



**부천시**

# **The Evaluation Report**

**The 1<sup>st</sup> Action Plan for  
Age-Friendly City Bucheon  
(2018~2020)**

**2021. 8.**

# Implementation Results of Age-friendly City Bucheon (Phase 1: 2018–2020)

## 1. Age-Friendly Bucheon Survey

### 1) Overview of the survey

- In 2021, when the first phase project (2018–2020) was completed, a survey was conducted to evaluate the age-friendly level of older adults in Bucheon.
- The target of the survey was 1,000 adults aged 60 and over living in Bucheon, and a sampling plan was prepared and conducted to be sampled in consideration of the area and age group. (By checking the response status of the questionnaire, a total of 893 questionnaire data were coded except for the questionnaires that showed insincere responses. Finally, a total of 893 responses (89.3% response rate) among 1,000 older adults were used for data analysis.)
- The survey items consisted of a survey on the current status of older adults related to an age-friendly city and an evaluation of the emotional level of older adults.
- Considering the main routes of movement for older adults amid the spread of COVID-19, 10 local community centers, 3 senior welfare centers, senior clubs, and 3 branches of the Korean Senior Association (Wonmi, Ojeong, Sosa Branches) were asked for the cooperation of the survey. (The survey method included a face-to-face interview method and a self-written survey method.)

### 2) Compare the survey results between 2018 and 2021

- Comparing the results of the first (2018) and second (2021) surveys on age-friendliness in Bucheon, the results are as follows.

WHO' s 8 Guidelines	2018 Average	2021 Average	Differences
Civic participation and employment	2.84	3.05	<b>0.21</b> ↑
Community support and health services	3.26	3.22	0.04 ↓
Social participation	3.13	2.84	0.29 ↓
Respect and social inclusion	3.00	2.89	0.11 ↓
Communication and information	3.21	3.18	0.03 ↓
Outdoor spaces and buildings	3.32	3.12	0.2 ↓
Transportation	3.07	3.12	<b>0.05</b> ↑
Housing	3.04	2.82	0.22 ↓
<b>Total</b>	3.11	3.03	<b>0.08</b> ↓

(5 point Likert Scale: 1=Not at all ~ 5: Totally)

- In 2021 results 'Community support and health service' , 'Communication and information', 'Outdoor spaces and buildings', 'Transportation', 'Civic participation and employment', 'Respect and social inclusion', 'Social participation', and 'Housing' evaluated positively.
- 'Community support and health service', which received the most positive evaluation, scored a moderate level of 3.22, and as of 2021, the overall age-friendly level of Bucheon was evaluated as not high.
- The age-friendliness level for all 8 areas was 3.11 points in 2018 and 3.03 points in 2021, with a difference of about 0.08 points. As described above, the overall level of age-friendliness in Bucheon in 2021 is shown as an 'average level' .
- Out of 8 areas, the areas that have improved compared to 2018 are two areas: volunteer activities, jobs (0.21 points increase), and transportation (0.05 points increase). The other 6 areas showed slightly lower scores compared to 2018.
- In the 2021 survey, the researchers first revised and supplemented the contents of the 2018 survey to secure the validity of the survey questions, and secondly performed the validation procedure for relevant stakeholders such as public officials.

### 3) Suggestions based on the 2<sup>nd</sup> survey results

- Based on the survey results, the detailed improvement contents for each of the 8 age-friendly areas suggested by the WHO are summarized as follows.
- Outdoor spaces and buildings
  - The need to create an age-friendly environment such as a separate waiting list or reception desk for older adults was confirmed
- Housing
  - The need for improvement of the internal environment was confirmed because the internal environment (eg, safety facilities, etc.) of the current house is not age-friendly.
- Communication and information
  - Improvements such as strengthening IT education for the older adults who are relatively incapable of using information technology such as the Internet access are necessary.
- Transportation
  - It is necessary to improve the public's consideration and awareness of older adults drivers, such as the spread of silver mark awareness.
- Community support and health services
  - Older Alzheimer's disease patients need support due to poor access to health-related information and use
- 'Social participation' & 'Respect and social inclusion'
  - The need for expansion of policies and programs to promote exchanges between the older and younger generations was identified in common.
- Civic participation and employment
  - A support policy is needed to expand opportunities for vocational education to be linked to actual employment and employmen

#### 4) Discussions

- As a result of comparison with the results of the first survey in 2018, it can be seen that the age-friendly level in 2021 is generally lower than in the past.
- Among the eight areas, two areas improved compared to 2018: ‘Civic participation and employment’ (0.21 points increase), and ‘transportation’ (0.05 points increase).
- These numerical changes can be attributed to the following reasons.
  - the difference in questions between the 1st and 2nd surveys
  - The 2021 survey is conducted under the special circumstances of the spread of Covid-19. There is a possibility that factors such as social activity restrictions of older adults and improved feelings of loneliness and depression may have had an effect.
- It can be positively evaluated that ‘Civic participation and employment’ were higher than in the first period.

## 2. Age-Friendly Bucheon project performance (2018–2020)

### 1) Overall review of budget management

- Despite the spread of COVID-19 in Bucheon, the overall project budget execution amount and business performance increased during the first phase of the project to create an age-friendly city.
- Due to the spread of COVID-19, there were difficulties in carrying out health promotion-related projects, education projects, campaigns, and consulting
  - Some projects were switched to non-face-to-face, but there were limits to their progress as they were aimed at the elderly who are vulnerable to COVID-19.
- In the environmental sector, facility-related projects and transportation project, which are relatively less affected by COVID-19, projects’ progress tends to be relatively

normal, so budget execution has increased.

- The project to provide job opportunity in 'Civic participation and employment' has been actively carried out as the economic difficulties of older adults accelerated, resulting in an increase in project budget execution and performance.

## **2) Evaluate the achievement of goals in each of the 8 sub-areas**

- In the area of 'Civic participation and employment', the age-friendly city plan was carried out centered on two projects and two indicators, and overall project performance exceeded the plan.
  - In the 'job opportunity expansion program for older adults', the number of participants increased from 3,873 in 2018 to 5,143 in 2020. In the 'Life Cycle-Based Volunteer Program', four groups were operated, and the number of participants increased significantly to 199 in 2018 and 236 in 2020.
- In the area of 'Community support and health services', the age-friendly city plan was implemented centered on 6 projects and 13 indicators, but there were difficulties in implementing the project due to the spread of COVID-19.
  - In the 'Providing High-Quality Nursing Services Project', there were achievements such as enacting an ordinance to improve the treatment of long-term care workers.
  - The 'Silver Human Rights Guard' (15 people) project at welfare facilities continued in 2018 and 2019, but was not implemented in 2020 due to the COVID-19 situation.
  - The 'Public Health Facility Infrastructure Construction Project by Health Demand' installed three dementia relief centers by region and showed results such as expanding two additional 100-year-old health rooms, but other projects could not be carried out.
- In 'Social Participation', business performance is generally increasing, but some businesses in 2020 are performing poorly due to the impact of COVID-19. In the 'Citizen-Centered Sports Facility Expansion Project', the budget for 2019 has increased significantly by achieving all three indicators: the establishment of a

swimming pool at the Bucheon National Sports Center, the installation of an outdoor badminton court in Ojeongdae Park, and the installation of a shade screen at the Sol-Ahn Park gate ball court.

- In ‘Respect and social inclusion’, two projects and four indicators were used to build an age-friendly city, and some projects had difficulties in 2020 due to the impact of COVID-19.
  - The ‘100-year-old filial piety and happiness city Bucheon Project’ was held once in 2018 and 2019, but it was not held in 2020 due to the impact of COVID-19. The committee was operated once from 2018 to 2020.
  - During the ‘Creating a society where older adults are happy and respected’ project, a letter contest for older adults was conducted only from 2018 to 2019, and the ceremony to celebrate the day of older adults was held from 2018 to 2020.
- In ‘Communication and information’, an age-friendly city plan was implemented centered on 3 projects and 7 indicators, and the amount of budget execution showed an overall trend of increasing.
  - Overall, the ‘age-friendly public library service operation project’ proceeded smoothly. The project goals were achieved by providing an age-friendly space, operating an age-friendly cultural program, and creating a reading environment for older adults. ‘Providing job opportunity for older adults’ has poor performance in 2020 due to the impact of COVID-19
- In the ‘Outdoor spaces and buildings’ area, the age-friendly city plan was carried out centered on 7 projects and 7 indicators, and the overall project performance exceeded the target.
  - The goals were achieved in the improvement of sidewalk environment, improvement of park facilities where people can enjoy safely, survey and management of public toilets, installation of various convenience facilities in city hall and community centers, and installation and management of publicity facilities.
  - ‘The leisure green space creation’ project was completed once in 2018, and the

establishment of the '2035 Bucheon City Basic Plan' has been delayed.

- In the 'Transportation' area, the age-friendly city plan was carried out centered on 8 projects and 12 indicators, and the budget for 2020 increased by about 191.4% compared to 2018.
  - Installation and management of autonomous guard seats, tour training for transport workers, operation of special means of transportation, expansion of introduction of low-floor buses, maintenance and management of transportation facilities, management of bus stops, designation and management of protection zones for the elderly and disabled achieve the planned goals.
  - Safety driving campaign, bicycle traffic accident prevention education, traffic safety education for older adults 65 years and older, and the campaign to consider older adults driver were unable to proceed with the business due to the impact of COVID-19.
  
- In the 'Housing' area, the construction of an age-friendly city was carried out centered on one project and two indicators, and the budget for 2020 increased by about 140.6% compared to 2018.
  - Looking at the amount of budget execution, the overall budget for the maintenance of 50 or more common housing common facilities and 40 consulting support for the project to create a safe and comfortable housing environment is increasing.
  - Looking at the business performance, the maintenance of public facilities in apartment buildings is gradually increasing, achieving more than 50 cases between 2018 and 2020 to create a safe and comfortable housing environment, but consulting support did not achieve the target of 40 cases due to COVID-19.

### **3. Age-friendly Practice in Bucheon (Area: Community Support and Health Services)**

- 1) Preemptive response in COVID-19 infection prevention for older adults in Bucheon
  - Bucheon City conducts a weekly preemptive test (PCR) for workers and users of



high-risk medical welfare facilities (for older adults) to prevent COVID-19 infectious disease among older adults. It prioritizes vaccination against COVID-19. Bucheon City is actively responding to COVID-19 infection prevention among older adults.

- (Target) 185 medical welfare facilities (for older adults), 3,500 workers and users
- (Main Directions) weekly COVID-19 preemptive test (PCR) and vaccination



weekly COVID-19 preemptive test (PCR)



weekly COVID-19 preemptive test (PCR)



COVID-19 Vaccination



COVID-19 Vaccination

## 2) Depression Management Program for Older Adults

- The prevalence of depression in Korean older adults was 6.2%, and 21.1% of older adults had depression symptoms. Older adults with high levels of depression tend to have high suicidal thoughts, and the suicide rate of older adults in Korea is the

highest among OECD countries. (Source: 2017 National Survey of Korean Older Adults)

- Additionally, due to the spread of COVID-19, facilities such as “Senior Welfare Centers” and “Senior Centers” are closed, and depression is increasing in older adults as they are having difficulty going out.
- Accordingly, Bucheon City implemented an in-depth evaluation of older adults at high risk of depression, connection with case management services, as well as depression management and suicide prevention programs through community networks.
  - (Main Directions) Early discovery and in-depth evaluation of depressed older adults in high-risk groups, providing individual case management services and depression prevention programs, linking treatment with psychiatric medicine and support for treatment costs, mental health education, activation of an integrated care network for older adults in the local community

< Performance of Depression Management Program for Older Adults in 2020 >

Year	Operational performance	Actions
2020	137 cases	Counseling, programs, education, etc.



Depression Management Program



Care Farm Program