

- Strongly agree (0.5%); Agree (15.9%); Can't say (61.7%); Disagree (19.4%); Strongly

disagree (2.5%).

▌ [table 34] There is adequate supply of 'rental housing for the elderly' and 'group homes for the elderly' for retired people.

Degree of age-friendliness	Elderly	
	Response	Percentage
Strongly disagree	2	1.0
Disagree	64	31.8
Can't say	97	48.3
Agree	36	17.9
Strongly agree	2	1.0
Total	201	100.0
Average score	2.86	
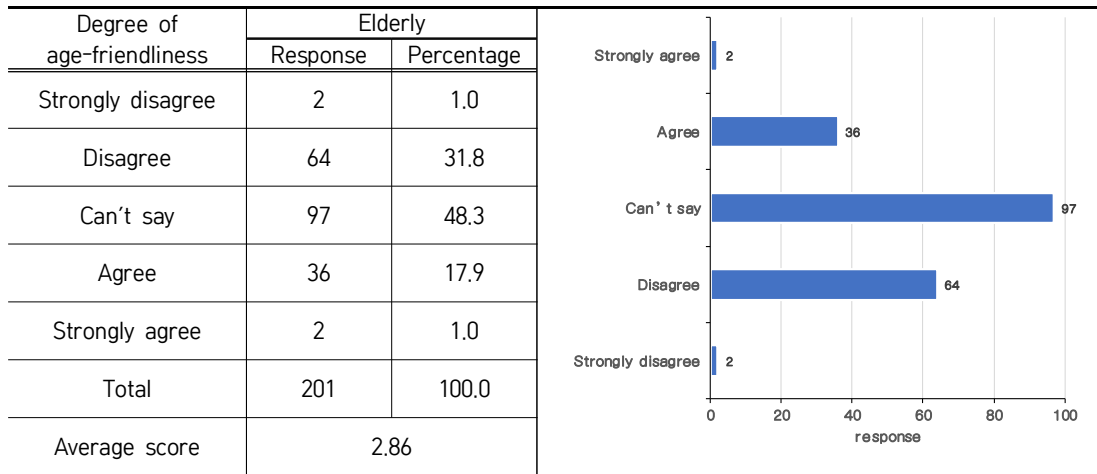
■ Convenient Accessibility

☐ The residential area is convenient to use public transportation.

Average score for the elderly group was 3.2 out of 5.

- Strongly agree (1.0%); Agree (36.8%); Can't say (45.8%); Disagree (13.9%); Strongly disagree (2.5%).

▌ [table 35] The residential area is convenient to use public transportation.
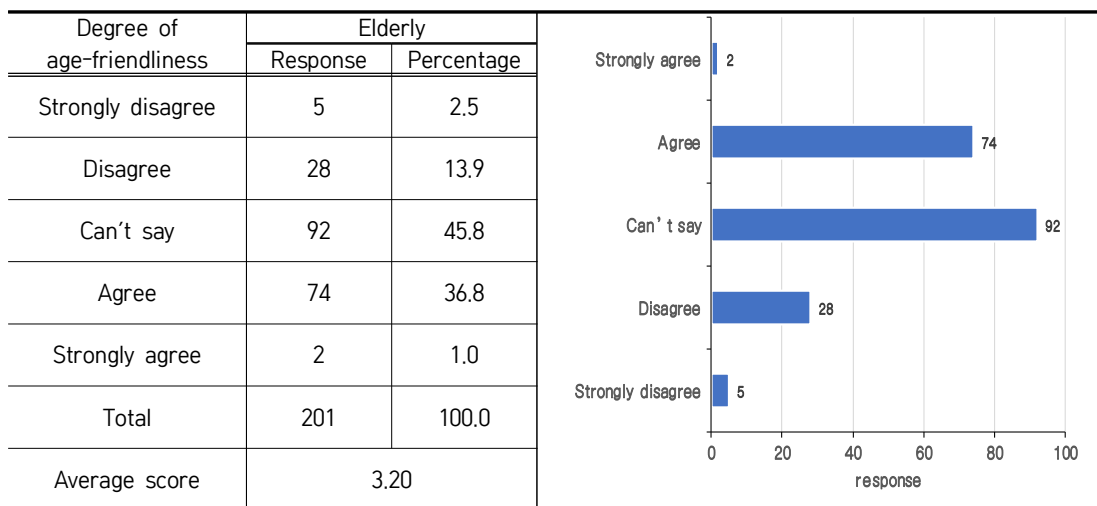
Degree of age-friendliness	Elderly	
	Response	Percentage
Strongly disagree	5	2.5
Disagree	28	13.9
Can't say	92	45.8
Agree	74	36.8
Strongly agree	2	1.0
Total	201	100.0
Average score	3.20	

☐ It is convenient to move from the residential area to public institutions, medical institutions and various convenience facilities.

Average score for the elderly group was 2.92 out of 5.

- Strongly agree (0.5%); Agree (27.9%); Can't say (40.8%); Disagree (24.4%); Strongly disagree (6.5%).

▌[table 36] It is convenient to move from the residential area to public institutions, medical institutions and various convenience facilities.

Degree of age-friendliness	Elderly	
	Response	Percentage
Strongly disagree	13	6.5
Disagree	49	24.4
Can't say	82	40.8
Agree	56	27.9
Strongly agree	1	0.5
Total	201	100.0
Average score	2.92	

(다) Transportation

① Survey contents of outdoor space and buildings

The elements of the transportation area are divided into four categories: convenience of using public transportation, elderly-friendly transportation, preferential treatment for senior citizens in public transportation, and vehicles driven by the elderly. The 11 questions are as follows:
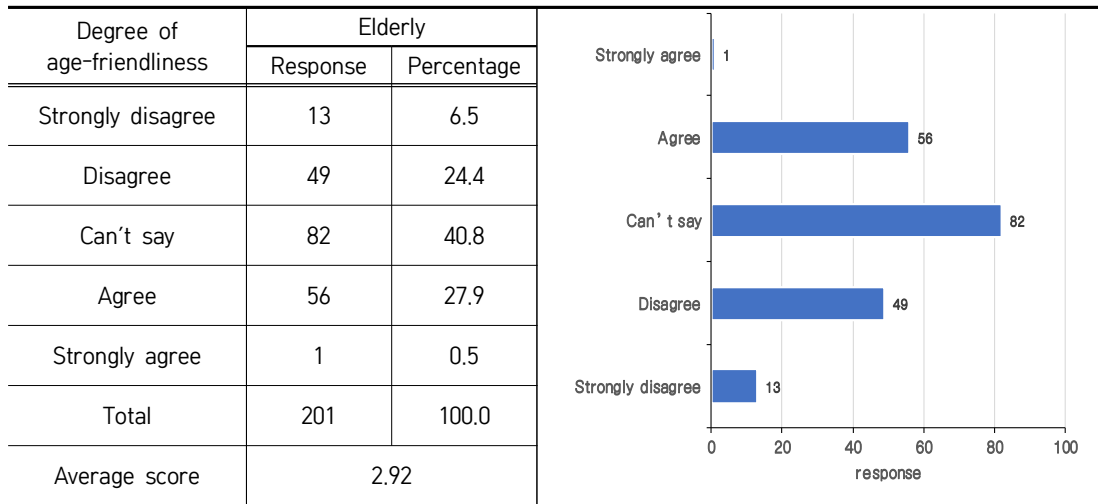
- Convenience of Using Public Transportation
  - The interval between public transportation (bus) is constant and appropriate.
  - Walking time to the bus stop is appropriate.
  - The public transportation charges are satisfactory.
  - When using public transportation, the driver is kind to the elderly.
  - The route layout and timetable of public transportation are large and accurate, making it easy to recognize.
- Elderly-friendly Transportation
  - Low-floor buses (low entrance height and wide interior) are operated for the elderly with disabilities.
  - Free shuttle or volunteer vehicles are available in places where public transportation is not available.
- Preferential Treatment of the Elderly in Public Transportation
  - There are plenty of seats available for the elderly in public transportation.
  - Bus drivers consider the safety of the elderly when starting and stopping the bus, and when elderly persons are getting on and off the bus.
- Vehicles driven by the Elderly
  - Preferential parking areas for the elderly are sufficiently secured.
  - There are stickers or signboards to notify the elderly persons driving vehicles..

② Survey Results for 'Transportation'

Convenience of Using Public Transportation

☐ The interval between public transportation (bus) is constant and appropriate.

Average score for the elderly group was 3.05 out of 5.

- Strongly agree (0.0%); Agree (28.4%); Can't say (50.7%); Disagree (18.4%); Strongly disagree (2.5%).

▌ [table 37] The interval between public transportation (bus) is constant and appropriate.

Degree of age-friendliness	Elderly	
	Response	Percentage
Strongly disagree	5	2.5
Disagree	37	18.4
Can't say	102	50.7
Agree	57	28.4
Strongly agree	0	0.0
Total	201	100.0
Average score	3.05	
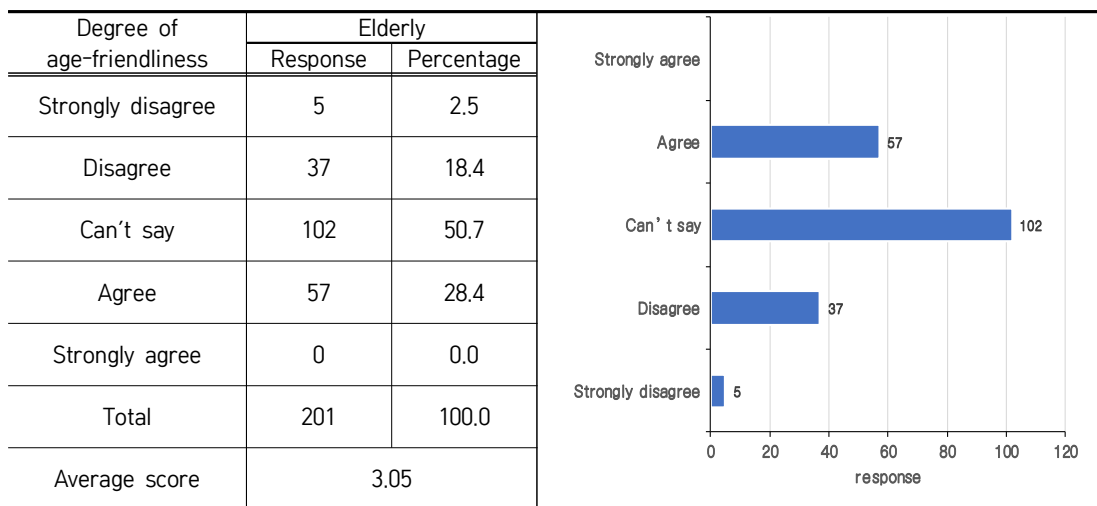
☐ Walking time to the bus stop is appropriate.

Average score for the elderly group was 2.99 out of 5.

- Strongly agree (0.0%); Agree (33.3%); Can't say (38.3%); Disagree (22.4%); Strongly disagree (6.0%).

▌ [table 38] Walking time to the bus stop is appropriate.

Degree of age-friendliness	Elderly	
	Response	Percentage
Strongly disagree	12	6.0
Disagree	45	22.4
Can't say	77	38.3
Agree	67	33.3
Strongly agree	0	0.0
Total	201	100.0
Average score	2.99	
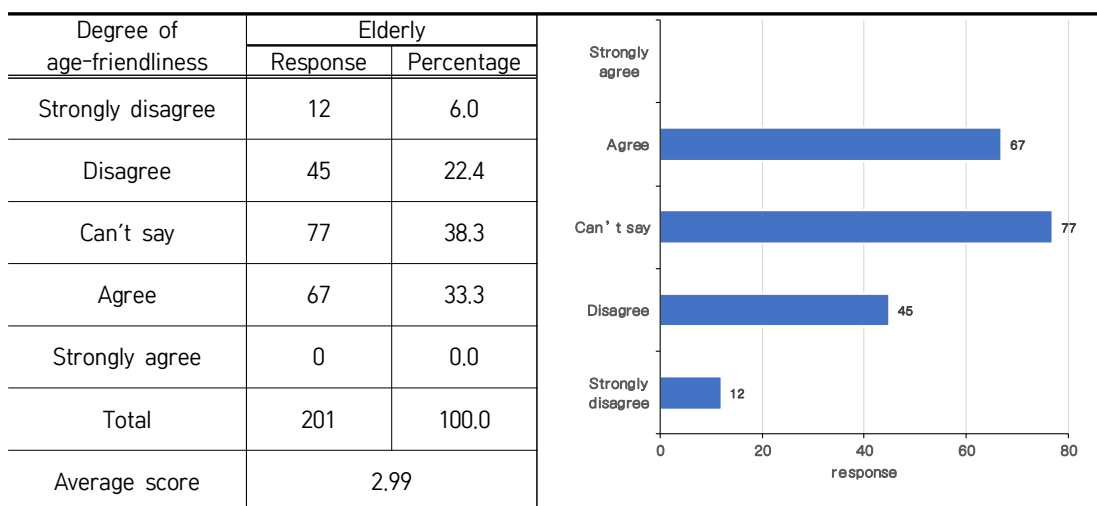
☐ The public transportation charges are satisfactory.

Average score for the elderly group was 3.53 out of 5.

- Strongly agree (8.0%); Agree (45.8%); Can't say (39.3%); Disagree (5.5%); Strongly disagree (1.5%).

▌ [table 39] The public transportation charges are satisfactory.

Degree of age-friendliness	Elderly	
	Response	Percentage
Strongly disagree	3	1.5
Disagree	11	5.5
Can't say	79	39.3
Agree	92	45.8
Strongly agree	16	8.0
Total	201	100.0
Average score	3.53	
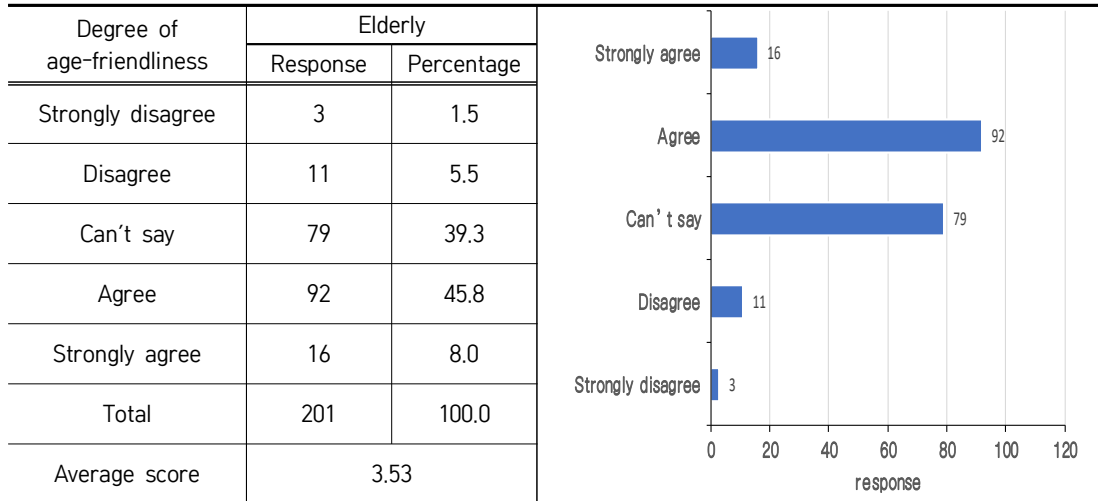
☐ When using public transportation, the driver is kind to the elderly.

Average score for the elderly group was 3.39 of 5.

- Strongly agree (1.5%); Agree (49.3%); Can't say (38.3%); Disagree (8.5%); Strongly disagree (2.5%).

▌ [table 40] When using public transportation, the driver is kind to the elderly.
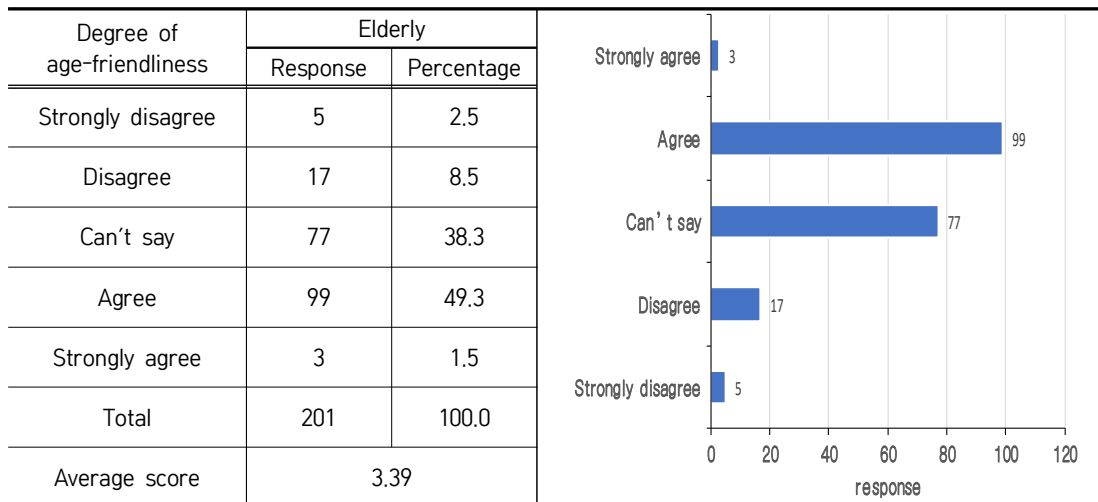
Degree of age-friendliness	Elderly	
	Response	Percentage
Strongly disagree	5	2.5
Disagree	17	8.5
Can't say	77	38.3
Agree	99	49.3
Strongly agree	3	1.5
Total	201	100.0
Average score	3.39	

□ The route layout and timetable for public transportation are large and accurate, making it easy to recognize.

Average score for the elderly group was 3.16 out of 5.

- Strongly agree (1.5%); Agree (28.9%); Can't say (54.7%); Disagree (13.9%); Strongly disagree (1.0%).

▌ [table 41] The route layout and timetable for public transportation are large and accurate, making it easy to recognize.

Degree of age-friendliness	Elderly	
	Response	Percentage
Strongly disagree	2	1.0
Disagree	28	13.9
Can't say	110	54.7
Agree	58	28.9
Strongly agree	3	1.5
Total	201	100.0
Average score	3.16	

■ Elderly-friendly Transportation

□ Low-floor buses (low entrance height and wide interior) are operated for the elderly with disabilities.

Average score for the elderly group was 2.09 out of 5.

- Strongly agree (0.0%); Agree (4.5%); Can't say (18.9%); Disagree (57.7%); Strongly disagree (18.9%).

▌ [table 42] Low-floor buses (low entrance height and wide interior) are operated for the elderly with disabilities.

Degree of age-friendliness	Elderly	
	Response	Percentage
Strongly disagree	38	18.9
Disagree	116	57.7
Can't say	38	18.9
Agree	9	4.5
Strongly agree	0	0.0
Total	201	100.0
Average score	2.09	
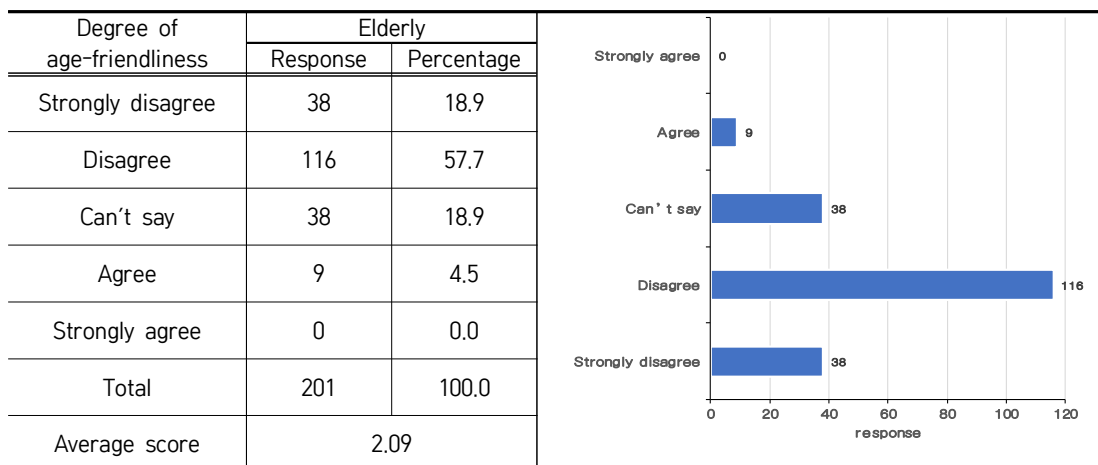
□ Free shuttle or volunteer vehicles are available in places where public transportation is not available.
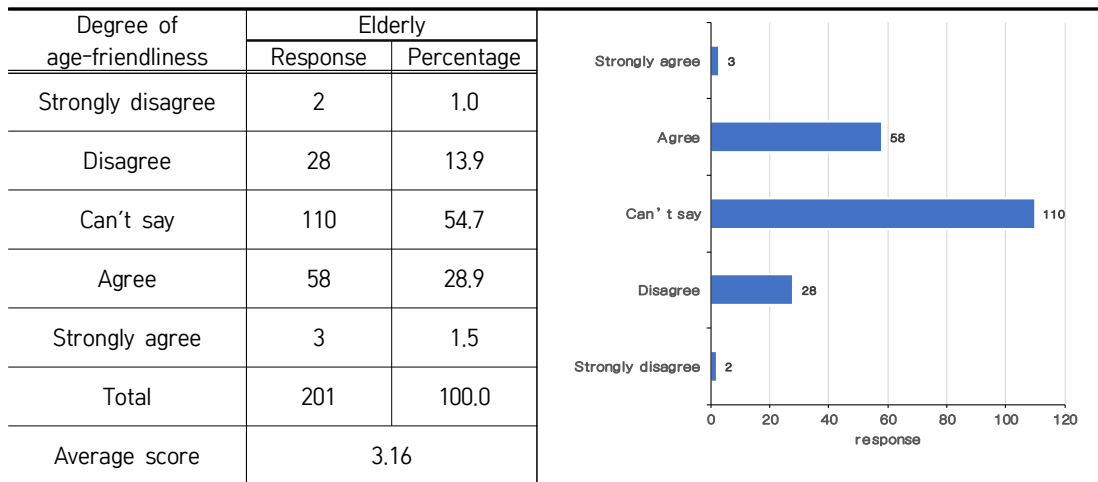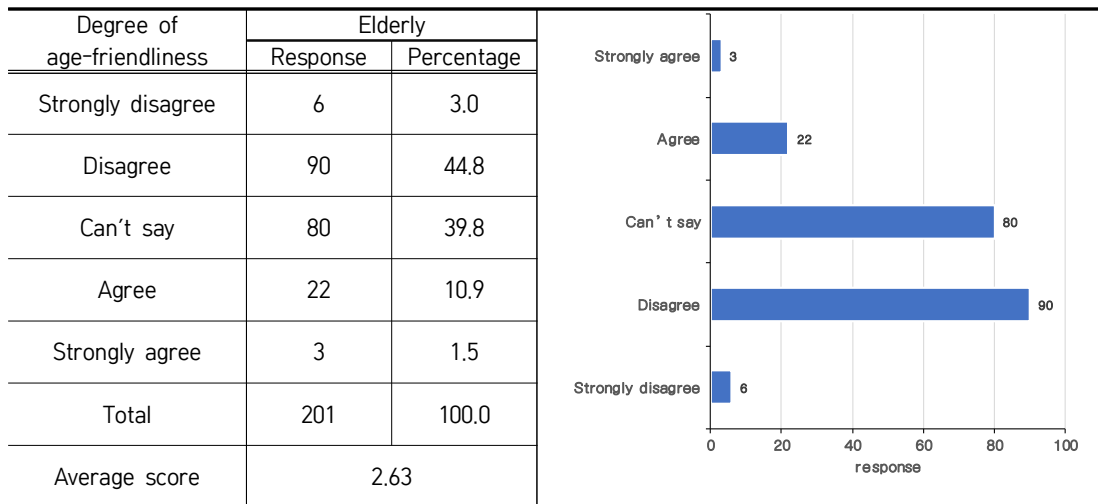
Average score for the elderly group was 2.63 out of 5.

- Strongly agree (1.5%); Agree (10.9%); Can't say (39.8%); Disagree (44.8%); Strongly disagree (3.0%).

▌ [table 43] Free shuttles or volunteer vehicles are available in places where public transportation is difficult.

Degree of age-friendliness	Elderly	
	Response	Percentage
Strongly disagree	6	3.0
Disagree	90	44.8
Can't say	80	39.8
Agree	22	10.9
Strongly agree	3	1.5
Total	201	100.0
Average score	2.63	

■ Preferential Treatment of Senior Citizens in Public Transportation

`` There are plenty of seats available for the elderly in public transportation.

Average score for the elderly group was 2.82 out of 5.

- Strongly agree (1.0%); Agree (14.9%); Can't say (51.2%); Disagree (30.8%); Strongly disagree (2.0%).

▌ [table 44] There are plenty of seats available for the elderly in public transportation.
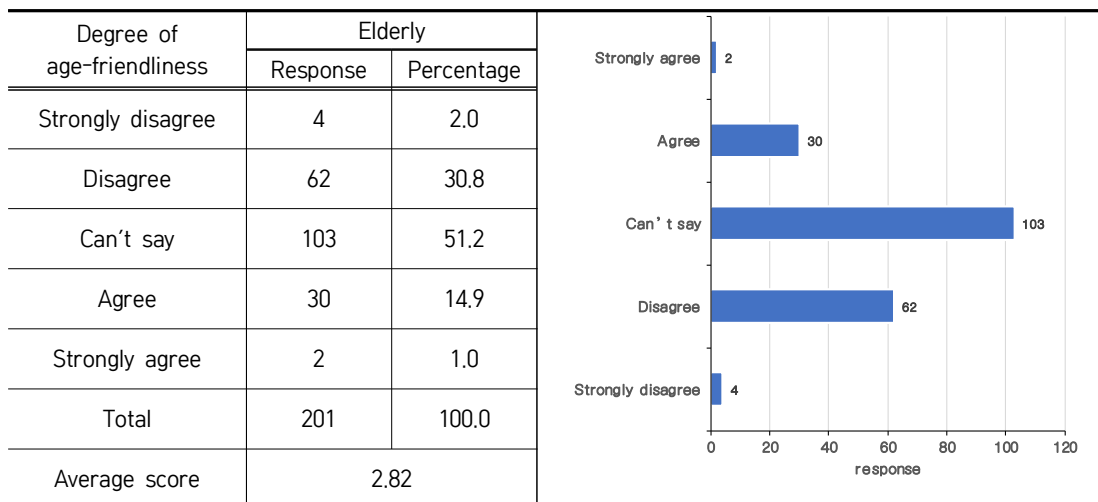
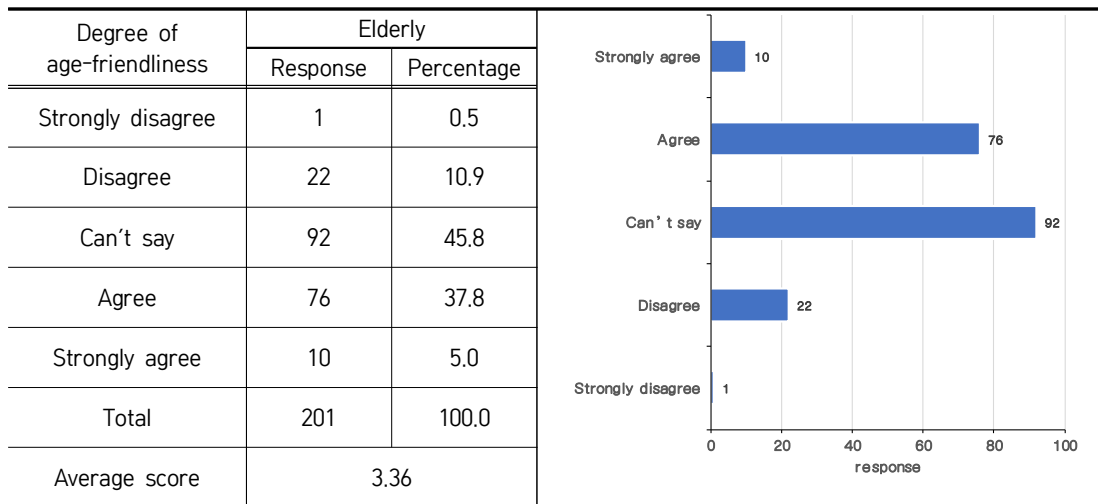| Degree of age-friendliness	Elderly	
	Response	Percentage
Strongly disagree	4	2.0
Disagree	62	30.8
Can't say	103	51.2
Agree	30	14.9
Strongly agree	2	1.0
Total	201	100.0
Average score	2.82	

☐ **Bus drivers consider the safety of the elderly when starting or stopping, and when elderly persons are getting on and off the bus.**

Average score for the elderly group was 3.36 out of 5.

  - Strongly agree (5.0%); Agree (37.8%); Can't say (45.8%); Disagree (10.9%); Strongly disagree (0.5%).

▌ [table 45] Bus drivers consider the safety of the elderly when starting or stopping, and when elderly persons are getting on and off the bus.

Degree of age-friendliness	Elderly	
	Response	Percentage
Strongly disagree	1	0.5
Disagree	22	10.9
Can't say	92	45.8
Agree	76	37.8
Strongly agree	10	5.0
Total	201	100.0
Average score	3.36	

■ **Elderly Driving Vehicles**

☐ **Preferential parking areas for the elderly are sufficiently secured.**

Average score for the elderly group was 2.18 out of 5.

  - Strongly agree (0.5%); Agree (3.5%); Can't say (31.8%); Disagree (42.3%); Strongly disagree (21.9%).

▌ [table 46] Preferential parking areas for the elderly are sufficiently secured.

Degree of age-friendliness	Elderly	
	Response	Percentage
Strongly disagree	44	21.9
Disagree	85	42.3
Can't say	64	31.8
Agree	7	3.5
Strongly agree	1	0.5
Total	201	100.0
Average score	2.18	
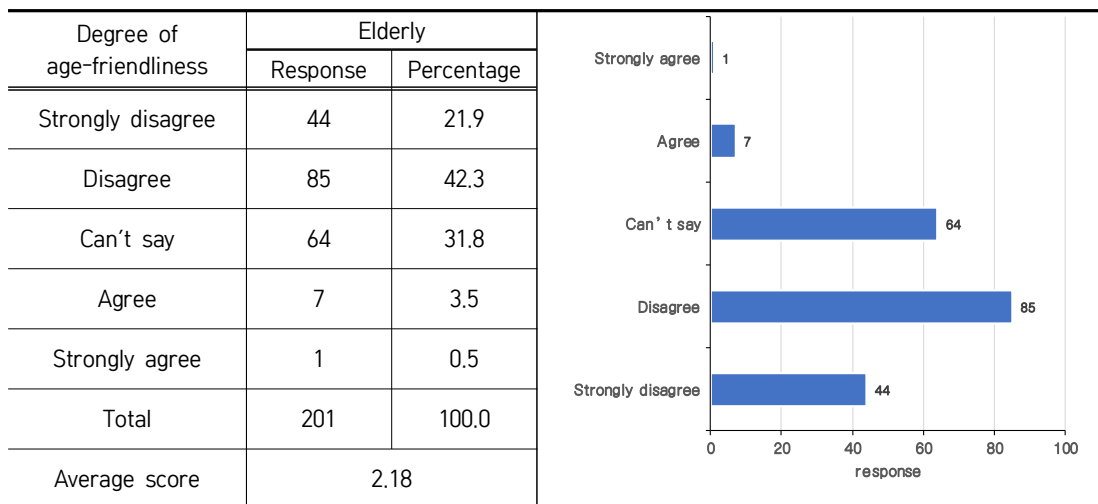
□ There are stickers or signboards to notify the elderly who are driving their vehicles.

Average score for the elderly group was 3.00 out of 5.

- Strongly agree (3.0%); Agree (24.9%): Can't say (42.8%); Disagree (27.4%); Strongly disagree (2.0%).

▌ [table 47] There are stickers or signboards to notify the elderly who are driving their vehicles.

Degree of age-friendliness	Elderly	
	Response	Percentage
Strongly disagree	4	2.0
Disagree	55	27.4
Can't say	86	42.8
Agree	50	24.9
Strongly agree	6	3.0
Total	201	100.0
Average score	3.00	
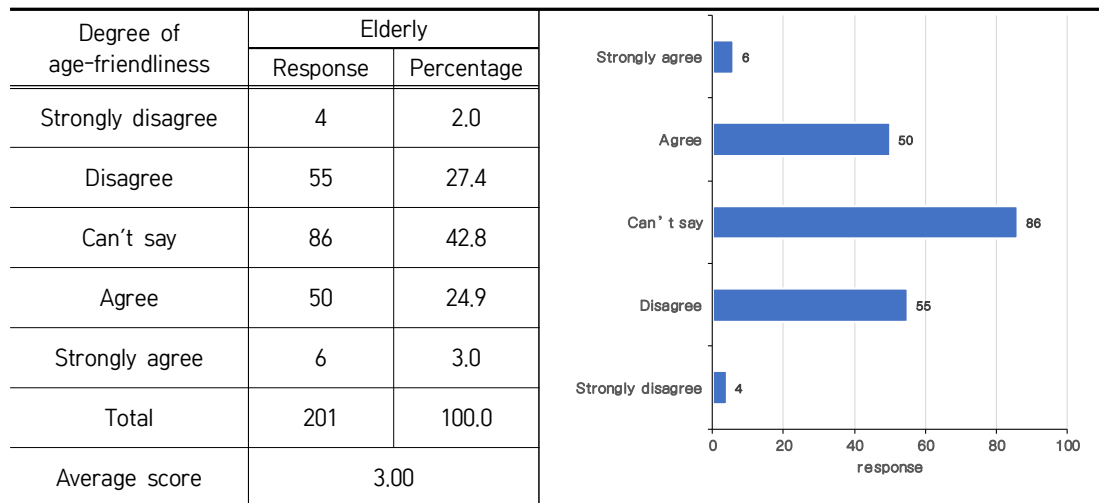
(라) Social Parcitipation

① Survey contents of social parcitipation

In the field of social participation, four elements are diagnosed in total, including expanding opportunities for social participation, providing information regarding social participation, ease of access to social activities, and mingling of various generations in the community.

- Expanding Opportunities for Social Participation
  - Various social activities (religion, culture, hobbies, leisure, volunteer activities, etc.) are prepared considering the interests of the elderly.
  - Social activities are held in various spaces, (welfare centers, schools, libraries, lifelong education centers, parks, etc.) making it easy for the elderly to participate.
- Providing Information Regarding Social Participation
  - The competent public office provides information related to community activities, education, etc. in a systematic manner.
  - The method and procedure of participating in social activities are easy and convenient for the elderly.
- Ease of Access to Social Activities
  - Social activities are held in places where the elderly can easily visit.
  - Sufficient traffic information is provided for the elderly to visit places of social activities.
- Mingling of Various Generations in the Community
  - The community frequently organizes events that promote harmony between the younger generation and the older generation.
  - Spaces such as meeting places and facilities are provided to resolve conflicts between generations.

② Survey Results for 'Social Participation'

■ Expanding Opportunities for Social Participation

☐ Various social activities (religion, culture, hobbies, leisure, volunteer activities, etc.) are prepared considering the interests of the elderly.

Average score for the elderly group was 2.96 out of 5.

- Strongly agree (0.5%); Agree (23.4%); Can't say (49.3%); Disagree (25.4%); Strongly disagree (1.5%).

▌ [table 48]] Various social activities (religion, culture, hobbies, leisure, volunteer activities, etc.) are prepared considering the interests of the elderly.

Degree of age-friendliness	Elderly	
	Response	Percentage
Strongly disagree	3	1.5
Disagree	51	25.4
Can't say	99	49.3
Agree	47	23.4
Strongly agree	1	0.5
Total	201	100.0
Average score	2.96	
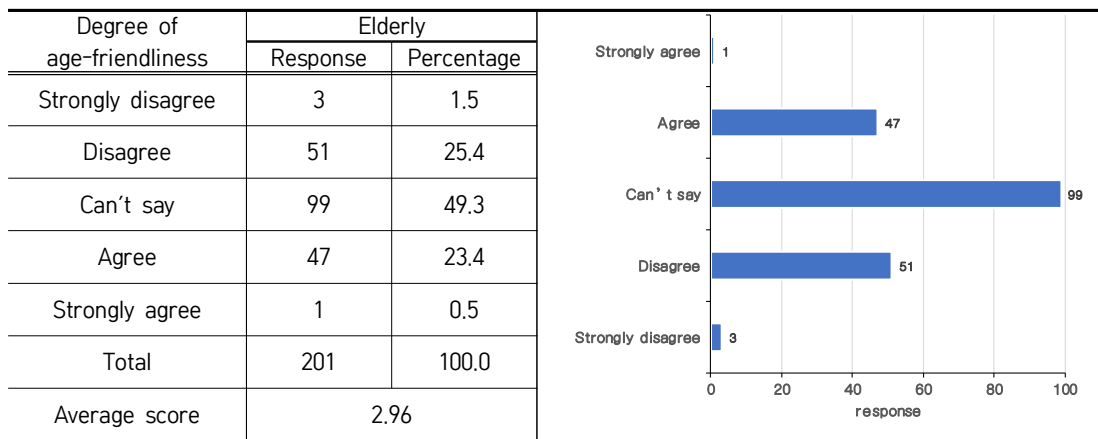
☐ Social activities are held in various spaces (welfare centers, schools, libraries, lifelong education centers, parks, etc.), making it easy for the elderly to participate.

Average score for the elderly group was 3.03 out of 5.

- Strongly agree (2.0%); Agree (22.4%); Can't say (53.7%); Disagree (20.4%); Strongly disagree (1.5%).

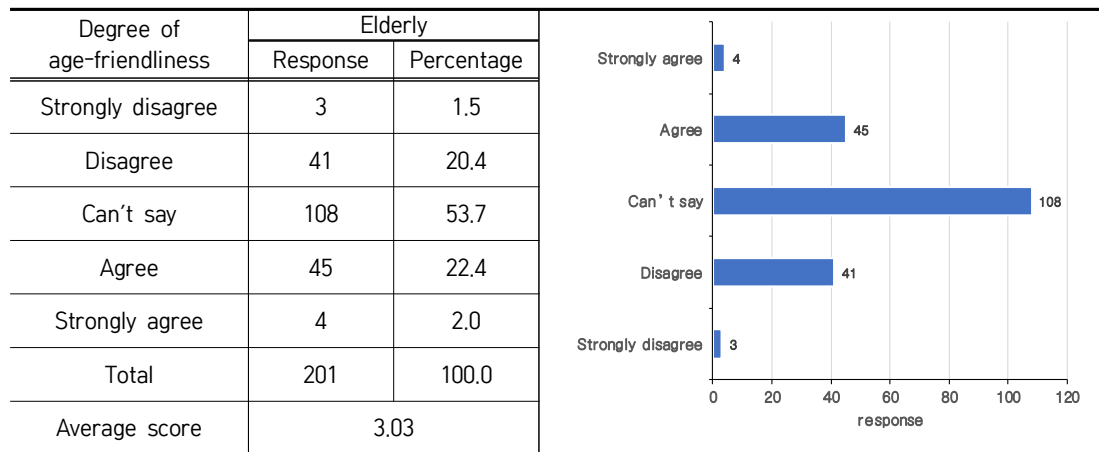▌ [table 49] Social activities for elderly to participate in are held in various spaces (welfare centers, schools, libraries, lifelong education centers, parks, etc.).

Degree of age-friendliness	Elderly	
	Response	Percentage
Strongly disagree	3	1.5
Disagree	41	20.4
Can't say	108	53.7
Agree	45	22.4
Strongly agree	4	2.0
Total	201	100.0
Average score	3.03	

▉ Providing Information on Social Participation

❑ The competent public office systematically provides information related to community activities, education, etc.

Average score for the elderly group was 2.99 out of 5.

- Strongly agree (1.5%); Agree (24.9%); Can't say (46.3%); Disagree (25.9%); Strongly disagree (1.5%).

▌ [table 50] The competent public office systematically provides information related to community activities, education, etc.

Degree of age-friendliness	Elderly	
	Response	Percentage
Strongly disagree	3	1.5
Disagree	52	25.9
Can't say	93	46.3
Agree	50	24.9
Strongly agree	3	1.5
Total	201	100.0
Average score	2.99	
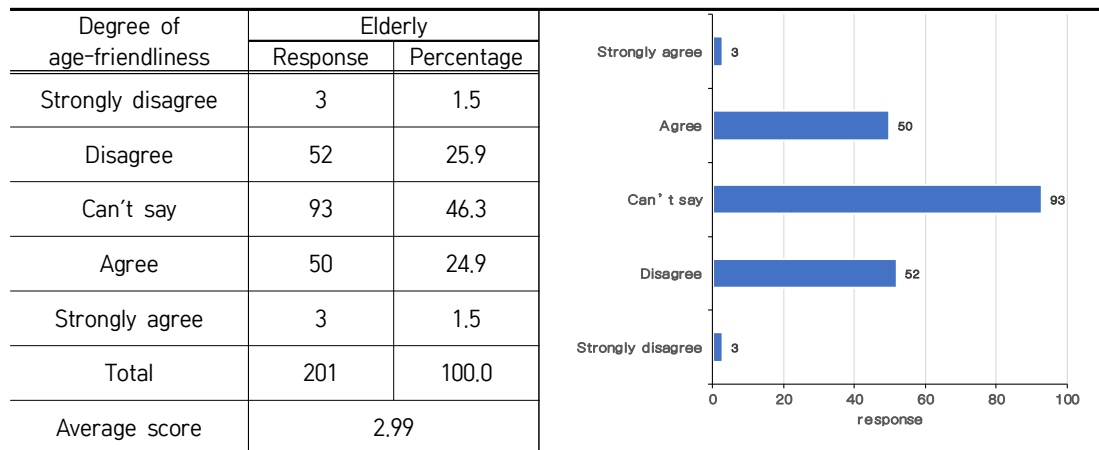
❑ The method and procedure for participating in social activities are easy and convenient for the elderly.

Average score for the elderly group was 2.66 out of 5.

- Strongly agree (1.0%); Agree (14.4%); Can't say (38.7%); Disagree (41.8%); Strongly disagree (4.5%).

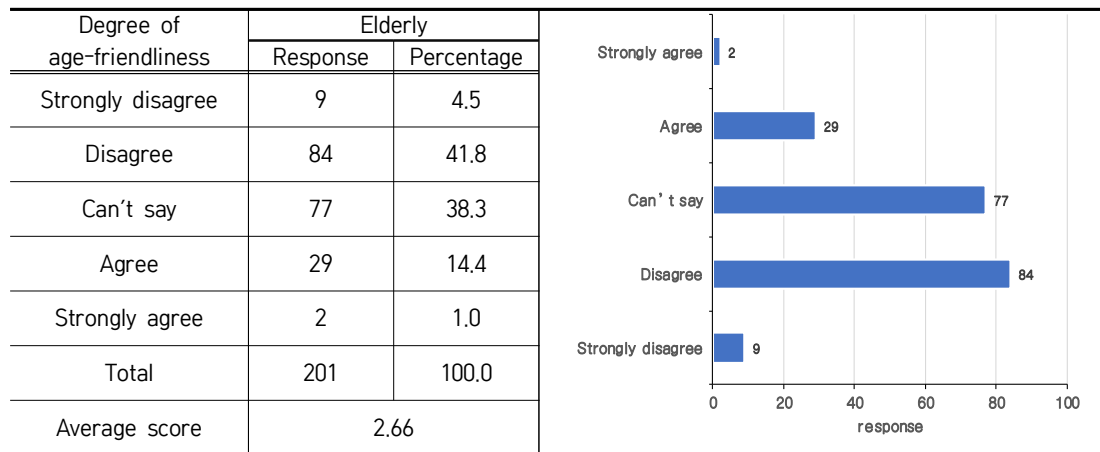| Degree of age-friendliness	Elderly	
	Response	Percentage
Strongly disagree	9	4.5
Disagree	84	41.8
Can't say	77	38.3
Agree	29	14.4
Strongly agree	2	1.0
Total	201	100.0
Average score	2.66	

▦ Ease of Access to Social Activities

▢ Social activities are held in places where the elderly can easily visit.

Average score for the elderly group was 2.60 out of 5.

- Strongly agree (1.0%); Agree (10.9%); Can't say (39.8%); Disagree (43.8%); Strongly disagree (4.5%).

▌ [table 52] Social activities are held in places where the elderly can easily visit.
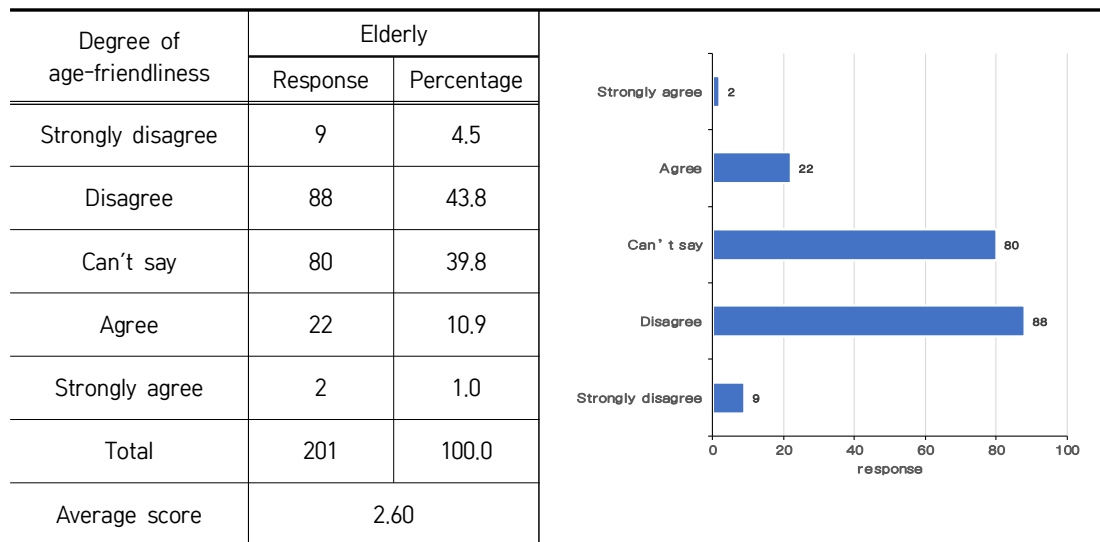
Degree of age-friendliness	Elderly	
	Response	Percentage
Strongly disagree	9	4.5
Disagree	88	43.8
Can't say	80	39.8
Agree	22	10.9
Strongly agree	2	1.0
Total	201	100.0
Average score	2.60	

▢ Sufficient traffic information is provided for the elderly to visit places of social activities.

Average score for the elderly group was 2.71 out of 5.

- Strongly agree (1.0%); Agree (10.0%); Can't say (50.2%); Disagree (36.3%); Strongly disagree (2.5%).

▌[table 53] There is ample traffic information that can be found by seniors at the place of activity.

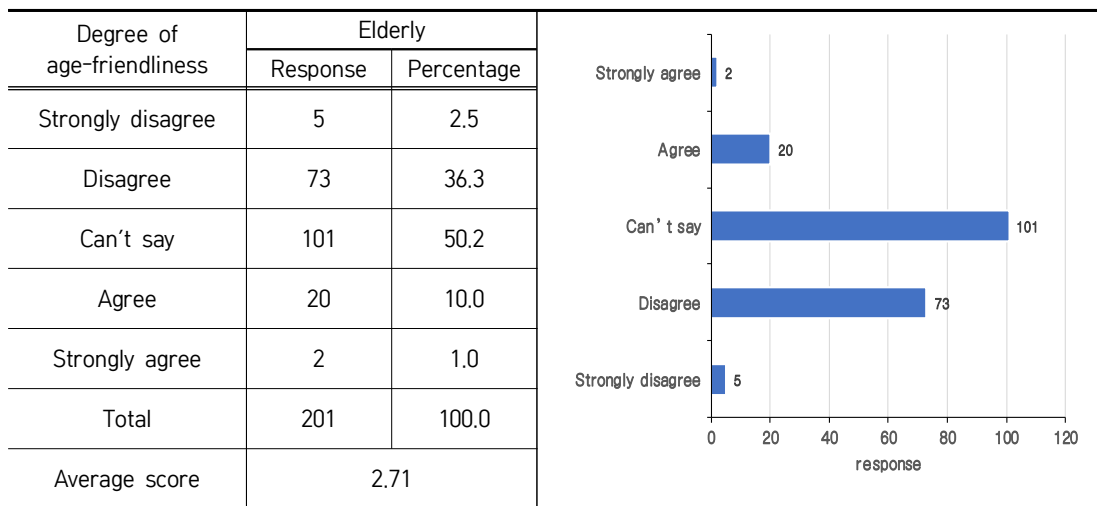| Degree of age-friendliness	Elderly	
	Response	Percentage
Strongly disagree	5	2.5
Disagree	73	36.3
Can't say	101	50.2
Agree	20	10.0
Strongly agree	2	1.0
Total	201	100.0
Average score	2.71	

■ Mingling of Various Generations in the Community

□ The community frequently organizes events for harmony between the younger generation and the older generation.

Average score for the elderly group was 2.28 out of 5.

- Strongly agree (1.0%); Agree (5.5%); Can't say (24.4%); Disagree (59.2%); Strongly disagree (10.0%).

▌[table 54] The community frequently organizes events for harmony between the younger generation and the older generation.

Degree of age-friendliness	Elderly	
	Response	Percentage
Strongly disagree	20	10.0
Disagree	119	59.2
Can't say	49	24.4
Agree	11	5.5
Strongly agree	2	1.0
Total	201	100.0
Average score	2.28	
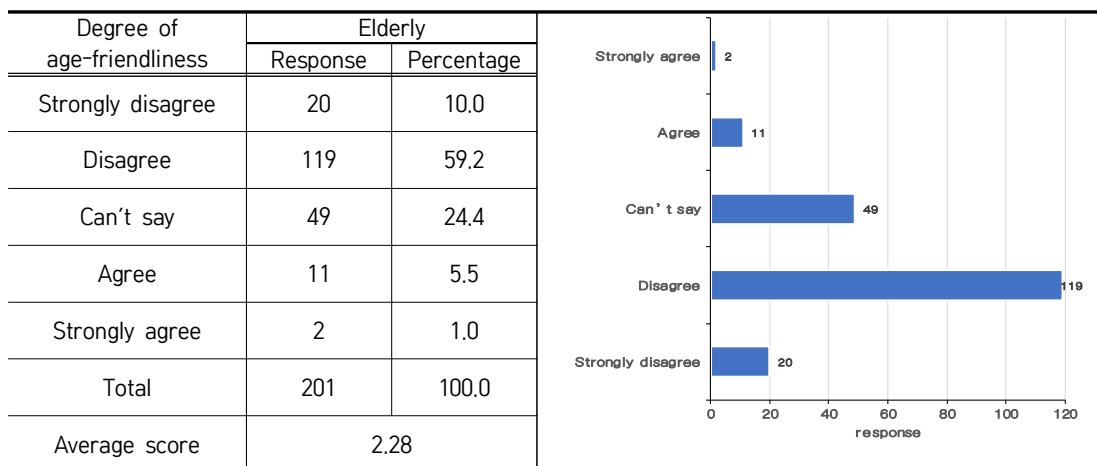
□ Spaces such as meeting places and facilities are provided to resolve conflicts between generations

Average score for the elderly group was 2.26 out of 5.

- Strongly agree (1.0%); Agree (6.0%); Can't say (24.9%); Disagree (54.7%); Strongly disagree (13.4%).

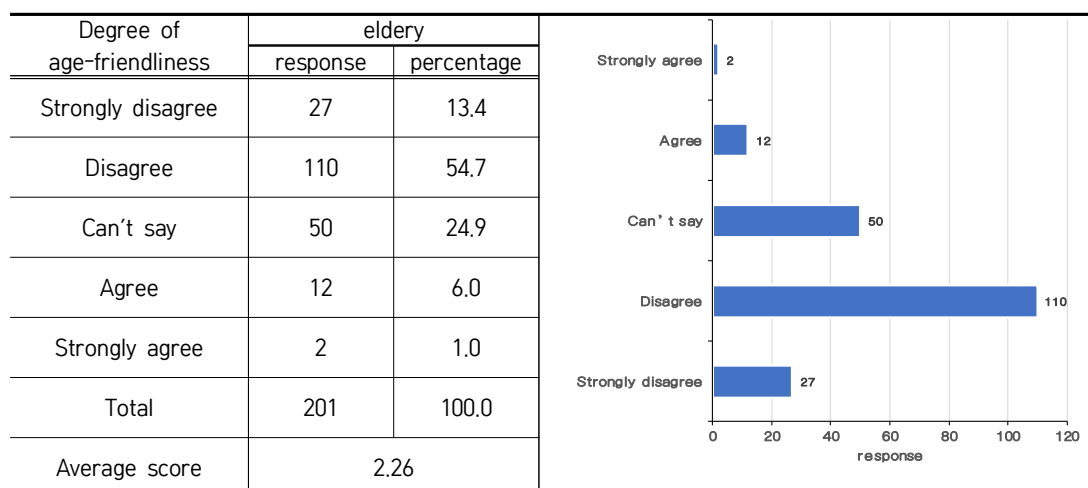▌[table 55] Spaces such as meeting places and facilities are provided to resolve conflicts between generations.

Degree of age-friendliness	eldery	
	response	percentage
Strongly disagree	27	13.4
Disagree	110	54.7
Can't say	50	24.9
Agree	12	6.0
Strongly agree	2	1.0
Total	201	100.0
Average score	2.26	

(마) Volunteer Work and Jobs

① Survey Contents for 'Volunteer Work and Jobs'

The components of the 'volunteer work and jobs' area are divided into four categories: securing volunteers for the elderly, volunteering activities for the elderly, employment for the elderly, and providing training services for jobs for the elderly. Each categories and detailed questions are as follows:

- Securing Volunteers for the Elderly

• Volunteer support is available for the elderly with disabilities. Volunteering is being carried out actively to help the elderly in financial difficulties.

- Volunteering Activities for the Elderly

• There are various volunteer activities in which the elderly can participate. Volunteering services are encouraged and supported in the community as a whole.

- Employment for the Elderly

• Job participation opportunities are provided to the elderly in a systematic manner.

• The elderly are not treated unfairly in hiring, maintaining employment, promotion, training, etc.

- Providing Training Services for Jobs for the Elderly

• Various training programs are in operation considering the aptitude of the elderly.

- After retirement, people can consult a professional for reemployment.
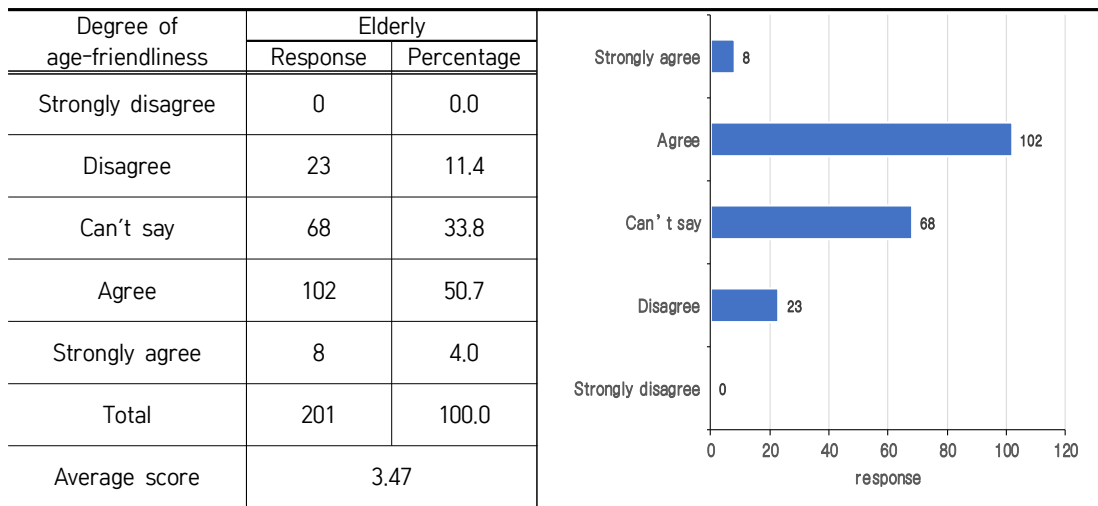
② Survey results of 'volunteer work and jobs'

■ Securing Volunteers for the Elderly

❑ Volunteer support is available for the elderly with disabilities.

Average score for the elderly group was 2.26 out of 5.

- Strongly agree (1.0%); Agree (6.0%); Can't say (24.9%); Disagree (54.7%); Strongly disagree (13.4%).

▌ [table 56] Volunteer support is available for the elderly with disabilities.

Degree of age-friendliness	Elderly	
	Response	Percentage
Strongly disagree	0	0.0
Disagree	23	11.4
Can't say	68	33.8
Agree	102	50.7
Strongly agree	8	4.0
Total	201	100.0
Average score	3.47	

❑ Volunteering is being carried out actively to help the elderly in financial difficulties.

Average score for the elderly group was 3.33 out of 5.

- Strongly agree (4.0%); Agree (41.8%); Can't say (38.3%); Disagree (14.9%); Strongly disagree (1.0%).

▌ [table 57] Volunteering is being carried out actively to help the elderly in financial difficulties.

Degree of age-friendliness	Elderly	
	Response	Percentage
Strongly disagree	2	1.0
Disagree	30	14.9
Can't say	77	38.3
Agree	84	41.8
Strongly agree	8	4.0
Total	201	100.0
Average score	3.33	
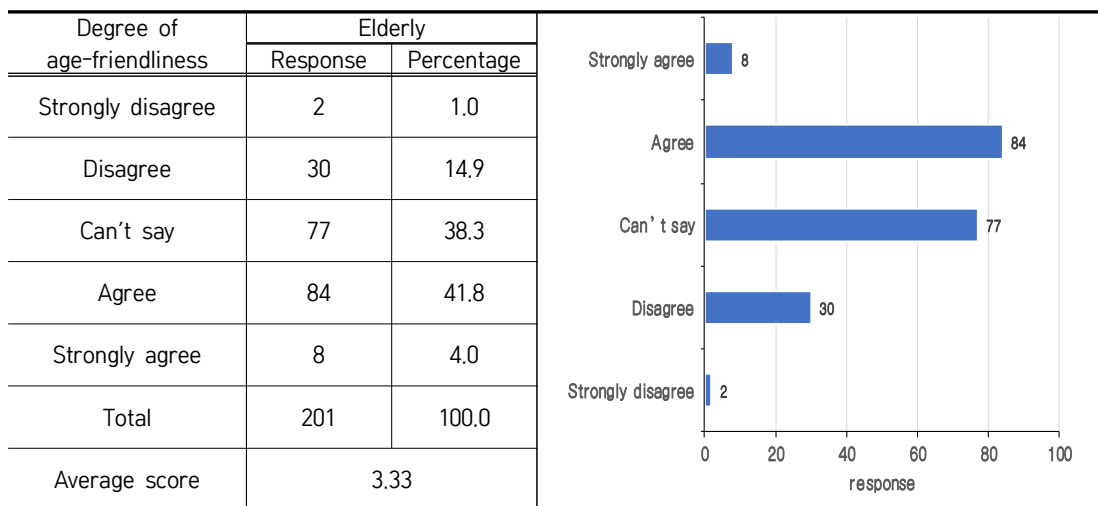
▇ Volunteering Activities for the Elderly

☐ There are various volunteer activities in which the elderly can participate.

Average score for the elderly group was 2.74 out of 5.

- Strongly agree (0.5%); Agree (18.9%); Can't say (36.8%); Disagree (41.8%); Strongly disagree (2.0%).

▎ [table 58] There are various volunteer activities in which the elderly can participate.

Degree of age-friendliness	Elderly	
	Response	Percentage
Strongly disagree	4	2.0
Disagree	84	41.8
Can't say	74	36.8
Agree	38	18.9
Strongly agree	1	0.5
Total	201	100.0
Average score	2.74	

·· Volunteering services are encouraged and supported in the community as a whole.

Average score for the elderly group was 2.97 out of 5.

- Strongly agree (1.0%); Agree (24.9%); Can't say (48.8%); Disagree (20.9%); Strongly disagree (4.5%).

▎ [table 59] Volunteering services are encouraged and supported in the community as a whole.

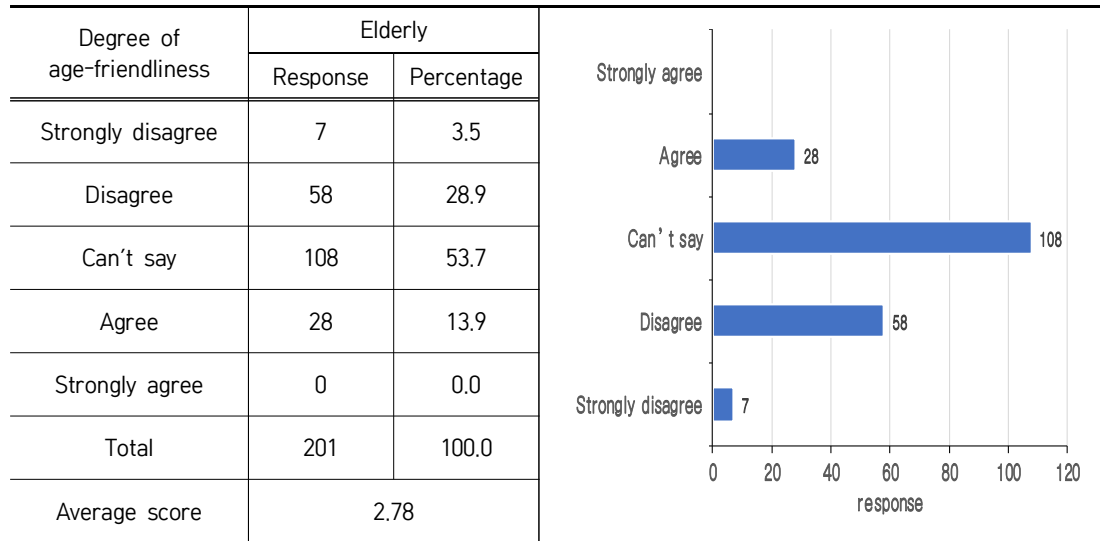| Degree of age-friendliness	Elderly	
	Response	Percentage
Strongly disagree	9	4.5
Disagree	42	20.9
Can't say	98	48.8
Agree	50	24.9
Strongly agree	2	1.0
Total	201	100.0
Average score	2.97	

■ Employment for the Elderly

□ Job participation opportunities are provided to the elderly in a systematic manner.

Average score for the elderly group was 2.78 out of 5.
- Strongly agree (0.0%); Agree (13.9%); Can't say (53.7%); Disagree (28.9%); Strongly disagree (3.5%).

▌ [table 60] Job participation opportunities are provided to the elderly in a systematic manner.

Degree of age-friendliness	Elderly	
	Response	Percentage
Strongly disagree	7	3.5
Disagree	58	28.9
Can't say	108	53.7
Agree	28	13.9
Strongly agree	0	0.0
Total	201	100.0
Average score	2.78	

□ The elderly are not treated unfairly in hiring, maintaining employment, promotion, training, etc.

Average score for the elderly group was 2.50 out of 5.
- Strongly agree (0.0%); Agree (9.5%); Can't say (37.3%); Disagree (46.8%); Strongly disagree (6.5%).

▌ [table 61] The elderly are not treated unfairly in hiring, maintaining employment, promotion, training, etc.

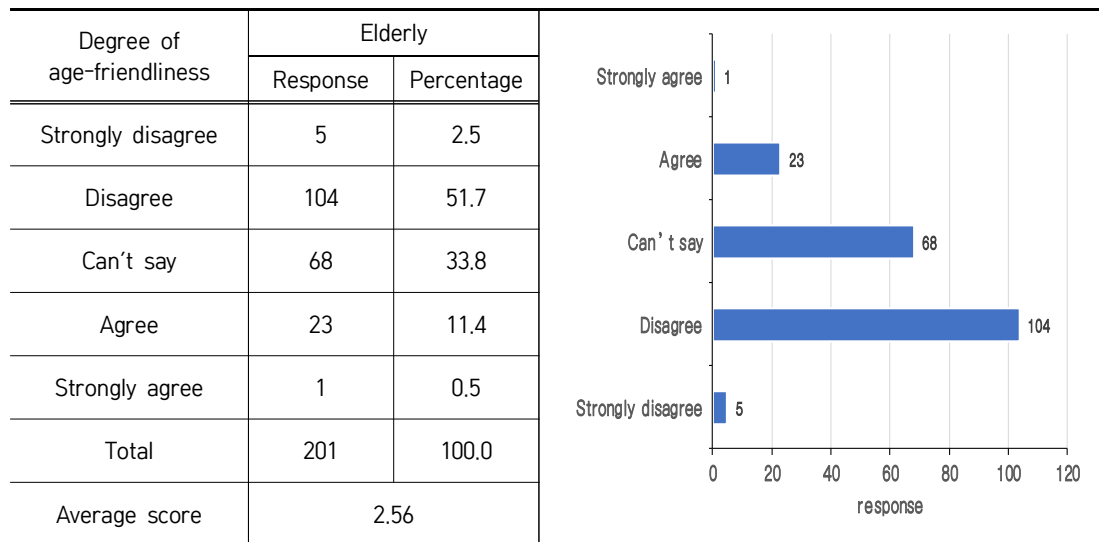| Degree of age-friendliness	Elderly	
	Response	Percentage
Strongly disagree	13	6.5
Disagree	94	46.8
Can't say	75	37.3
Agree	19	9.5
Strongly agree	0	0.0
Total	201	100.0
Average score	2.50	
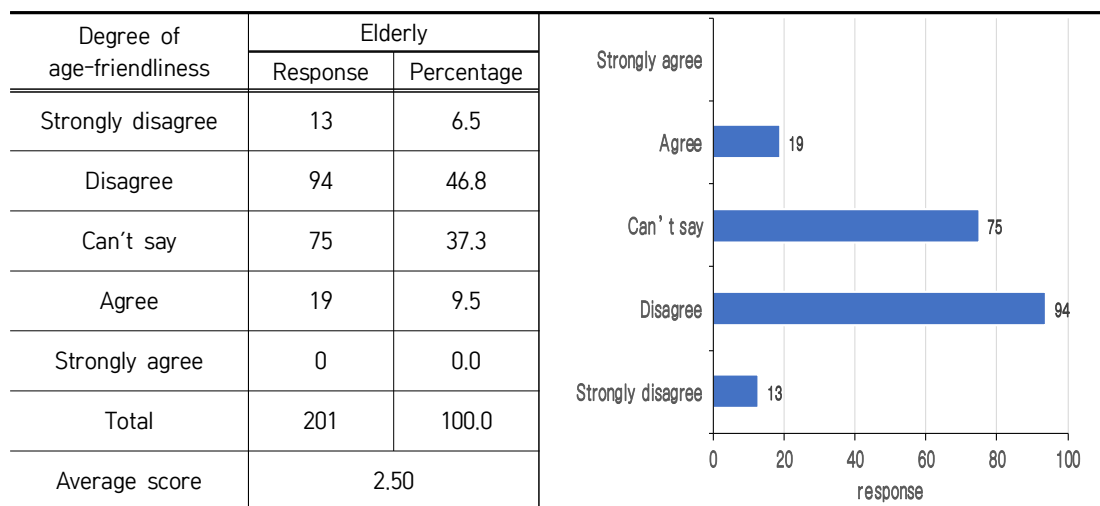
■ Providing Training Services for Jobs for the Elderly

□ Various training programs are in operation considering the aptitude of the elderly.

Average score for the elderly group was 2.56 out of 5.

- Strongly agree (0.5%); Agree (11.4%); Can't say (33.8%); Disagree (51.7%); Strongly disagree (2.5%).

❚ [table 62] Various training programs are in operation considering the aptitude of the elderly.

Degree of age-friendliness	Elderly	
	Response	Percentage
Strongly disagree	5	2.5
Disagree	104	51.7
Can't say	68	33.8
Agree	23	11.4
Strongly agree	1	0.5
Total	201	100.0
Average score	2.56	

□ After retirement, people can consult a professional for reemployment.

Average score for the elderly group was 3.25 out of 5.

- Strongly agree (4.5%); Agree (39.3%); Can't say (34.3%); Disagree (20.4%); Strongly disagree (1.5%).

❚ [table 63] After retirement, people can consult a professional for reemployment.

Degree of age-friendliness	Elderly	
	Response	Percentage
Strongly disagree	3	1.5
Disagree	41	20.4
Can't say	69	34.3
Agree	79	39.3
Strongly agree	9	4.5
Total	201	100.0
Average score	3.25	
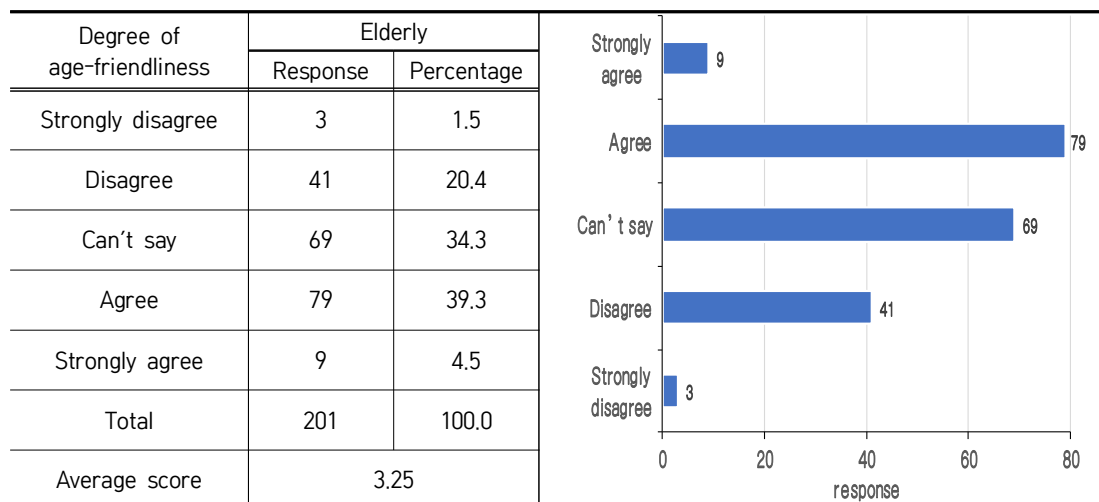
(바) Social Respect and Consideration

① Survey Contents of 'Social Respect and Consideration'

The components of 'social respect and consideration' area are divided into five categories: providing education to support the elderly's transition of perception, image of the elderly in the mass media, presence of the elderly in the community, community help for the elderly, and respecting the elderly in the community. Each factor and detailed question are as follows:

- Providing Education to Support the Elderly's Transition of Perception
  - Schools provide education about the elderly, and provide the opportunity for the elderly to participate in school events.
  - Opportunities are provided for the elderly to transfer their knowledge and experience as advisors to the young generation.
- Image of the Elderly in the Mass Media
  - People can often see contents related to the elderly in newspapers and broadcasts.
  - The mass media present the elderly as social and economic burdens and agents of conflicts.
- Presence of the Elderly in the Community
  - In the community, the elderly are cherished as valuable persons, and the atmosphere of respect and consideration is prevalent.
  - The elderly generation is receiving various social rewards in recognition of past contributions. (Basic Old Age Pension, Transportation and Cultural Amenities, Convenience Facilities)
- Community Help for the Elderly
  - Various policies are implemented to reflect the needs and preferences of the elderly.
  - There is a gradual increase in the provision of appropriate volunteering and services to the elderly. Respecting the elderly in the community
  - I have seen abuse of the elderly sometimes or have experienced it.
  - Children who do not live with the elderly parents make phone calls or visit to take care of them.

② Survey Results for 'Social Respect and Consideration'

🟦 Providing Education to Support the Elderly's Transition of Perception

☐ Schools provide education about the elderly, and provide the opportunity for the elderly to participate in school events.
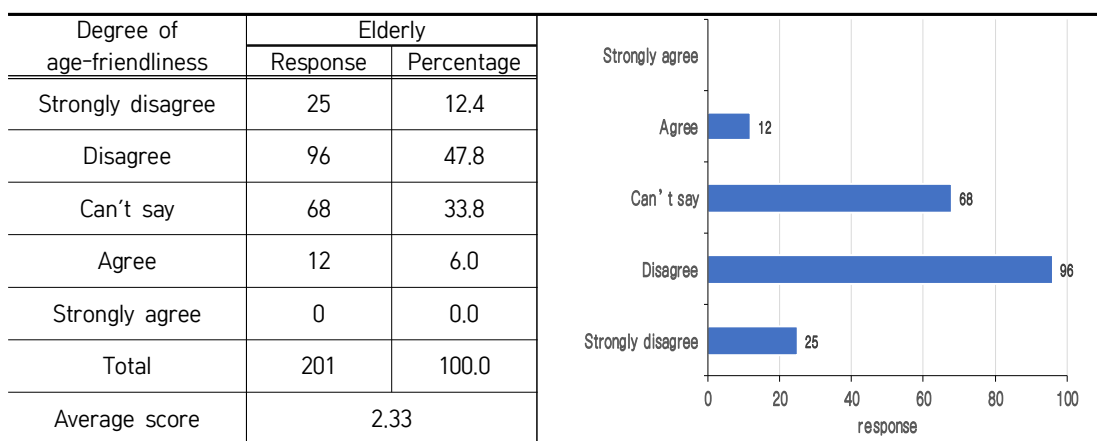
Average score for the elderly group was 2.33 out of 5.

- Strongly agree (0.0%); Agree (6.0%); Can't say (33.8%); Disagree (47.8%); Strongly disagree (12.4%).

▌[table 64] Schools provide education about the elderly, and provide the opportunity for the elderly to participate in school events.

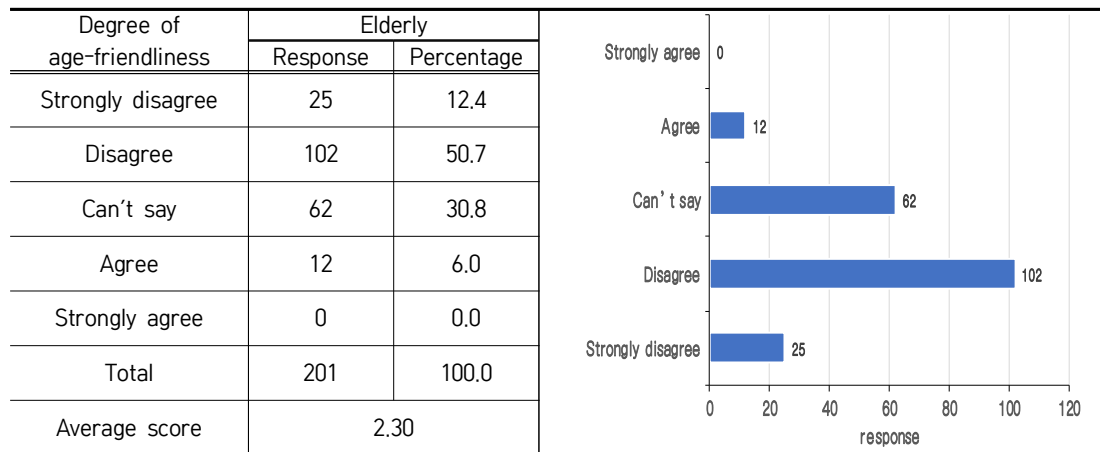| Degree of age-friendliness	Elderly	
	Response	Percentage
Strongly disagree	25	12.4
Disagree	96	47.8
Can't say	68	33.8
Agree	12	6.0
Strongly agree	0	0.0
Total	201	100.0
Average score	2.33	

☐ Opportunities are provided for the elderly to transfer their knowledge and experience as advisors to the young generation.

Average score for the elderly group was 2.30 out of 5.

- Strongly agree (0.0%): Agree (6.0%); Can't say (30.8%); Disagree (50.7%); Strongly disagree (12.4%).

❚ [table 65] Opportunities are provided for the elderly to transfer their knowledge and experience as advisors to the young generation.
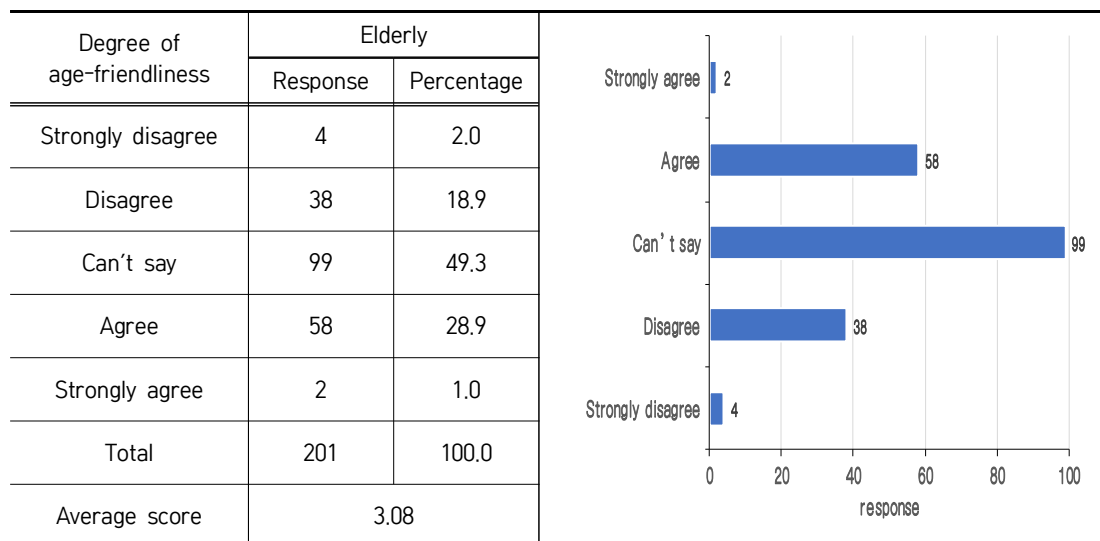
Degree of age-friendliness	Elderly	
	Response	Percentage
Strongly disagree	25	12.4
Disagree	102	50.7
Can't say	62	30.8
Agree	12	6.0
Strongly agree	0	0.0
Total	201	100.0
Average score	2.30	

▪ Image of the Elderly in the Mass Media

☐ People can often see contents related to the elderly in newspapers and broadcasts

Average score for the elderly group was 3.08 out of 5.

- Strongly agree (1.0%); Agree (28.9%); Can't say (49.3%); Disagree (18.9%); Strongly disagree (2.0%).

❚ [table 66] People can often see contents related to the elderly in newspapers and broadcasts.

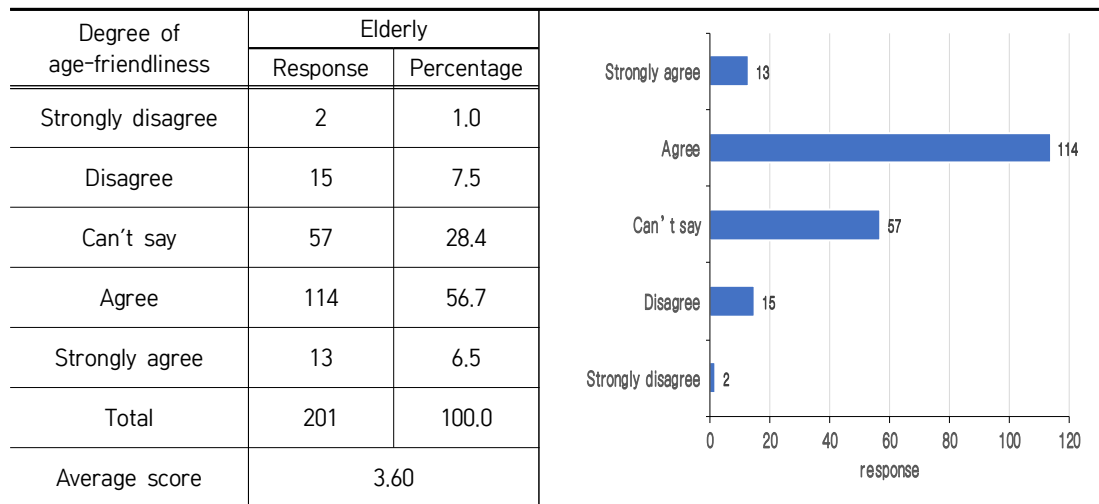| Degree of age-friendliness	Elderly	
	Response	Percentage
Strongly disagree	4	2.0
Disagree	38	18.9
Can't say	99	49.3
Agree	58	28.9
Strongly agree	2	1.0
Total	201	100.0
Average score	3.08	

☐ The mass media present the elderly as social and economic burdens and agents of conflicts.

Average score for the elderly group was 3.60 out of 5.

- Strongly agree (6.5%); Agree (56.7%); Can't say (28.4%); Disagree (7.5%); Strongly disagree (1.0%).

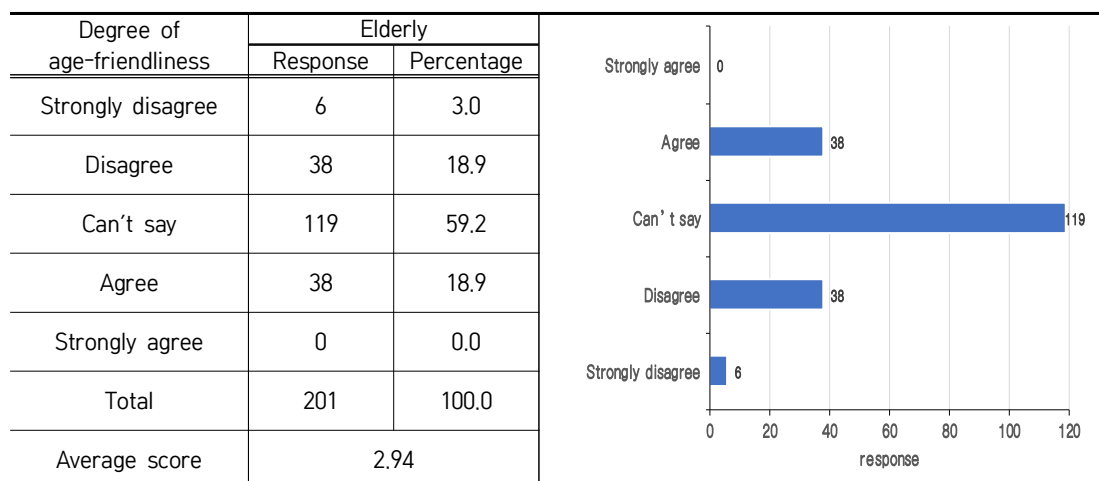| Degree of age-friendliness	Elderly	
	Response	Percentage
Strongly disagree	2	1.0
Disagree	15	7.5
Can't say	57	28.4
Agree	114	56.7
Strongly agree	13	6.5
Total	201	100.0
Average score	3.60	

▌ Presence of the Elderly in the Community

☐ In the community, the elderly are cherished as valuable persons, and the atmosphere of respect and consideration is prevalent.

Average score for the elderly group was 2.94 out of 5.

- Strongly agree (0.0%); Agree (18.9%); Can't say (59.2%); Disagree (18.9%); Strongly disagree (3.0%).

▌ [table 68]] In the community, the elderly are cherished as valuable persons, and the atmosphere of respect and consideration is prevalent.

Degree of age-friendliness	Elderly	
	Response	Percentage
Strongly disagree	6	3.0
Disagree	38	18.9
Can't say	119	59.2
Agree	38	18.9
Strongly agree	0	0.0
Total	201	100.0
Average score	2.94	

☐ The elderly generation is receiving various social rewards in recognition of past contributions (Basic Old Age Pension, Transportation and Cultural Amenities, Convenience Facilities).

Average score for the elderly group was 3.12 out of 5.

- Strongly agree (0.5%); Agree (27.9%); Can't say (57.2%); Disagree (12.4%); Strongly
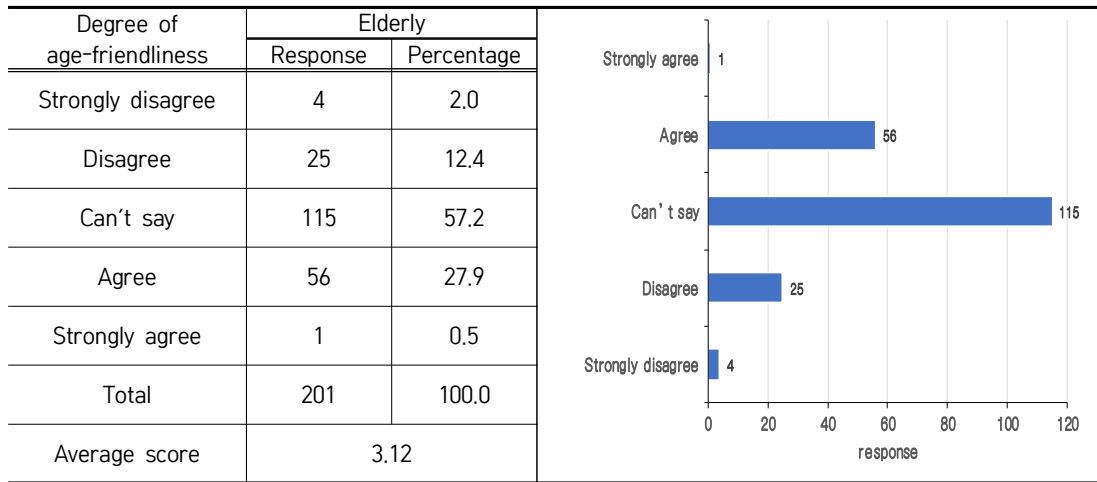
disagree (2.0%).

▌ [table 69] The elderly generation is receiving various social rewards in recognition of past contributions. (Basic Old Age Pension, Transportation and Cultural Amenities, Convenience Facilities)
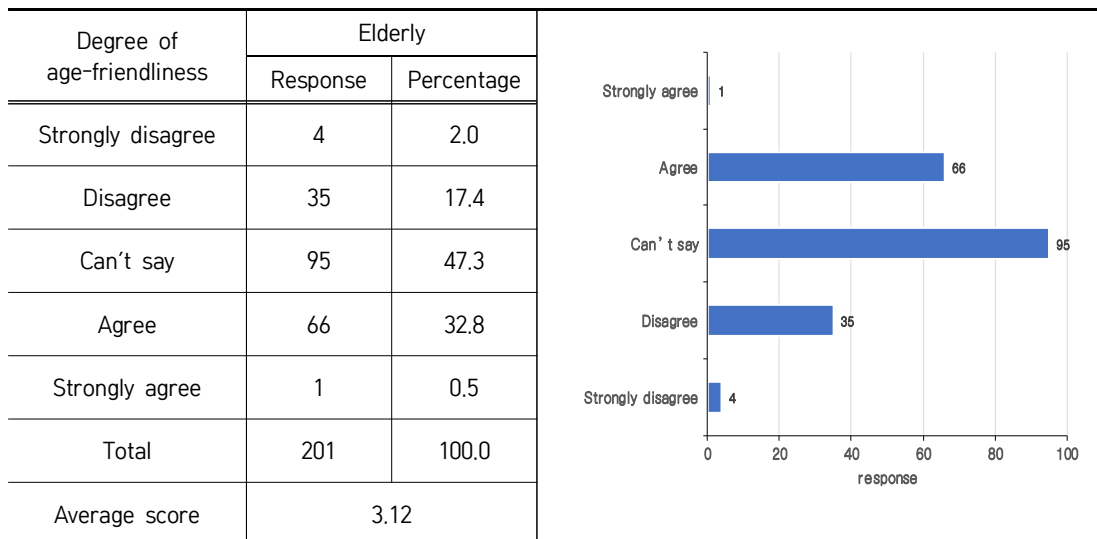
Degree of age-friendliness	Elderly	
	Response	Percentage
Strongly disagree	4	2.0
Disagree	25	12.4
Can't say	115	57.2
Agree	56	27.9
Strongly agree	1	0.5
Total	201	100.0
Average score	3.12	

Community Help for the Elderly

☐ Various policies are implemented to reflect the needs and preferences of the elderly.

Average score for the elderly group was 3.12 out of 5.

- Strongly agree (0.5%); Agree (32.8%); Can't say (47.3%); Disagree (17.4%); Strongly disagree (2.0%).

▌ [table 70] Various policies are implemented to reflect the needs and preferences of the elderly.

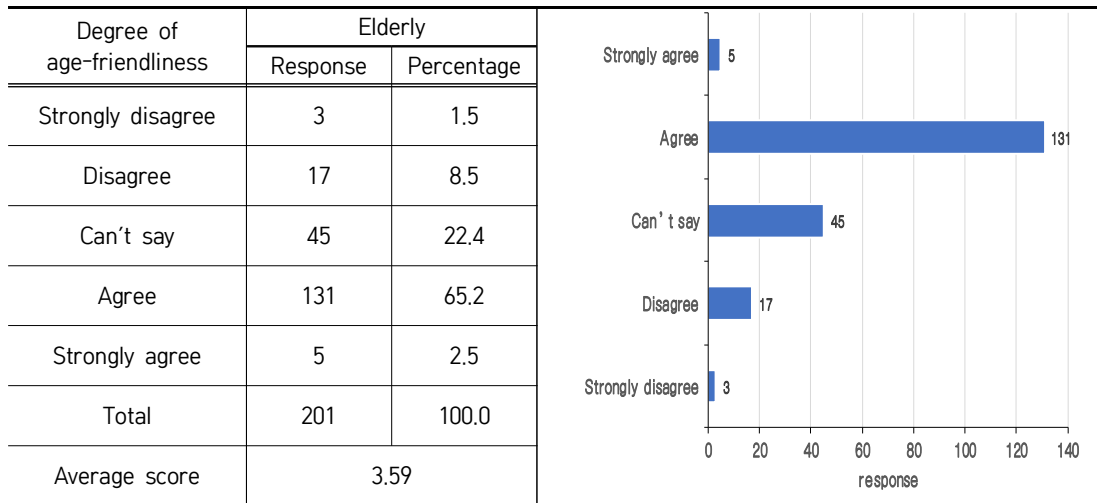| Degree of age-friendliness	Elderly	
	Response	Percentage
Strongly disagree	4	2.0
Disagree	35	17.4
Can't say	95	47.3
Agree	66	32.8
Strongly agree	1	0.5
Total	201	100.0
Average score	3.12	

☐ There is gradual increase in the provision of appropriate volunteering and services to the elderly.

Average score for the elderly group was 3.59 out of 5.

- Strongly agree (2.5%); Agree (65.2%); Can't say (22.4%); Disagree (8.5%); Strongly

disagree (1.5%).

▌ **[table 71] There is gradual increase in the provision of appropriate volunteering and services to the elderly.**
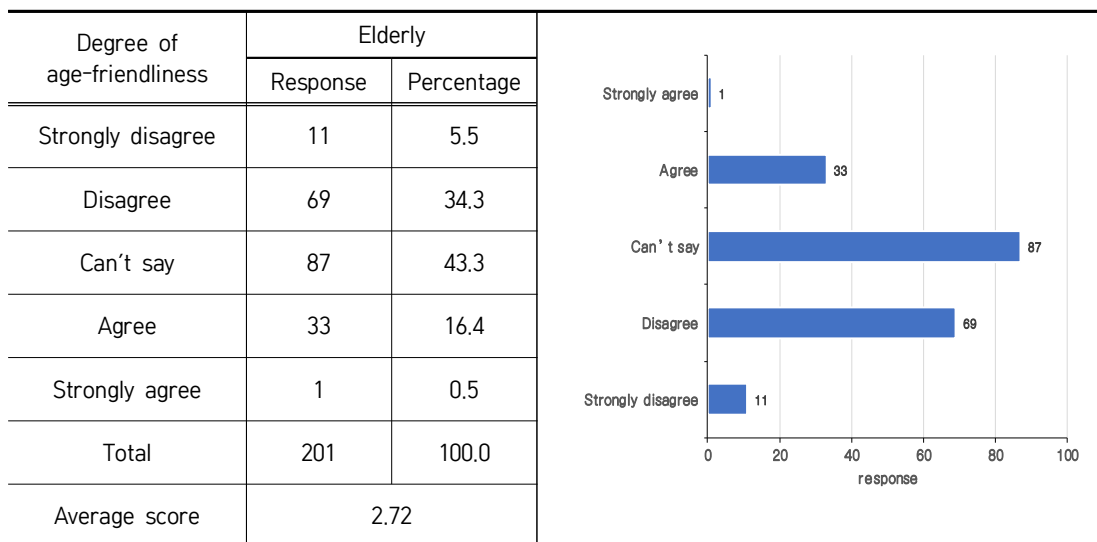
Degree of age-friendliness	Elderly	
	Response	Percentage
Strongly disagree	3	1.5
Disagree	17	8.5
Can't say	45	22.4
Agree	131	65.2
Strongly agree	5	2.5
Total	201	100.0
Average score	3.59	

Respecting the Elderly in the Community

☐ I have seen abuse of the elderly sometimes or have experienced it.

Average score for the elderly group was 2.72 of 5.
- Strongly agree (0.5%); Agree (16.4%); Can't say (43.3%); Disagree (34.3%); Strongly disagree (5.5%).

▌ **[table 72] I have seen abuse of the elderly sometimes or have experienced it.**

Degree of age-friendliness	Elderly	
	Response	Percentage
Strongly disagree	11	5.5
Disagree	69	34.3
Can't say	87	43.3
Agree	33	16.4
Strongly agree	1	0.5
Total	201	100.0
Average score	2.72	

☐ Children who do not live with elderly parents make phone calls or visit to take care of them.

Average score for the elderly group was 3.33 out of 5.
- Strongly agree (1.5%); Agree (43.3%); Can't say (43.8%); Disagree (9.5%); Strongly disagree (2.0%).

[table 73] Children who do not live with elderly parents make phone calls or visit to take care of them.

Degree of age-friendliness	Elderly	
	Response	Percentage
Strongly disagree	4	2.0
Disagree	19	9.5
Can't say	88	43.8
Agree	87	43.3
Strongly agree	3	1.5
Total	201	100.0
Average score	3.33	

(사) Communication and Information

① Survey Contents for 'Communication and Information'

The survey consists of four components in the communication and information area: visual provision of information, auditory provision of information, elderly-friendly information, and elderly-friendly information on information technology (computer and Internet). Each components and detailed questions are as follows:

- Visual Provision of Information
  - Information on public facilities is provided using large letters and colors to help older people distinguish the words.
  - Information on public facilities is described in standard language that is appropriate and easy for the elderly to understand.
- Auditory Provision of Information
  - In public facilities, guides and counselors speak loudly and clearly according to the hearing conditions experienced by the elderly.
  - In public facilities, guides and counselors use familiar words centered on standard language to talk easily.
- Elderly-friendly Information
  - Life information for the elderly is provided through various media.
  - Local newspapers and local information broadcasts reflect the interests of the elderly.

- Elderly-friendly Information on Information Technology (Computer and Internet)

- Information searching by using the internet is supported.

- Smartphones are being used well.

- The city provides opportunities and places for seniors to learn about using computers or smartphones whenever they want.

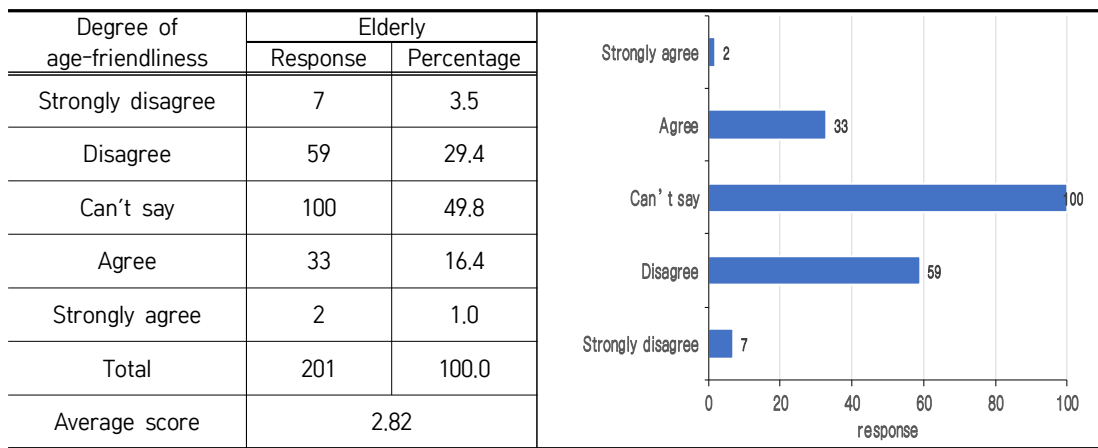② Survey Results for 'Communication and Information'

■ Visual Provision of Information

`` Information on public facilities is provided using large letters and colors to help older people distinguish the words.

Average score for the elderly group was 2.82 out of 5.

- Strongly agree (1.0%); Agree (16.4%); Can't say (49.8%); Disagree (29.4%); Strongly disagree (3.5%).

▌[table 74] Information on public facilities uses large letters and colors to help older people distinguish letters.

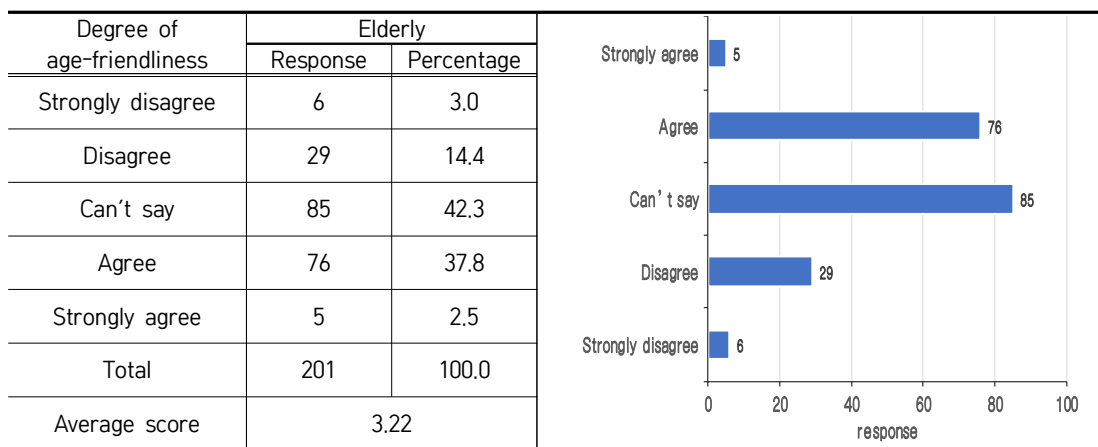| Degree of age-friendliness	Elderly	
	Response	Percentage
Strongly disagree	7	3.5
Disagree	59	29.4
Can't say	100	49.8
Agree	33	16.4
Strongly agree	2	1.0
Total	201	100.0
Average score	2.82	

□ Information on public facilities is described in standard language that is appropriate and easy for the elderly to understand.

Average score for the elderly group was 3.22 out of 5.

- Strongly agree (2.5%); Agree (37.8%); Can't say (42.3%); Disagree (14.4%); Strongly disagree (3.0%).

▌[table 75] Information on public facilities is described in standard language that is appropriate and easy for the elderly to understand.

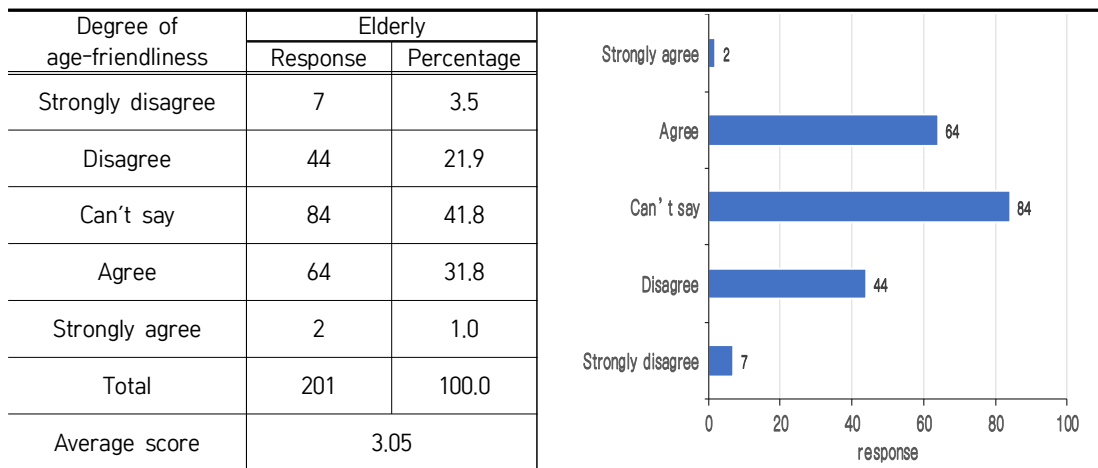| Degree of age-friendliness	Elderly	
	Response	Percentage
Strongly disagree	6	3.0
Disagree	29	14.4
Can't say	85	42.3
Agree	76	37.8
Strongly agree	5	2.5
Total	201	100.0
Average score	3.22	

■ Auditory Provision of Information

☐ In public facilities, guides and counselors speak loudly and clearly according to the hearing conditions experienced by the elderly.

Average score for the elderly group was 3.05 out of 5.

- Strongly agree (1.0%), Agree (31.8%), Can't say (41.8%), Disagree (21.9%), not at all (3.5%).

▌ [table 76] In public facilities, guides and counselors speak loudly and clearly according to the hearing conditions of the elderly..

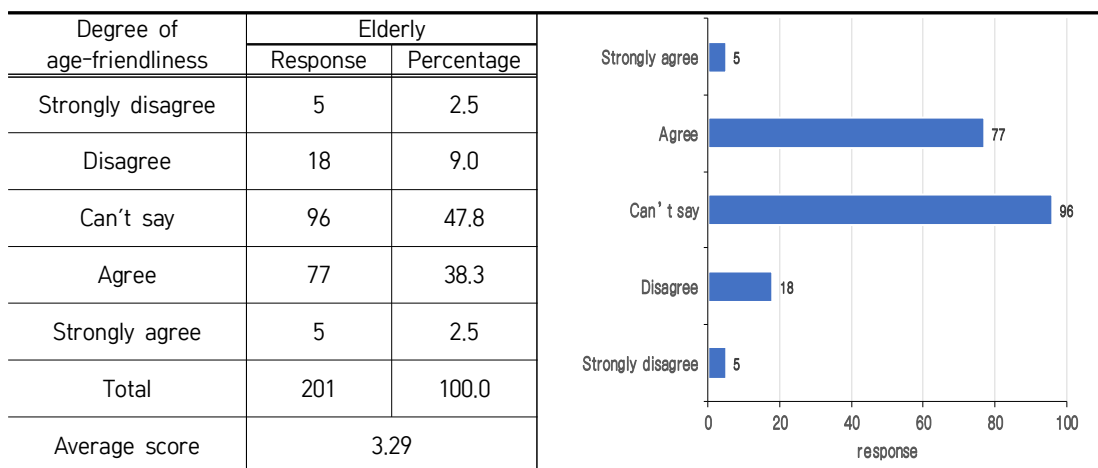| Degree of age-friendliness	Elderly	
	Response	Percentage
Strongly disagree	7	3.5
Disagree	44	21.9
Can't say	84	41.8
Agree	64	31.8
Strongly agree	2	1.0
Total	201	100.0
Average score	3.05	

☐ In public facilities, guides and counselors use familiar words centered on standard language to talk easily.

Average score for the elderly group was 3.29 out of 5.

- Strongly agree (2.5%); Agree (38.3%); Can't say (47.8%); Disagree (9.0%); Strongly disagree (2.5%).

▌ [table 77] In public facilities, guides and counselors use familiar words centered on standard language to talk easily.

Degree of age-friendliness	Elderly	
	Response	Percentage
Strongly disagree	5	2.5
Disagree	18	9.0
Can't say	96	47.8
Agree	77	38.3
Strongly agree	5	2.5
Total	201	100.0
Average score	3.29	

■ Elderly-friendly Information

□ Life information for the elderly is provided through various media.

Average score for the elderly group was 2.91 out of 5.

- Strongly agree (1.0%); Agree (21.4%); Can't say (47.3%); Disagree (28.4%); Strongly disagree (2.0%).

▌ [table 78] Life information for the elderly is provided through various media.

Degree of age-friendliness	Elderly	
	Response	Percentage
Strongly disagree	4	2.0
Disagree	57	28.4
Can't say	95	47.3
Agree	43	21.4
Strongly agree	2	1.0
Total	201	100.0
Average score	2.91	

□ Local newspapers and local information broadcasts reflect the interests of the elderly.

Average score for the elderly group was 2.94 out of 5.

- Strongly agree (1.0%); Agree (19.4%); Can't say (55.2%); Disagree (21.4%); Strongly disagree (3.0%).

▌ [table 79] Local newspapers and local information broadcasts reflect the interests of the elderly.

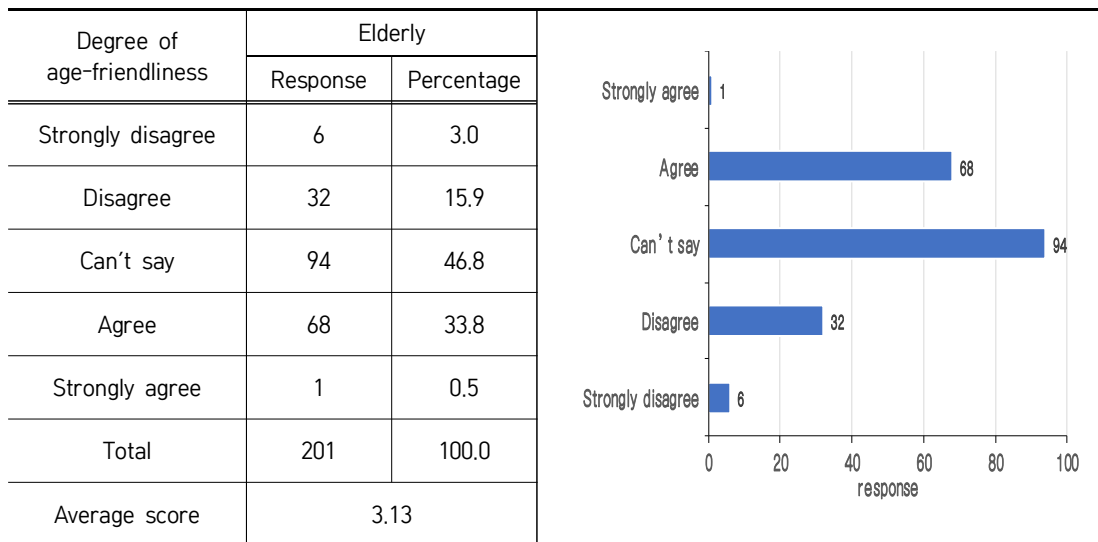| Degree of age-friendliness	Elderly	
	Response	Percentage
Strongly disagree	6	3.0
Disagree	43	21.4
Can't say	111	55.2
Agree	39	19.4
Strongly agree	2	1.0
Total	201	100.0
Average score	2.94	

▣ Elderly-friendly Information on Information Technology (Computer and internet)

□ Information searching by using the internet is supported.

Average score for the elderly group was 3.13 out of 5.

- Strongly agree (0.5%); Agree (33.8%); Can't say (46.8%); Disagree (15.9%); Strongly disagree (3.0%).

▌ [table 80] Information searching by using the internet is supported.

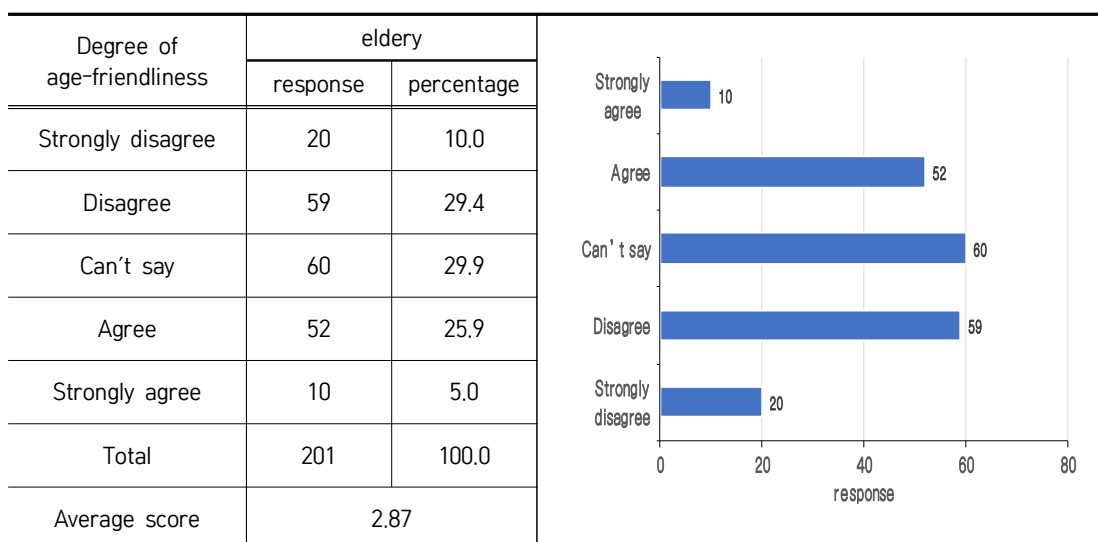| Degree of age-friendliness	Elderly	
	Response	Percentage
Strongly disagree	6	3.0
Disagree	32	15.9
Can't say	94	46.8
Agree	68	33.8
Strongly agree	1	0.5
Total	201	100.0
Average score	3.13	

□ Smartphones are being used well.

Average score for the elderly group was 2.87 out of 5.

- Strongly agree (5.0%); Agree (25.9%); Can't say (29.9%); Disagree (29.4%); Strongly disagree (10.0%).

▌ [table 81] Smartphones are being used well.

| Degree of age-friendliness	eldery	
	response	percentage
Strongly disagree	20	10.0
Disagree	59	29.4
Can't say	60	29.9
Agree	52	25.9
Strongly agree	10	5.0
Total	201	100.0
Average score	2.87	

□ The city provides opportunities and places for seniors to learn about using computers or smartphones whenever they want.

Average score for the elderly group was 3.15 out of 5.

- Strongly agree (2.0%); Agree (26.9%); Can't say (55.7%); Disagree (14.9%); Strongly disagree (0.5%).

▌[table 82] The city provides opportunities and places for seniors to learn about using computers or smartphones whenever they want.

Degree of age-friendliness	Elderly	
	Response	Percentage
Strongly disagree	1	0.5
Disagree	30	14.9
Can't say	112	55.7
Agree	54	26.9
Strongly agree	4	2.0
Total	201	100.0
Average score	3.15	
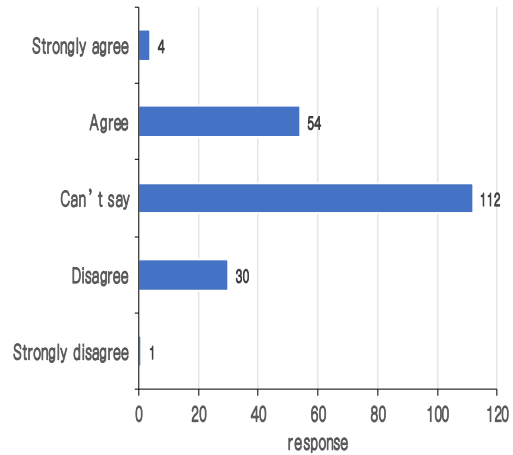
(아) Community Support and Health

① Survey Contents for 'Community Support and Health'

The four factors of 'community support and health' are 'accessibility of medical and welfare facilities', 'providing health services', 'customized medical welfare' and 'emergency measures for the elderly', and each category consists of two questions.

- Accessibility of Medical and Welfare Facilities
  • Medical and welfare facilities are located in places that are convenient for the elderly.
  • When using medical and welfare facilities, the procedures and standards are simple and convenient.
- Providing Health Services
  • Regular medical examination services are provided for the elderly.
  • There are many opportunities to receive health and medical services (health education and nutrition and exercise classes) and thereby promote health.
- Customized Medical Welfare
  • If an elderly person needs help in his/her daily life, such as housework or nursing care, he/she can get help through social support.
  • There is a facility where elderly people with disabilities can receive rehabilitation treatment (physical therapy and work therapy) free of cost.
- Emergency Measures for the Elderly
  • Elderly people with diseases can receive visiting services for first aid.
  • There are emergency measures for the elderly in the event of extreme weather conditions such as severe cold, heat wave, or heavy rain.

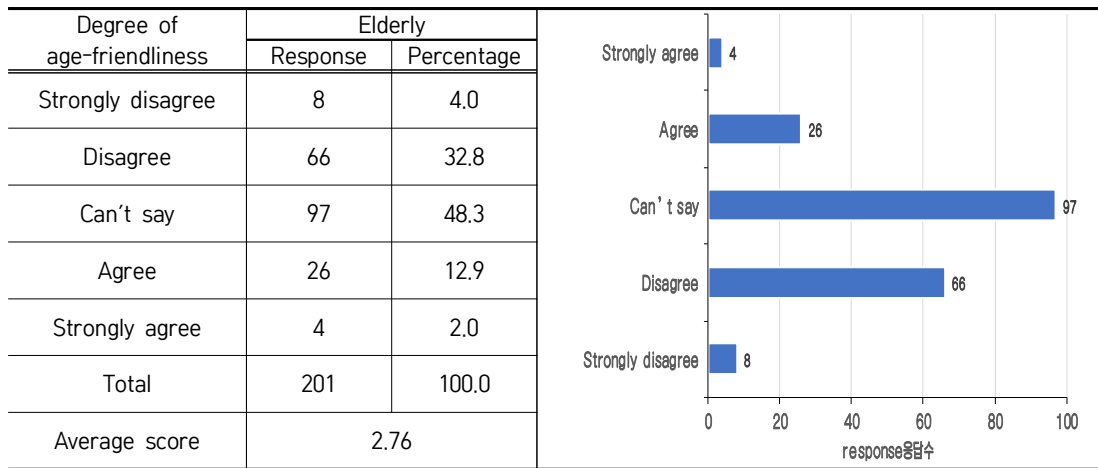② Survey Results for 'Community Support and Health'

◼ Accessibility of Medical and Welfare Facilities

☐ Medical and welfare facilities are located in places that are convenient for the elderly.

Average score for the elderly group was 2.76 out of 5.

- Strongly agree (2.0%); Agree (12.9%); Can't say (48.3%); Disagree (32.8%); Strongly disagree (4.0%).

▌ [table 83] Medical and welfare facilities are located in places that are convenient for the elderly.
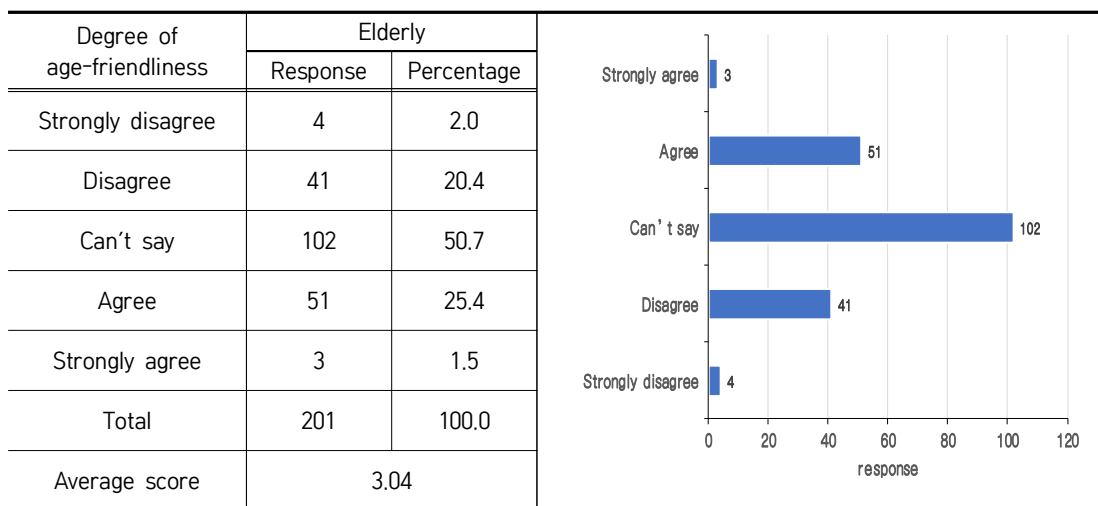
Degree of age-friendliness	Elderly	
	Response	Percentage
Strongly disagree	8	4.0
Disagree	66	32.8
Can't say	97	48.3
Agree	26	12.9
Strongly agree	4	2.0
Total	201	100.0
Average score	2.76	

`` When using medical and welfare facilities, the procedures and standards are simple and convenient.

Average score for the elderly group was 3.04 out of 5.

- Strongly agree (1.5%); Agree (25.4%); Can't say (50.7%); Disagree (20.4%); Strongly disagree (2.0%).

▌ [table 84] When using medical and welfare facilities, the procedures and standards are simple and convenient.

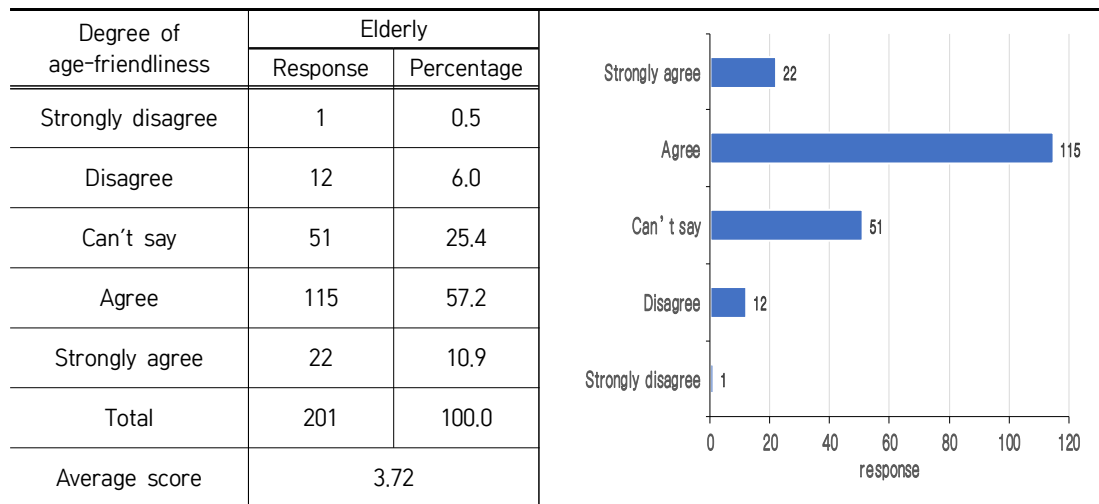| Degree of age-friendliness	Elderly	
	Response	Percentage
Strongly disagree	4	2.0
Disagree	41	20.4
Can't say	102	50.7
Agree	51	25.4
Strongly agree	3	1.5
Total	201	100.0
Average score	3.04	

■ Providing Health Services

□ Regular medical examination services are provided for the elderly.

Average score for the elderly group was 3.72 out of 5.
   - Strongly agree (10.9%); Agree (57.2%); Can't say (25.4%); Disagree (6.0%); Strongly disagree (0.5%).

▍[table 85] Regular medical examination services are provided for the elderly.

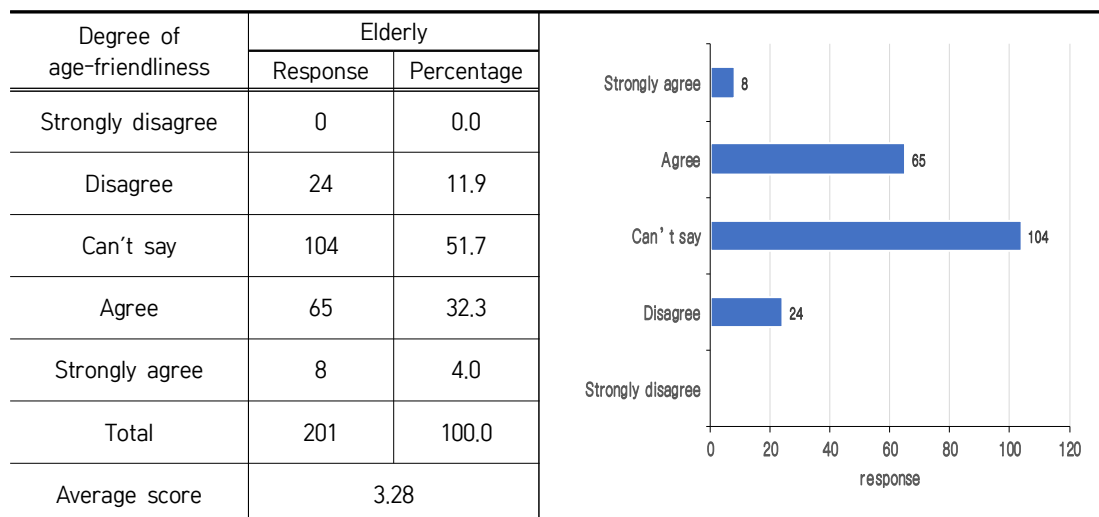| Degree of age-friendliness	Elderly	
	Response	Percentage
Strongly disagree	1	0.5
Disagree	12	6.0
Can't say	51	25.4
Agree	115	57.2
Strongly agree	22	10.9
Total	201	100.0
Average score	3.72	

`` There are many opportunities to receive health and medical services (health education and nutrition and exercise classes) and thereby promote health.

Average score for the elderly group was 3.28 out of 5.
   - Strongly agree (4.0%); Agree (32.3%); Can't say (51.7%); Disagree (11.9%); Strongly disagree (0.0%).

▍[table 86] There are many opportunities to receive health and medical services (health education and nutrition and exercise classes) to promote health.

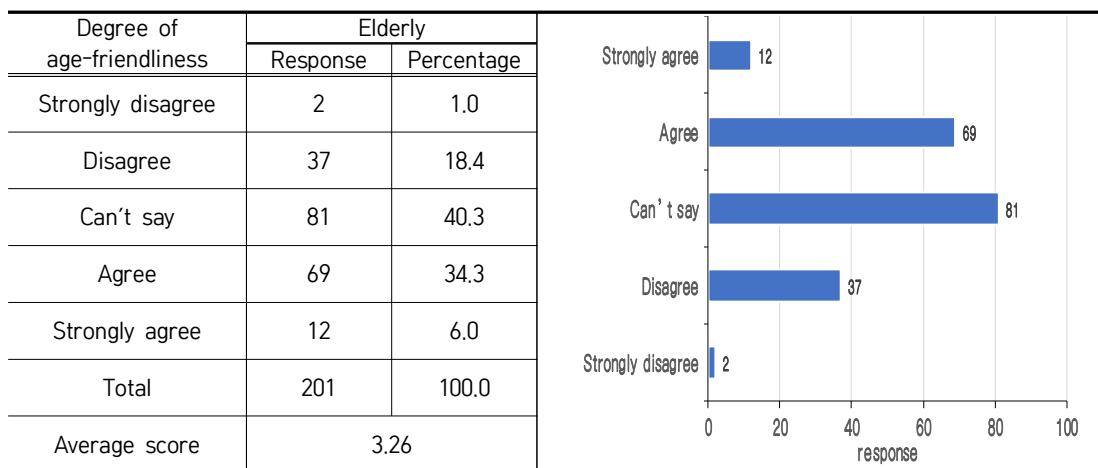| Degree of age-friendliness	Elderly	
	Response	Percentage
Strongly disagree	0	0.0
Disagree	24	11.9
Can't say	104	51.7
Agree	65	32.3
Strongly agree	8	4.0
Total	201	100.0
Average score	3.28	

■ Customized Medical Welfare

☐ If an elderly person needs help in his/her daily life, such as housework or nursing care, he/she can get help through social support.

Average score for the elderly group was 3.26 out of 5.

- Strongly agree (6.0%); Agree (34.3%); Can't say (40.3%); Disagree (18.4%); Strongly disagree (1.0%).

❚ [table 87] If an elderly person needs help in his/her daily life, such as housework or nursing care, he/she can get help through social support.
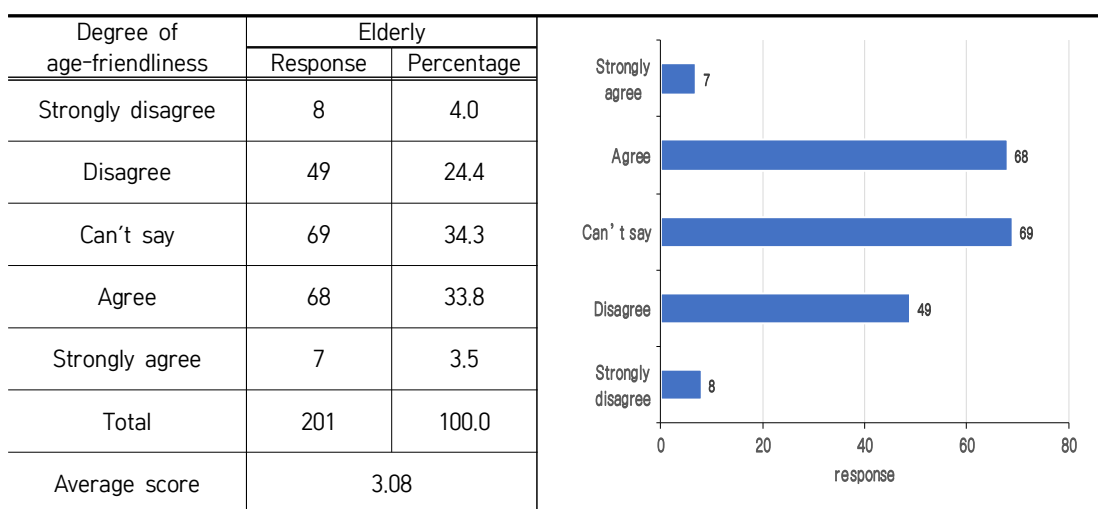
Degree of age-friendliness	Elderly	
	Response	Percentage
Strongly disagree	2	1.0
Disagree	37	18.4
Can't say	81	40.3
Agree	69	34.3
Strongly agree	12	6.0
Total	201	100.0
Average score	3.26	

☐ There is a facility where elderly people with disabilities can receive rehabilitation treatment (physical therapy and work therapy) free of cost.

Average score for the elderly group was 3.08 out of 5.

- Strongly agree (3.5%); Agree (33.8%); Can't say (34.3%); Disagree (24.4%); Strongly disagree (4.0%).

❚ [table 88] There is a facility where elderly people with disabilities can receive rehabilitation treatment (physical therapy and work therapy) free of cost.

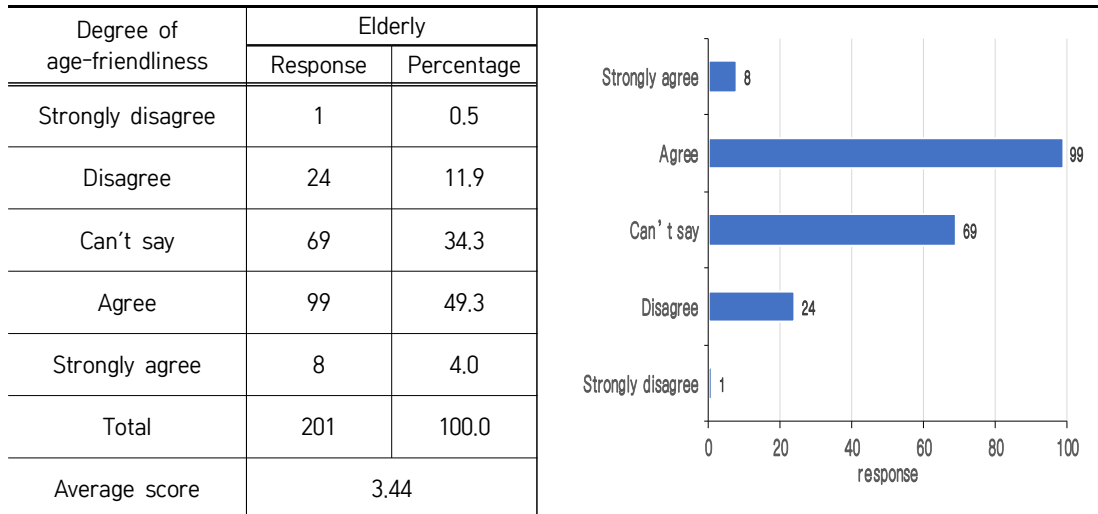| Degree of age-friendliness	Elderly	
	Response	Percentage
Strongly disagree	8	4.0
Disagree	49	24.4
Can't say	69	34.3
Agree	68	33.8
Strongly agree	7	3.5
Total	201	100.0
Average score	3.08	

■ Emergency Measures for the Elderly

❑ Elderly people with diseases can receive visiting services for first aid.

Average score for the elderly group was 3.44 out of 5.

- Strongly agree (4.0%); Agree (49.3%); Can't say (34.3%); Disagree (11.9%); Strongly disagree (0.5%).

❚ [table 89] Elderly people with diseases can receive visiting services for first aid.

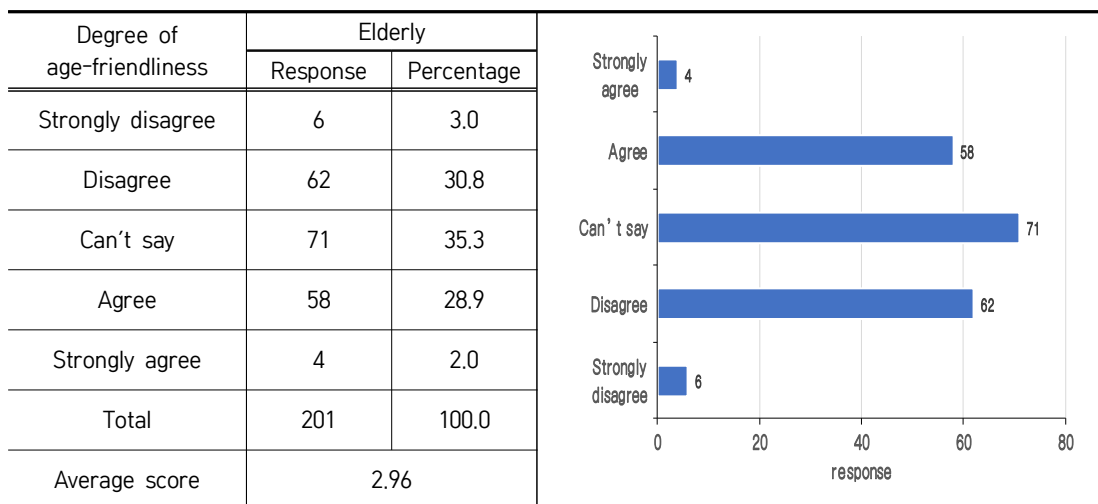| Degree of age-friendliness	Elderly	
	Response	Percentage
Strongly disagree	1	0.5
Disagree	24	11.9
Can't say	69	34.3
Agree	99	49.3
Strongly agree	8	4.0
Total	201	100.0
Average score	3.44	

`` There are emergency measures for the elderly in the event of extreme natural conditions such as severe cold, heat wave, or heavy rain.

Average score for the elderly group was 2.96 out of 5.

- Strongly agree (2.0%); Agree (28.9%); Can't say (35.3%); Disagree (30.8%); Strongly disagree (3.0%).

❚ [table 90] There are emergency measures for the elderly in the event of extreme natural conditions such as severe cold, heat wave, or heavy rain.

| Degree of age-friendliness	Elderly	
	Response	Percentage
Strongly disagree	6	3.0
Disagree	62	30.8
Can't say	71	35.3
Agree	58	28.9
Strongly agree	4	2.0
Total	201	100.0
Average score	2.96	

(4) Conclusion

① Comparison of Average Values According to the Area

The overall average age-friendly value for Gongju area, according to the WHO guidelines, was 2.95.

- As a result of comparing the average values of 8 areas of age-friendliness, the average rating obtained for the 'community support and health' area was the highest at 3.19; followed by 'communication information' at 3.04; 'social respect and consideration' at 3.01; 'housing' at 2.97; 'volunteer work and jobs' at 2.95; 'transportation' at 2.93 and 'social participation' at 2.8. The average value obtained for the 'social participation' area was the lowest.
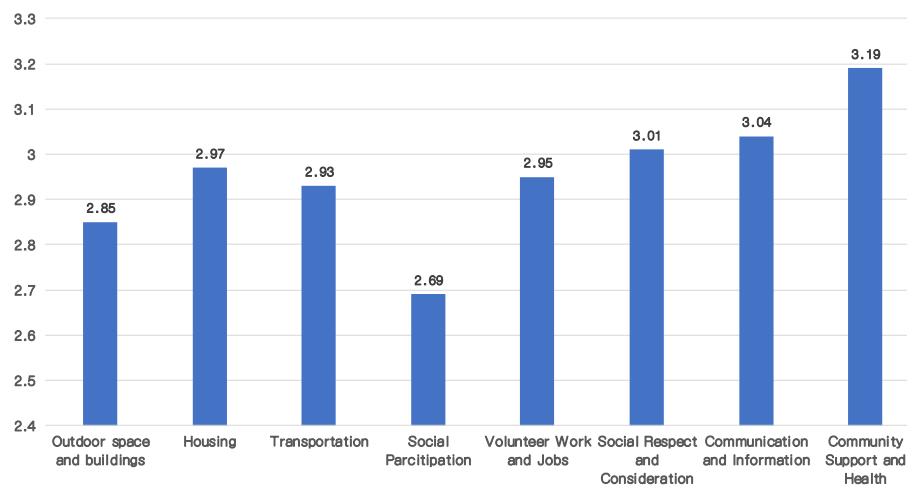
▌[picture 13] Comparison of Average Values for Each Area

Outdoor space and building area are the highest with 3.11 points for 'appropriate public toilets', followed by 2.96 points for 'Sufficient resting facilities' and 2.89 points for 'Walkways', and 2.45 points for 'Service for senior citizens'.

The 'Housing' area received the highest score of 3.26 points for 'elderly-friendly housing environment', followed by 3.13 points for 'appropriateness of housing costs', 3.06 points for 'convenient accessibility', and 2.91 points for 'providing services for housing maintenance', and 2.50 points for 'elderly-friendly housing structure'.

The 'Transportation' area received the highest score of 3.09 points for 'preferential treatment of the elderly in public transportation', followed by 3.07 points for 'convenience in using public transportation', 2.59 points for 'elderly driving vehicles', and 2.36 points for 'elderly-friendly transportation'.

The 'Social Participation' area received the highest score of 3.00 points for 'expanding social participation opportunities', followed by 2.82 points for 'providing
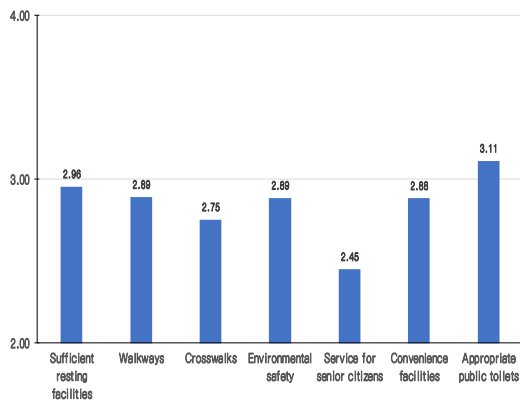
social participation information', 2.65 points for 'convenience of social activities', and 2.27 points for 'mingling of various generations in the community'.

The Volunteer Work and Job' had the highest score of 3.40 points in the category of 'securing of volunteers for the elderly', followed by 2.90 points for 'providing training services for jobs for the elderly', 2.86 points for 'volunteer activities for the elderly', and 2.64 points for 'employment for the elderly'.
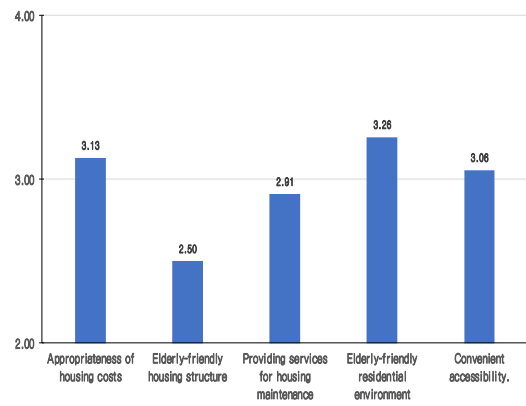
The 'Social Respect and Consideration' area had the highest score of 3.36 points for 'community help for the elderly,' followed by 3.34 points for 'image of the elderly in the mass media,' 3.03 points for 'presence of the elderly in the community,' and 3.02 points for 'providing education for the elderly' transition of perception.'

The 'Communication and Information' area had the highest score of 3.17 points for 'auditory provision of information', followed by 3.05 points for 'elderly-friendly information on information technology', 3.02 points for 'visual provision of information', and 2.93 points for 'elderly-friendly information'.
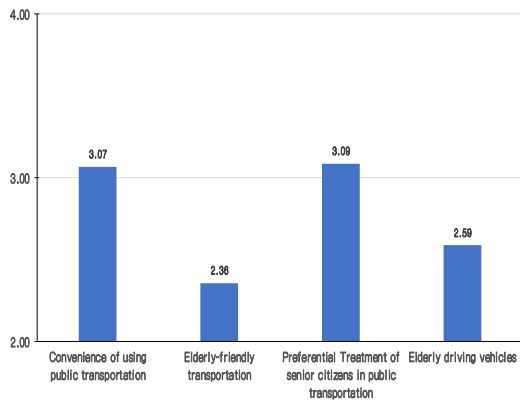
The 'Community Support and Health' area had the highest score of 3.50 points for 'providing health service', followed by 3.20 points for 'emergency measures for the elderly', 3.17 points for 'customized medical welfare', and 2.90 points for 'accessibility of medical and welfare facilities'.
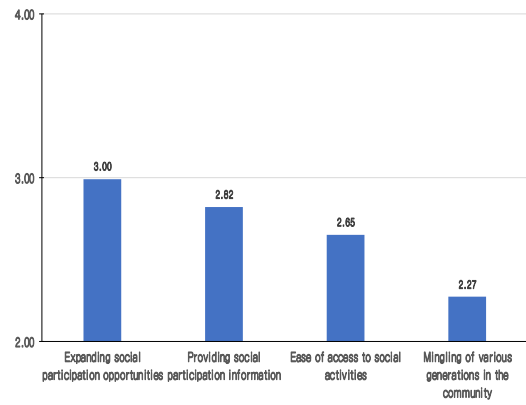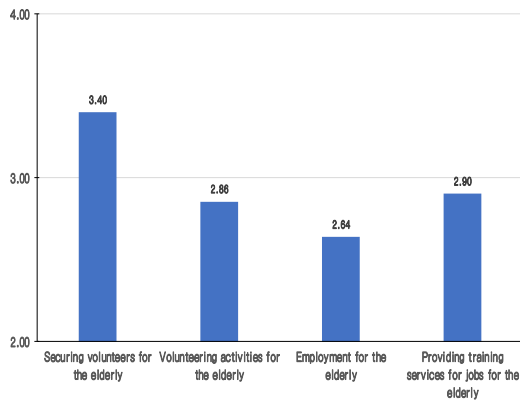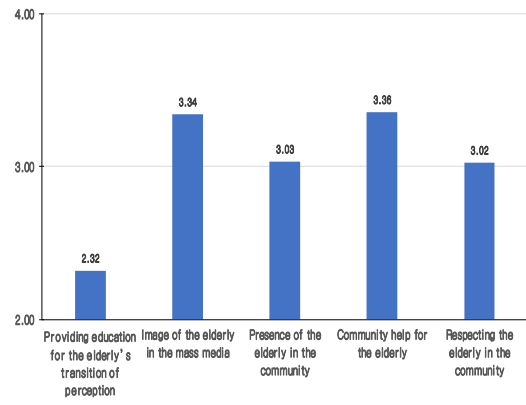
Outdoor Space and Buildings

Category	Value
Sufficient resting facilities	2.96
Walkways	2.89
Crosswalks	2.75
Environmental safety	2.89
Service for senior citizens	2.45
Convenience facilities	2.88
Appropriate public toilets	3.11

Housing

Category	Value
Appropriateness of housing costs	3.13
Elderly-friendly housing structure	2.50
Providing services for housing maintenance	2.91
Elderly-friendly residential environment	3.26
Convenient accessibility.	3.06

Transportation

Category	Value
Convenience of using public transportation	3.07
Elderly-friendly transportation	2.36
Preferential Treatment of senior citizens in public transportation	3.09
Elderly driving vehicles	2.59

Social Parcitipation

Category	Value
Expanding social participation opportunities	3.00
Providing social participation information	2.82
Ease of access to social activities	2.65
Mingling of various generations in the community	2.27

Volunteer Work and Jobs

Category	Value
Securing volunteers for the elderly	3.40
Volunteering activities for the elderly	2.86
Employment for the elderly	2.64
Providing training services for jobs for the elderly	2.90

Social Respect and Consideration

Category	Value
Providing education for the elderly's transition of perception	2.32
Image of the elderly in the mass media	3.34
Presence of the elderly in the community	3.03
Community help for the elderly	3.36
Respecting the elderly in the community	3.02

Communication and Information

Category	Value
Visual provision of information,	3.02
Auditory provision of information	3.17
Elderly-friendly information	2.93
Elderly-friendly information on information technology (computer and internet)	3.05

Community Support and Health

Category	Value
Accessibility of medical and welfare facilities	2.90
Providing health services	3.50
Customized medical welfare	3.17
Emergency measures for the elderly	3.20

▌ [picture 14] Average values of each detail components