

## Results of Age-friendliness Survey

### 1) Purpose of survey

- A survey was conducted to see age-friendliness of people living in Michuhol-gu.

### 2) Survey Periods

- Surveys were conducted for 2 months (from early July to late August), taking into account COVID-19.
- FGI was conducted on June 11<sup>th</sup>, 2021 at Michuhol-gu meeting room. FGI for a female group was started at 4:30 in the afternoon and FGI for a male group was done at 7:30 in the evening.

### 3) Survey Sampling

#### **Sampling**

- General citizens: 219 people in ages 19-29, 30-39, 40-49, 50-59 and 60-64
- Seniors: 421 senior citizens in ages 65-69, 70-79, 80-89
- FGI: 2 Groups (a male/female group of 8 and 10 respectively)

Age-friendliness of Michuhol-gu : Characteristics of seniors

Category		Case	Ratio
■ Total ■		421	100.0
Area	Area 1	104	24.7
	Area 2	101	24.0
	Area 3	111	26.4
	Area 4	105	24.9
Sex	Male	198	47.0
	Female	223	53.0
Age	65~69	149	35.4
	70~79	165	39.2
	80~89	107	25.4
Marital status	Unmarried	0	0.0
	Married	307	72.9
	Divorced	18	4.3
	Bereavement	96	22.8
Final education	No learning	20	4.8
	Elementary school	150	35.9
	Middle school	115	27.5
	High school	120	28.7
	College graduation or higher	13	3.1
Monthly Average Household Income	Less than 2 million won	182	43.2
	2~3.9 million won	239	56.8
	4~5.9 million won	186	45.1
	More than 6 million won	167	40.5

### Age-friendliness of Michuhol-gu : Characteristics of general citizens

Category		Case	Ratio
■ Total ■		219	100.0
Area	Area 1	57	26.0
	Area 2	49	22.4
	Area 3	59	26.9
	Area 4	54	24.7
Sex	Male	112	51.1
	Female	107	48.9
Age	20~29	40	18.3
	30~39	43	19.6
	40~49	46	21.0
	50~59	49	22.4
	60~64	41	18.7
Marital status	Not married	62	28.3
	Married	152	69.4
	Divorced	3	1.4
	Bereavement	2	0.9
Final education	No learning	1	0.5
	Elementary school	2	0.9
	Middle school	9	4.1
	High school	123	56.2
	College graduation or higher	84	38.4
Religion	Have a religion	74	33.8
	Don't have a religion	145	66.2
Monthly average household income	Less than 2 million won	12	5.6
	2~3.9 million won	68	31.9
	4~5.9 million won	109	51.2
	More than 6 million won	24	11.3

### List of FGI participants

NO	Name	Sex	Age	Period of residence	Place of residence	Media frequency
1	Participant 1	Female	20s	1 year 3 months	Juan 1-dong	3-4 times a week
2	Participant 2	Female	20s	20 years	Gwangyo-dong	4 times a week
3	Participant 3	Female	30s	3 years	Sungui 1-3-dong	4 times a week
4	Participant 4	Female	40s	20 years	Yonghyeon 1-4-dong	Almost everyday
5	Participant 5	Female	50s	25 years	Yonghyeon 1-4-dong	5 times a week
6	Participant 6	Female	50s	5 years	Juan 4-dong	Almost everyday
7	Participant 7	Female	60s	10 years	Dohwa 2-dong	Almost everyday
8	Participant 8	Female	60s	More than 50 years	Yonghyeon 3-dong	3-4 times a week
9	Participant 9	Female	70s	10 years	Yonghyeon 2-dong	Almost everyday
10	Participant 10	Female	80s	40 years	Hagik 2-dong	Almost everyday
11	Participant 11	Male	30s	10 years	Dohwa 1-dong	Almost everyday
12	Participant 12	Male	40s	33 years	Juan 8-dong	3-4 times a week
13	Participant 13	Male	50s	7 years	Munhak dong	Almost everyday
14	Participant 14	Male	60s	20 years	Yonghyeon dong	6 times a week
15	Participant 15	Male	60s	4 years	Yonghyeon 5-dong	Almost everyday
16	Participant 16	Male	70s	54 years	Hagik 2-dong	3-4 times a week
17	Participant 17	Male	70s	10 years	Juan 4-dong	Almost everyday
18	Participant 18	Male	80s	20 years	Juan 2-dong	Almost everyday

#### 4) Survey Contents

##### Survey Contents

- Survey questions were prepared to include eight areas suggested by the WHO. Also, additional questions (demographic characteristics) were added to see the age-friendliness of Michuhol-gu.
- In this baseline assessment, results of 8 areas are shown to compare citizens and seniors.

Sector	Contents of survey	No. of questions
Outdoor spaces and buildings	Local cleanliness, accessibility to parks and pedestrian roads, safety management of roads, etc.	10
Transportation	Accessibility of public transportation, convenience of use for seniors, etc.	11
Housing	Michuhol-gu's support and service level, stability of the residential structure, etc,	6
Social participation	Frequency and accessibility of events or festivals, etc.	5
Civic participation and employment	Quantity and quality of volunteer activities, opportunities for seniors to participate, etc.	6
Respect and social inclusion	Collecting opinions of seniors and social compensation, etc.	9
Communication and information	Accessibility of information, convenience of use, etc.	5
Community support and health services	Access to medical and welfare facilities, etc.	6
Demographic characteristics	General citizens: Perceptions on aging, demographic characteristics	11
	Seniors: Living conditions, demand survey, and demographic characteristics	92
Total : General citizens 69 questions, seniors 150 questions		

□ **Survey results on 8 areas**

- The results of survey(219 general citizens and 421 seniors) on 8 areas are as follows:

Survey of age-friendliness in Michuhol-gu : 1. Outdoor spaces and buildings  
(Unit: points, rank, %)

No	Outdoor spaces and buildings	Category	Average (5)	Rank	Positive	Nor mal	Nega tive
1	Our neighborhood is clean and pleasant.	Citizens	3.35	3	0.45	0.42	0.13
		Seniors	3.40	4	0.49	0.41	0.10
2	Our neighborhood has many easy-to-use parks and trails.	Citizens	3.04	6	0.37	0.30	0.33
		Seniors	3.17	6	0.43	0.31	0.26
3	Our neighborhood has many benches that are readily available.	Citizens	2.94	7	0.32	0.32	0.35
		Seniors	2.75	10	0.13	0.53	0.33
4	Our neighborhood has many easy-to-use toilets.	Citizens	2.69	8	0.22	0.34	0.42
		Seniors	2.76	9	0.22	0.39	0.38
5	The sidewalks and roads in our neighborhood are clearly separated and safe.	Citizens	3.38	2	0.49	0.37	0.13
		Seniors	3.56	1	0.59	0.33	0.08
6	The sidewalks are wide enough to carry wheelchairs.	Citizens	3.11	5	0.39	0.32	0.27
		Seniors	3.44	3	0.51	0.38	0.11
7	The crosswalk gives plenty of time to cross.	Citizens	3.50	1	0.52	0.39	0.08
		Seniors	3.53	2	0.54	0.38	0.08
8	Our neighborhood is safe without the risk of crime.	Citizens	3.20	4	0.42	0.39	0.16
		Seniors	3.34	5	0.44	0.42	0.12
9	Public facilities have preferential services such as reception desks for senior citizens.	Citizens	2.63	9	0.21	0.45	0.23
		Seniors	2.90	7	0.26	0.44	0.28
10	Public facilities have enough convenience facilities (safety handlers, etc.) for seniors and the weak.	Citizens	2.63	9	0.24	0.38	0.28
		Seniors	2.87	8	0.24	0.47	0.28

Survey of age-friendliness in Michuhol-gu : 2. Transportation

(Unit: points, rank, %)

No.	Transportation	Category	Average (5)	Rank	Positive	Normal	Negative
1	Access to the bus stop and subway station is convenient.	Citizens	3.55	3	0.61	0.31	0.08
		Seniors	3.60	4	0.66	0.25	0.10
2	It is safe and convenient when using public transportation.	Citizens	3.48	6	0.60	0.26	0.14
		Seniors	3.66	2	0.68	0.24	0.08
3	Time gap between public transportation is constant	Citizens	3.38	9	0.44	0.45	0.11
		Seniors	3.50	8	0.52	0.37	0.11
4	Public transportation is enough to move within Michuhol-gu.	Citizens	3.36	10	0.45	0.42	0.12
		Seniors	3.44	9	0.51	0.37	0.12
5	Bus stations have sufficient facilities to wait for buses comfortably.	Citizens	3.44	8	0.55	0.32	0.11
		Seniors	3.41	10	0.51	0.37	0.12
6	Public transportation routes and timetable are large and visible.	Citizens	3.58	2	0.58	0.33	0.10
		Seniors	3.56	5	0.57	0.33	0.10
7	There are many low-floor buses that are convenient for seniors and the weak.	Citizens	3.05	11	0.33	0.39	0.27
		Seniors	2.97	11	0.30	0.38	0.32
8	It is easy to take a taxi.	Citizens	3.62	1	0.60	0.31	0.09
		Seniors	3.67	1	0.63	0.30	0.07
9	Roads (automobile roads) in our neighborhood are being safely managed.	Citizens	3.51	4	0.55	0.38	0.07
		Seniors	3.55	6	0.60	0.32	0.09
10	Traffic lights and signs are big and visible.	Citizens	3.49	5	0.53	0.38	0.09
		Seniors	3.62	3	0.61	0.31	0.08
11	Our neighborhood's subway is equipped with elevators or escalators.	Citizens	3.47	7	0.51	0.40	0.09
		Seniors	3.54	7	0.55	0.38	0.08

Survey of age-friendliness in Michuhol-gu : 3. Housing

(Unit: points, rank, %)

No	Housing	Category	Average (5)	Rank	Positive	Normal	Negative
1	I can safely and freely move around at my house	Citizens	3.68	2	0.68	0.28	0.04
		Seniors	3.83	1	0.75	0.24	0.02
2	My house has proper facilities such as water supply, toilet, heating, etc.	Citizens	3.78	1	0.72	0.21	0.07
		Seniors	3.74	2	0.72	0.16	0.11
3	Michuhol-gu provides sufficient counseling and services related to housing issues.	Citizens	3.10	5	0.36	0.42	0.19
		Seniors	3.13	6	0.35	0.43	0.20
4	There are many houses in Michuhol-gu considering the convenience of seniors	Citizens	3.07	6	0.30	0.53	0.15
		Seniors	3.16	5	0.31	0.55	0.14
5	Our neighborhood has various types of public and private rental housing.	Citizens	3.22	4	0.40	0.42	0.16
		Seniors	3.26	4	0.40	0.44	0.14
6	Our neighborhood has convenience facilities nearby(hospital, health center, pharmacy, supermarket, etc.)	Citizens	3.61	3	0.60	0.29	0.11
		Seniors	3.57	3	0.58	0.30	0.12



Survey of age-friendliness in Michuhol-gu : 4. Social participation

(Unit: points, rank, %)

No	Social participation	Category	Average (5)	Rank	Positi ve	Nor mal	Nega tive
1	There are many events and things to see in our neighborhood.	Citizens	2.67	5	0.22	0.41	0.28
		Seniors	2.62	5	0.18	0.43	0.33
2	Michuhol-gu sufficiently provides seniors with information about events.	Citizens	2.73	4	0.24	0.37	0.32
		Seniors	2.62	4	0.21	0.39	0.33
3	Michuhol-gu has enough leisure facilities(senior welfare center, fitness facilities, etc.).	Citizens	2.93	3	0.26	0.49	0.21
		Seniors	2.80	2	0.28	0.38	0.30
4	Michuhol-gu has many good programs and activities that seniors can participate	Citizens	2.94	2	0.28	0.47	0.19
		Seniors	2.79	3	0.26	0.41	0.28
5	Mobile services are provided for seniors or the disabled who have difficulty moving around.	Citizens	3.10	1	0.45	0.32	0.18
		Seniors	2.95	1	0.38	0.30	0.27

Survey of age-friendliness in Michuhol-gu : 5. Respect and social inclusion

(Unit: points, rank, %)

No	Respect and social inclusion	Category	Average (5)	Rank	Positive	Normal	Negative
1	Michuhol-gu tries to listen to seniors' opinions	Citizens	3.07	4	0.32	0.48	0.17
		Seniors	3.12	3	0.37	0.43	0.19
2	People who provide services to seniors in Michuhol-gu are polite	Citizens	3.26	2	0.44	0.39	0.14
		Seniors	3.29	2	0.52	0.25	0.21
3	Citizens at Michuhol-gu respect seniors and behave politely.	Citizens	3.36	1	0.56	0.25	0.16
		Seniors	3.31	1	0.56	0.22	0.19
4	There are many chances for seniors to pass on their knowledge and experiences to younger generation as advisors.	Citizens	3.07	4	0.36	0.43	0.17
		Seniors	3.04	4	0.36	0.38	0.22
5	Michuhol-gu tries to build a positive image of seniors.	Citizens	2.95	6	0.28	0.47	0.20
		Seniors	3.02	5	0.33	0.40	0.24
6	Michuhol-gu provides education to improve awareness toward seniors for generation integration.	Citizens	2.78	9	0.21	0.44	0.29
		Seniors	2.78	8	0.22	0.43	0.33
7	Michuhol-gu provides education to understand the physical and emotional changes at old age.	Citizens	2.85	7	0.26	0.45	0.24
		Seniors	2.84	7	0.24	0.44	0.29
8	Michuhol-gu has many events and programs that many generations can participate together.	Citizens	2.83	8	0.27	0.41	0.26
		Seniors	2.71	9	0.24	0.38	0.33
9	Michuhol-gu provides appropriate supports to seniors in need.	Citizens	3.07	3	0.43	0.29	0.24
		Seniors	2.96	6	0.37	0.31	0.29

Survey of age-friendliness in Michuhol-gu :

6. Civic participation and employment

(Unit: points, rank, %)

No	Civic participation and employment	Category	Average (5)	Rank	Positive	Normal	Negative
1	There are many volunteer activities that seniors can participate in Michuhol-gu.	Citizens	2.88	3	0.27	0.45	0.21
		Seniors	2.86	2	0.24	0.48	0.25
2	Volunteer institutions in Michuhol-gu consider seniors' characteristics.	Citizens	2.89	2	0.31	0.42	0.21
		Seniors	2.75	3	0.26	0.41	0.28
3	Michuhol-gu has sufficient and proper jobs for seniors.	Citizens	3.04	1	0.44	0.29	0.22
		Seniors	2.89	1	0.37	0.30	0.27
4	Michuhol-gu has many education and service institutions for employment and re-employment.	Citizens	2.79	6	0.23	0.48	0.22
		Seniors	2.69	5	0.23	0.41	0.28
5	Michuhol-gu has many education and service institutions for start-ups.	Citizens	2.81	5	0.25	0.43	0.26
		Seniors	2.74	4	0.26	0.40	0.26
6	Companies in Michuhol-gu provide many jobs suitable for seniors.	Citizens	2.84	4	0.38	0.29	0.23
		Seniors	2.68	6	0.28	0.32	0.33

Survey of age-friendliness in Michuhol-gu :

7. Communication and information

(Unit: points, rank, %)

No	Communication and information	Category	Average (5)	Rank	Positive	Normal	Negative
1	It is easy and convenient to access various information necessary for daily lives in Michuhol-gu.	Citizens	3.19	2	0.35	0.47	0.19
		Seniors	3.08	3	0.34	0.43	0.22
2	Public facilities at Michuhol-gu use notice boards with large words and visible colors.	Citizens	3.21	1	0.39	0.40	0.21
		Seniors	3.13	1	0.40	0.34	0.25
3	Public facilities at Michuhol-gu use words that are easy for seniors to understand.	Citizens	3.17	3	0.39	0.38	0.21
		Seniors	3.11	2	0.34	0.44	0.20
4	Local information magazines and broadcasting in Michuhol-gu reflect the contents that seniors are interested in.	Citizens	3.00	4	0.29	0.52	0.15
		Seniors	3.00	4	0.30	0.44	0.24
5	Michuhol-gu provides education on computers and smartphones.	Citizens	2.87	5	0.30	0.42	0.22
		Seniors	2.80	5	0.23	0.45	0.28

Survey of age-friendliness in Michuhol-gu :  
 8. Community support and health services

(Unit: points, rank, %)

No	Community support and health services	Category	Average (5)	Rank	Positive	Normal	Negative
1	Our neighborhood has many medical facilities (hospitals, clinics, health centers) and welfare facilities.	Citizens	3.40	1	0.52	0.37	0.11
		Seniors	3.38	1	0.52	0.33	0.14
2	Our neighborhood is close to medical facilities (hospitals, clinics, health centers) and welfare facilities.	Citizens	3.29	2	0.51	0.28	0.20
		Seniors	3.32	2	0.54	0.24	0.21
3	The procedures for using the medical and welfare facilities in our neighborhood are simple.	Citizens	3.25	3	0.39	0.46	0.15
		Seniors	3.22	3	0.41	0.40	0.17
4	There are many chances to use health education and fitness classes, etc. in Michuhol-gu.	Citizens	2.89	5	0.22	0.53	0.22
		Seniors	2.97	4	0.25	0.50	0.22
5	It is easy to get information about medical facilities in Michuhol-gu.	Citizens	2.91	4	0.27	0.45	0.23
		Seniors	2.82	6	0.22	0.44	0.32
6	People can receive appropriate services in Michuhol-gu when they need cares due to health problems.	Citizens	2.88	6	0.32	0.37	0.25
		Seniors	2.90	5	0.28	0.41	0.29