



# Development of a Seoul-Type Housing Service Model for People With a Mental Illness

Sung Joon Cho<sup>1,2</sup>, Ung Lee<sup>1</sup>, You Ra Oh<sup>3</sup>, Hwo Yeon Seo<sup>4,5</sup>,  
Seung Yeon Lee<sup>6</sup>, Yeon Jung Cho<sup>6</sup>, Hae Woo Lee<sup>6,7</sup> ✉, and Jee Hoon Sohn<sup>8</sup> ✉

<sup>1</sup>Department of Psychiatry, Kangbuk Samsung Hospital, Sungkyunkwan University School of Medicine, Seoul, Republic of Korea

<sup>2</sup>Workplace Mental Health Institute, Kangbuk Samsung Hospital, Seoul, Republic of Korea

<sup>3</sup>Yonsei University, Graduate School of Social Welfare, Seoul, Republic of Korea

<sup>4</sup>Institute of Public Health and Medical Service, Seoul National University Hospital, Seoul, Republic of Korea

<sup>5</sup>Jongno-gu Community Mental Health Welfare Center, Seoul, Republic of Korea

<sup>6</sup>Seoul Mental Health Welfare Center, Seoul, Republic of Korea

<sup>7</sup>Department of Psychiatry, Seoul Medical Center, Seoul, Republic of Korea

<sup>8</sup>Department of Psychiatry, Seoul National University Hospital, Seoul National University College of Medicine, Seoul, Republic of Korea

**Objective** To establish and to promote the qualitative development of a housing service model in South Korea.

**Methods** The questionnaire was collected through the housing needs survey and the focus group interview on the mental health professions. We enrolled 365 subjects from 63 places (community conversion facilities, cohabitation, cohabitation families, hospitals, psychiatric nursing homes) to answer the questionnaires.

**Results** The survey result confirms the needs of people with a mental illness to be self-reliant, but it shows that the economic vulnerability is a hindrance. In addition, the most necessary factor for self-reliant living is to provide services that support daily living. Therefore, the study points out that a system that guarantees self-reliance must be added in order for the housing services to be distributed throughout local communities for the people with mental illness.

**Conclusion** The study proposes the Seoul-type housing services model to replace the housing services that functions in a fragmented manner with the provision of an integrated services through a unified channel by establishing a housing support center (tentative name). This will ultimately help people with a mental illness to live a healthy life that meets their needs as community members.

**Psychiatry Investig 2022;19(6):403-410**

**Keywords** Seoul-type housing; Housing; Mental disorders; Psychiatric service.

## INTRODUCTION

The Seoul Mental Health Welfare Center (SMHWC) was established in 2005 as the first wide area facility in South Korea to protect the community of the people with mental ill-

**Received:** October 1, 2021 **Revised:** January 20, 2022

**Accepted:** February 21, 2022

✉ **Correspondence:** Hae Woo Lee, MD

Department of Psychiatry, Seoul Medical Center, 156 Sinnae-ro, Jungnang-gu, Seoul 02053, Republic of Korea

**Tel:** +82-2-2276-8630, **Fax:** +82-2-2276-8504, **E-mail:** hwlee1225@gmail.com

✉ **Correspondence:** Jee Hoon Sohn, MD, PhD

Department of Psychiatry, Seoul National University Hospital, Seoul National University College of Medicine, 103 Deahak-ro, Jongno-gu, Seoul 03080, Republic of Korea

**Tel:** +82-2-2072-1987, **Fax:** +82-2-744-7241, **E-mail:** eliarde@naver.com

© This is an Open Access article distributed under the terms of the Creative Commons Attribution Non-Commercial License (<https://creativecommons.org/licenses/by-nc/4.0>) which permits unrestricted non-commercial use, distribution, and reproduction in any medium, provided the original work is properly cited.

ness. In order to improve the life quality of the people with a mental illness in the community, many projects have been carried out in a wide range of fields from mental health promotion to the management of serious mental illnesses. Recently, as the housing service adapted to the needs of the people with mental illness has become the biggest topic, the SMHWC is operating the self-reliant support housing service. Unlike existing housing facilities, the subjects are guaranteed to have independent living, and two people share the house, in which each subject has his or her own room. The case managers and self-reliant supporters provide intensive case management services.

In the past, facilities, such as hospitals and family members were mainly responsible for protecting the people with mental illness. This tendency has turned into de-institutionalization all around the world. The need for community care for

the people with mental illness has risen in South Korea since the 1990s, and housing service facilities in communities have begun to settle along with the enactment of the law on community protection. Nevertheless, the number of facilities that provide housing services in the community is still limited. The way that those facilities have exclusively focused on quantitative growth appears to be facing some challenges.

Therefore, the problem of long-term admission to a hospital continues despite the fact that the services have been provided in their community.<sup>1-3</sup> In addition, although there are various types of facilities that provide housing services, it has been pointed out that it is provider-oriented.<sup>4-6</sup> In this regard, without an integrated system, the people with a mental illness is often neglected when it comes to choosing a housing service.<sup>7-9</sup>

On the other hand, in some other countries, the housing services differ from the fragmented ones in South Korea in that it provides integrated services through a unified channel. And there is a type of housing service called 'Supported Housing,' which allows the community to live independently in a desired location and receive necessary services. Such a service has been provided through an integrated management centering on the request of the parties. Along the same line, there has been a tendency to reflect on the needs of people with a mental illness in South Korea.<sup>9-12</sup> Various types of hous-

ing services, such as community conversion facilities, cohabitation, cohabitation families, hospitals and psychiatric nursing homes, began to be provided, and related studies began to be conducted.

Thus, in this study, the SMHWC investigated the needs of the people with a mental illness and conducted the focus group interview (FGI) on the mental health professions, and based on the results of the study, it is intended to improve the qualitative aspect of the housing services by proposing the Seoul-type housing service model for the people with a mental illness. This will ultimately allow the housing services to function efficiently in helping the parties to live a healthy life with stable housing in their community.

## METHODS

The study was designed by the SMHWC to identify the current status and the future direction of the housing services by examining the needs of people with mental illness for the housing services and by conducting the FGI on a group of academics and field experts related to mental health.

The questionnaire on the needs of the people with a mental illness for the housing services was filled by those who were directly involved. The subjects were those who are currently treated at mental health facilities in Seoul. Table 1 shows the

**Table 1.** Types of facilities that provides housing services in Seoul

Type	Community conversion facility	Rehabilitation facility for addicts	Cohabitation	Independent living cohabitation
Definition	A shelter in between hospitals and communities (residences) where people who are discharged from the hospital or are unable to adapt to the community stay with experts for 24 hours to be helped with returning to their daily lives	For those who have an addiction to alcohol, drugs and gambling to live together with the will of recovery and rehabilitation	For those who do not have difficulties in daily living but need housing before independence so they can continue with daily living and enjoy leisure	For those having a hard time in adjusting to the independent housing after leaving the cohabitation
Subject	1) Those who need special aid for mental health improvement and daily living after being discharged from the hospital 2) Those who need help from experts for their mental health and experience difficulties in daily living while living in the community	1) Those who want to treat their addiction to the use of substances such as alcohol	1) Those who attend mental health welfare centers, mental rehabilitation facilities or work during the daytime 2) Those who have no difficulty in daily living such as taking medicine and hygienic care	1) Those who are qualified and scheduled to leave the cohabitation 2) Those who are working or currently taking time off and are eligible for re-employment within 6 months 3) Those who need help with a specific plan for the independent housing
Period	A maximum of 6 months (3 months for a minimum contract)	A maximum of 3 years (1 year for a minimum contract)	A maximum of 3 years (1 year for a minimum contract)	A maximum of 5 years (1 year for a minimum contract)

type of facilities that provide housing services. The questionnaire was collected from 63 places. There were 365 subjects in total, 50 from community conversion facilities, 195 from cohabitations, 36 from cohabitations for addicts, 55 from hospitals, and 29 from psychiatric nursing homes. The questionnaire consisted of four main areas: personal information, daily living, housing services, and self-reliant living support services.

The questionnaires from ‘A Survey on the Status of Independent Living in Persons with Severe Disabilities in Seoul in 2017’,<sup>13</sup> ‘A Survey on the Needs of People with Mental Illness Using Facilities for the Disabled in Jeonju City and Investigation on De-facilitation for Supporting Independent Living’,<sup>14</sup> ‘Residential Service Needs and Related Factors among the Mentally Ill Clients’<sup>15</sup> were revised and supplemented to use in our study. Although the term, “independent support service” was initially used at the time of designing this study, it was decided that the corresponding project run by the SMH-WC uses the unified term, “self-reliant living support services,” so we replaced the term “independence” with “self-reliance.” As the name, ‘dorm-type cohabitation,’ was changed to the ‘independent living cohabitation’ by the ‘2018 Guide for Seoul Mental Health Business,’ ‘independent living cohabitation’ was used in this study.

Also, the mental health profession group for FGI was selected as shown below in Table 2, and three sessions were held in total for two hours per session. As for the FGI, subjects were given with questions such as “What is the role of the housing service?” along with a discussion on “the problems of current housing services and its future direction.” The meeting lasted approximately for two hours per session, and all were recorded and agreed in advance.

## RESULTS

The results are as follows in order of the investigation on the needs of the housing services for people with a mental illness, the FGI analysis, and the plan for the housing service model for people with a mental illness.

First of all, as listed in Table 3, the male/female ratio was bal-

anced for the personal information area. Subjects in their 40s to 50s accounted for 60%, and unmarried (70.14%) was predominately high. Also, the highest principal diagnosis was schizophrenia (63.84%) and the main guardians were mostly parents (37.26%).

In the area of daily living, it was found that the people with a plan (67.12%) after leaving their current facility was about twice that of people who do not have any plan (29.86%). The biggest reason for not having any plan for housing appeared to be due to not having any registered residence (46.79%) (Table 4).

As for the housing service area, ‘Not very well’ accounted for 53.15% and ‘Quite well’ accounted for 13.70% in comparison to ‘Roughly’ when asked about the their rate of awareness on the facilities that provide housing services.

Lastly, with regards to the area of self-reliant living support services, those who have needs for self-reliant living (75.34%) was significantly higher than those who do not (11.23%), and the biggest obstacle to planning for self-reliant living was found to be financial conditions (41.37%) (Table 5).

Then, with the outcome of the FGI, the current status and future direction of the housing services for people with a mental illness were observed. The problems with the housing services as discussed in the FGI are as follows.

*“What do you think are the key roles and functions of the housing services? The housing services help people who lack the skills required for daily living alone so that they become accustomed to those skills. They begin with simple skills such as locking the gas valve, opening the door, and using public transportation. We intentionally make them do so since they don’t have those skills. Those skills must become second nature to them so that they feel at home with a similar environment as the facility. This is how people with a mental illness become self-reliant (Expert 6).”*

*“Housing services in South Korea do not help those with a mental illness to improve themselves to the next step. Instead of aiming at self-reliance, their goal is to make them adapt to the facility that they are currently using. So, is it really that the self-reliance of the mentally disabled people is the ultimate purpose*

**Table 2.** Moderators’ information of the focused group interview

Subject	Sex	Age	Education	Major	Position
Expert 1	Female	50s	Doctoral	Nursing	Professor
Expert 2	Female	40s	Doctoral	Social welfare	Professor
Expert 3	Male	30s	Completion of doctoral coursework	Medical	Center director
Expert 4	Female	40s	Master’s	Social welfare	Standing team leader
Expert 5	Female	30s	Master’s	Social welfare	Team leader
Expert 6	Female	40s	Master’s	Nursing	Director of cohabitation
Expert 7	Male	50s	Master’s	Social welfare	Director of a complexes

**Table 3.** Demographic data of participants (N=365)

Characteristic	Frequency/ N (%)
<b>Sex</b>	
Male	187 (51.23)
Female	176 (48.22)
Missing value	2 (0.55)
<b>Age</b>	
10 to 19	2 (0.55)
20 to 29	37 (10.14)
30 to 39	55 (15.07)
40 to 49	115 (31.51)
50 to 59	108 (29.59)
60 to 69	42 (11.51)
70 to 79	2 (0.55)
Missing value	4 (1.10)
<b>Principal diagnosis</b>	
Schizophrenia	232 (63.84)
Co-occurring disorder (more than one psychiatric disorder)	40 (10.96)
Bipolar disorder	24 (6.58)
Depression	18 (4.93)
Bipolar affective disorder	12 (3.29)
Personality disorder	4 (1.10)
Other	12 (3.29)
Unknown	14 (3.84)
Missing value	9 (2.47)
<b>Marital status</b>	
Single	256 (70.14)
Divorced	66 (18.08)
Married	20 (5.48)
Separation	8 (2.19)
Bereavement	6 (1.64)
Living together	4 (1.10)
Digamy	1 (0.27)
Missing value	4 (1.10)
<b>Main guardian</b>	
Parents	136 (37.26)
Siblings or their spouses	116 (31.78)
Children	19 (5.21)
Relatives	11 (3.01)
Spouse	9 (2.47)
Grandparents	3 (0.82)
Other	60 (16.44)
Missing value	11 (3.01)

**Table 4.** Reasons for not having any plan for housing after leaving the current facility (N=109)

Reason	Frequency/ N (%)
No registered residence	51 (46.79)
Opposition from family and people around in spite of his or her desire to return home	23 (21.10)
Fear of adaption to the community after leaving the hospital or facility	12 (11.01)
Other	19 (17.43)
Missing value	4 (3.67)

**Table 5.** Discouraging factors and necessary services for self-reliant living (N=365)

Factor	Frequency/N (%)
<b>Discouraging factors for self-reliant living</b>	
Financial conditions	151 (41.37)
Access to the information	43 (11.78)
Opposition from family	38 (10.41)
Finding a residence	29 (7.95)
Finding a roommate	21 (5.75)
Other	20 (5.48)
Missing value	63 (17.26)
<b>Services needed for self-reliant living</b>	
Daily living	78 (21.37)
Health care	71 (19.45)
Housing assistance and housekeeping management	66 (18.08)
Financial management	54 (14.79)
Job searching	44 (12.05)
Social skills	35 (9.59)
Leisure life	11 (3.01)
Other	0 (0.00)
Missing value	6 (1.64)

of the housing services? (Expert 2).”

“Actually that’s the problem. We evaluate from the perspective of the supplier. We say that the subject cannot use some of the housing services because he or she does not have the basic skills that are required. But is that really a problem? If we offer a sufficient service, could there be a housing service he or she cannot use? We have to consider this too (Expert 2).”

“This has been an issue for a while. There are different types of facilities that provide housing services, but each type does not function properly. I think it is more urgent to reestablish the roles among the existing facilities than to diversify the types further (Expert 1, Expert 7).”

Thus, the provider-oriented service and service segmentation appear to be the most noticeable problems confronted by the housing services for people with a mental illness in South Korea. The segmentation of the housing services indicates that the original role of the housing services, which is to promote self-reliant living in the community by acquiring the skills to manage daily living, is not working properly due to the fact that the role of each facility is not clearly established. Therefore, there is a concern that the housing services might mean nothing more than an ‘accommodation’ to the people with a mental illness. Furthermore, the provider-oriented services only means providing services that suit the current conditions of the parties rather than services tailored to their needs.

The future direction of the housing services for people with a mental illness for such matter was discussed as follows.

*“To provide housing services tailored to the needs of people with a mental illness in our country, we desperately need an option for supportive housing. The types of facilities available now have the basic form of cohabitation. But there are people who prefer a private life. We need to reflect such a desire (Expert 2).”*

*“Now that the housing services are working separately, having a housing support center to build the system will surely add some efficiency (Expert 1).”*

*“In advanced countries, the housing service center has a binary system. It works in a way that separates housing management from providing services for case management. A binary system like this can be easily found (Expert 2).”*

*“Then you need some serious thinking on the matter. Would this binary system for a housing support center work well in South Korea? I think it’s okay for the housing support center to function as a control tower. If the parties express their needs to the center, they can assess and evaluate those needs to help in choosing a housing service that meets the needs of the parties and maybe also provide them with services for case management (Expert 3).”*

In sum, the future direction for the housing services is suggested as follows. First of all, it should be taken under consideration to add a new type of housing service, called ‘supportive housing’ to guarantee self-reliant living that meets the needs of the parties. This will provide services tailored to the needs rather than the somewhat limited housing service option to date. Moreover, a housing service system should be established to prevent the segmentation of the housing service. The housing support center (tentative name) would enable reestablishing roles and functions for each type of hous-

ing service and so help the parties to choose their desired services according to such information.

This could be a breakthrough to regulate the segmentation among services, the ambiguity of roles and functions, and the provider-oriented services. Although the specific system and details require further discussion, it is necessary to consider such aspects in terms of the efficiency for the providers and effectiveness for consumers.

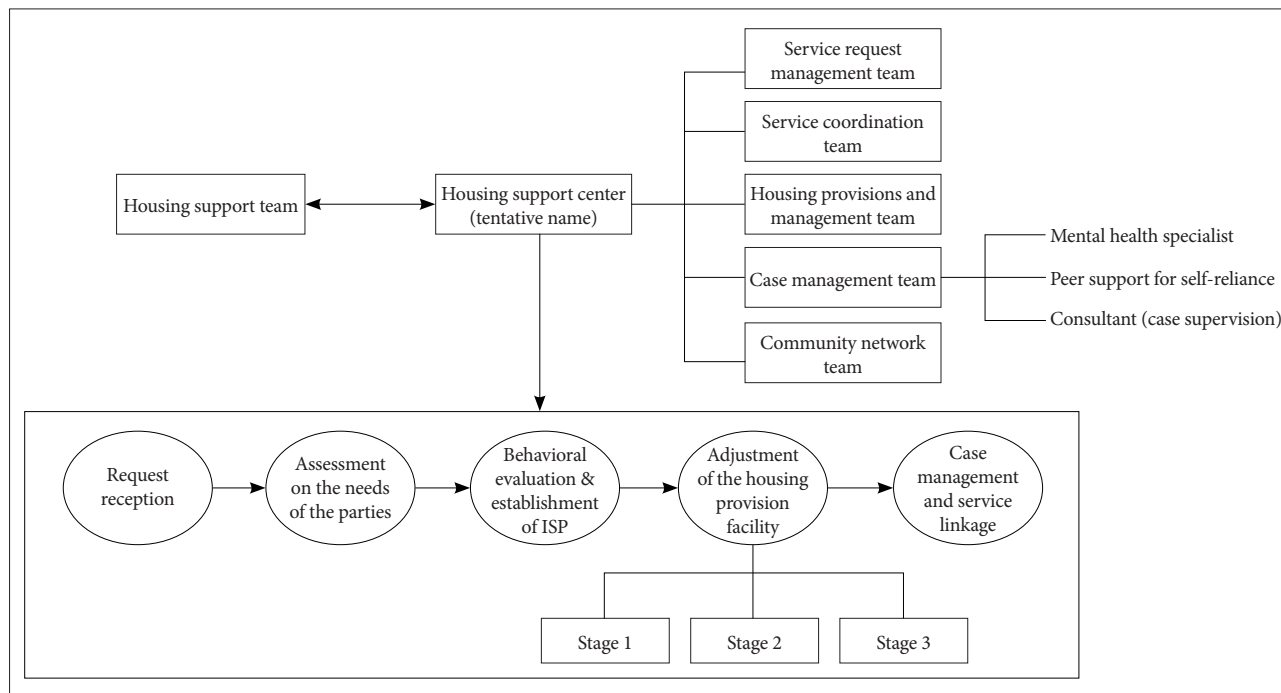
Thus, based on the results above, the SMHWC proposes the following two models for Seoul-type housing services for people with mental illness. The first model is a housing service that functions as a control tower. Model 1 is shown in Figure 1 below.

Model 1 is a control tower that establishes a housing support center, which is responsible for all housing related services such as housing provision, service provision, and case management. There, all the decision-making and promotion will be carried out together with the housing support team that is currently operated by Seoul metropolis. The housing support team is composed of Seoul metropolis, the SMHWC, and experts (field and academics) to make decisions and discussions in regards to housing services.

Thus, in the case of Model 1, all the requests and services are received and provided in a unified channel in a single institution, the housing support center. As result, all the services are managed in an integrated manner with decreased overlap and omissions. Furthermore there would be no delay in process from the beginning to the service provision. However, it might be that the system have deficit liquidity and that the independent function is weakened.

The following describes the process of the control tower in delivering housing services. When a request is made by parties or a family member, an acquaintance, or an expert, the service request management team will initially assess the parties. A multidisciplinary group of experts (physicians, mental health professions, etc.) then interviews them on their needs in housing services. One personnel from each team, as shown in the system organization chart of Figure 1, is required to participate in the interview along with the multidisciplinary group, including a physician with the parties. The behavioral evaluation should be conducted through the measures related to the housing services so that the services can be adjusted after the need assessment of the parties.

This process is regulated by the service coordination team, allowing for the establishment of an individual service plan (ISP) along with a behavioral assessment. Then, based on the needs and behaviors of the parties, a service would be recommended for them to choose. Because ISP is a structured tool which evaluates various aspects so that the mentally ill people can chose appropriate services in the community, it must



**Figure 1.** Model 1 for Seoul-type housing service for people with mental illness. ISP, individual service plan.

**Table 6.** Roles and functions of the housing provision facilities

Stage	Subject	Role of the housing services
1	Those who have no skills for daily living	An indispensable element of living, a housing facility that provides training for a common way of living (locking up the door, using public transportation, shopping, making side dishes, cleaning, eating three meals a day, showering, etc.).
2	Those who have skills for daily living but lack social skill.	A housing facility that provides a place to communicate with others. Stage 2 not only allow for more than several people but also a couple of people to live together. There, subjects learn to live together, to cooperate, and to communicate with others.
3	Those who have skills for daily living and interpersonal communication but lack autonomous aspects.	A housing facility that allows the subject to plan and manage his or her own life. Through case management service, the subject is encouraged to adapt to the community rather than being accommodated to the facility.

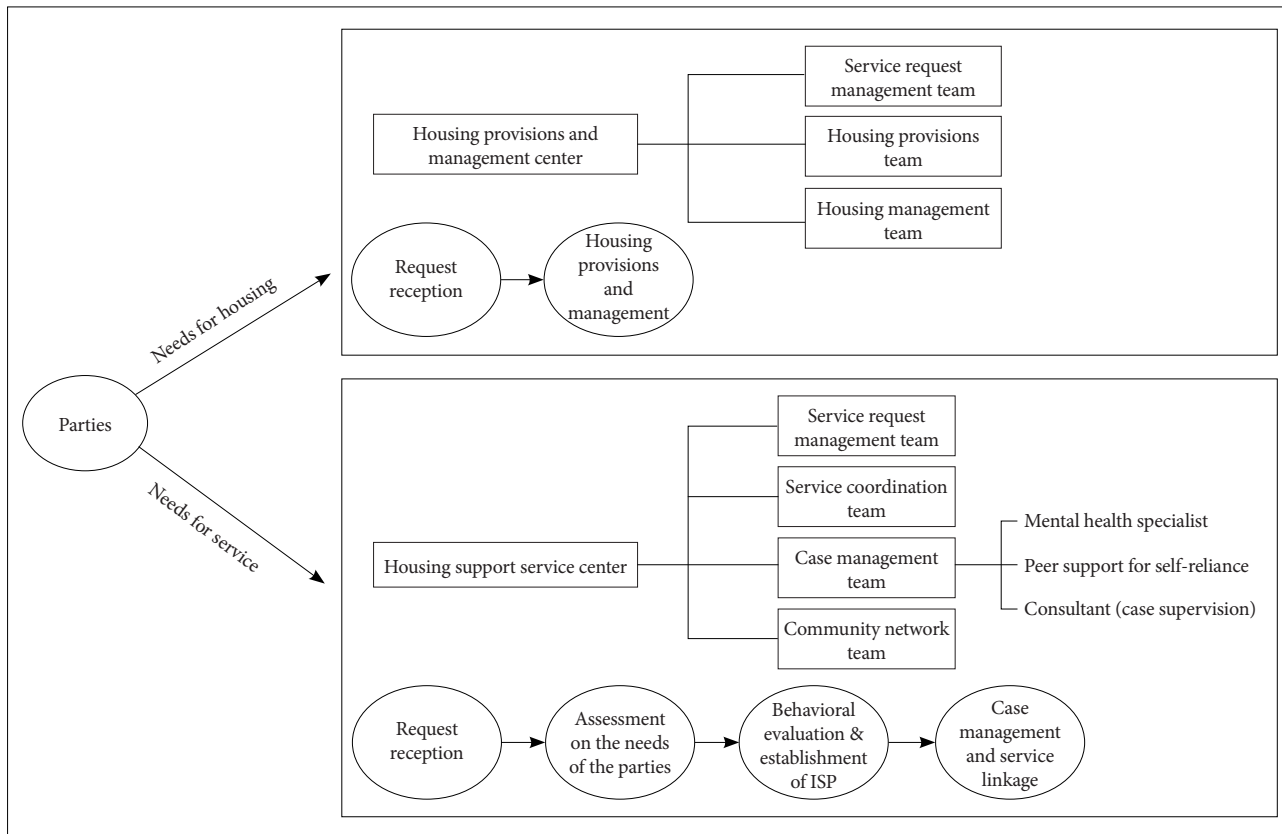
be implemented before providing housing services. The facilities that provide housing services are classified into three stages as shown in Table 6. Thus, the facilities that provide housing services can be redefined with the following roles. When the stage for the service is decided, a suitable provision facility is suggested, and welfare services including case management tailored to the needs of the parties are provided.

Secondly, Model 2 is a housing service model that functions as a binary system (Figure 2). It is divided into two centers: a center that only manages housing provisions and management, and a center that provides housing support services. In this case, the decision-making of two different parties can be more independent. However, it can lower the efficiency of the service and cause a disconnection in that it is combined with not only the housing provisions but also welfare services including the case management. Comparing with Model 1, it

is not easy to make an integrated decision than when making decisions and proceeding through procedures in one center.

Therefore, the housing provisions and management center should receive a request from a parties and provide information about a suitable housing facility along with all the services related to the housing provisions and management. Also, when the parties who received the service wants to be transmitted to the case management and linkage service, he or she can submit a request to the housing support center. Then, the behavioral assessment and the ISP would be confirmed in accordance with the request of the parties to provide a housing service including the case management.

Thus, for Model 2, the parties' need for housing and services are not managed in an integrated manner but are managed by the parties' choice to meet his or her needs.



**Figure 2.** Model 2 for Seoul-type housing services for people with a mental illness. ISP, individual service plan.

## DISCUSSION

The current study suggests that the present situation, which has biasedly resulted from the quantitative development of the housing services, has finally reached the perfect time to turn into the qualitative improvement. Therefore, the study aims to solve the problems that the housing services is currently undergoing in terms of the ambiguous roles of each housing facility, the provider-oriented service, and the limited options in choosing the type of housing service, and also to establish a housing service model that offers a living experience with a stable residence based on the needs of the people with a mental illness.

Based on the investigation on the needs of the people with mental illness and the FGI on a group of professions, the SMH-WC proposes two housing service models for the Seoul-type housing services. Model 1 is a housing service that functions as a control tower. Model 2 is a housing service that functions as a binary system. What these two models ultimately seek is to reflect the needs of the parties to the housing services, to clarify the roles and functions of the housing facilities, and to expand its options for the parties to adapt to their community more easily. Therefore, both models pursue the same direc-

tion, but there is a difference in whether the directional system is unified or dualized. However, in South Korea, welfare services have been developed in a fragmented manner, and the segmentation of services has been constantly controversial. Therefore, it is necessary to apply the advantages of autonomy and liquidity so that the binary system has a unified system that functions as a control tower. Also, the content of the services and the future direction must be consistently reflected in the investigation on the needs of the parties as well as in the implication of the FGI.

On the other hand, the discussion in the current study is limited to the housing services located in the city of Seoul. The welfare services for each municipality differs from one another. Moreover, there are some limitations in that, despite the fact that many people with a mental illness residing in local communities do not use mental health related facilities, the study only included those who receive treatments from facilities. Nevertheless, this study gives significance in qualitatively providing stable living and life for the mentally disabled people based on the direct questionnaire that reflects the needs of the parties, as well as the FGI on mental health professions, which may allow such needs to be reflected in the field.

### Availability of Data and Material

The datasets generated or analyzed during the study are available from the corresponding author on reasonable request.

### Conflicts of Interest

The authors have no potential conflicts of interest to disclose.

### Author Contributions

Conceptualization: Jee Hoon Sohn, Hae Woo Lee. Data curation: Seung Yeon Lee. Formal analysis: Hwo Yeon Seo. Investigation: Yeon Jung Cho. Methodology: Sung Joon Cho. Project administration: Sung Joon Cho. Software: You Ra Oh. Supervision: Sung Joon Cho. Validation: Ung Lee. Visualization: You Ra Oh. Writing—original draft: Sung Joon Cho. Writing—review & editing: Sung Joon Cho, Ung Lee.

### ORCID iDs

Sung Joon Cho <https://orcid.org/0000-0001-6981-0931>  
Ung Lee <https://orcid.org/0000-0002-1656-9133>  
You Ra Oh <https://orcid.org/0000-0002-5168-2713>  
Hwo Yeon Seo <https://orcid.org/0000-0002-0523-5816>  
Seung Yeon Lee <https://orcid.org/0000-0003-2873-6151>  
Yeon Jung Cho <https://orcid.org/0000-0002-7559-5593>  
Hae Woo Lee <https://orcid.org/0000-0002-3644-8857>  
Jee Hoon Sohn <https://orcid.org/0000-0001-7206-460X>

### Funding Statement

None

### Acknowledgments

The idea of study was inspired during the analysis for development of mental health policy of Seoul. We hereby thanks to all staffs of Seoul Mental Health Center and Health Policy Division of Seoul Metropolitan Government for their enthusiasm and contribution for the betterment of mental health in Seoul.

### REFERENCES

1. Kim YM, Cho BM, Jang KY, Chung YI. A survey on the long-term hospitalized, chronically mentally-ill patients in mental health facilities. *J Korean Neuropsychiatr Assoc* 1999;38:774-783.
2. Kim MG, Lee YP. A survey report on the basic perception and residential facilities of the people with a mental illness. *Korea Academy Mental Health Social Worker* 2001;4:105-123.
3. Choi MM, Kwon JY, Kim GD. An exploration on the applicative potentials of the late modern social space to deinstitutionalization of the mental health field. *Korean J Soc Welf* 2016;68:225-246.
4. Seo JH. A study on the examination of the change of social welfare delivery system in local government. *Korean Governance Review* 2008;15:139-164.
5. Kang HK. Social service policy and the community social service provision systems in Korea. *Journal of Critical Social Welfare* 2008;25:67-98.
6. Yang NJ. The changes of social welfare services in Korea-analyzing the changing relationship between actors. *Korean J Soc Welf* 2010;62:79-102.
7. Byun EK, Yoon SJ. A study on the residential relational factors and residential service needs of persons with a mental disability. *J Korean Acad Psychiatr Ment Health Nurs* 2010;19:85-95.
8. Lee BH, Ha KH, Park YE, Lee MY. A use of the community welfare resource for supporting the mentally disabled (2017-30). Available at: <https://ggwf.gg.go.kr/archives/33354>. Accessed 2/20/2019.
9. Bae EM, Park HJ. The experience of people with mental illness in supported housing. *Korean Journal of Qualitative Research in Social Welfare* 2017;11:59-87.
10. Lee YP, Jung HK, Park KS, Kim HM. A study on the establishment of housing needs and the housing support system for the mentally disabled. Seoul: Hanwool Mental Health Welfare Foundation; 2014.
11. Gyeonggi Mental Health Welfare Center. A three-year record for the de-circulation of people with mental disabilities: housing speaks about life. Suwon: Gyeonggi Mental Health Welfare Center; 2012.
12. Hong SM. A direction and task for the home policy of the mentally disabled. Proceeding of the First Supportive Housing Conference; 2017 July 12; Seoul. Seoul: Seoul Housing & Communities Corporation, 2017, p.157-193.
13. Moon HJ. A survey on the status of independent living in persons with severe disabilities in Seoul in 2017. Seoul: Seoul Welfare Foundation; 2017.
14. Park EY, Chae SJ, Jeon JS. A survey on the needs of people with a mental illness using facilities for the disabled in Jeonju city and an investigation on de-facilitation for supporting independent living. Daejeon: Ministry of Science, ICT and Future Planning; 2015.
15. Kwon SJ. Residential service needs and related factors among mentally ill clients [master's thesis]. Seoul: Hanyang University; 2010.