Research Article

Linking community participation and subjective well-being in Chinese residential communities: the mediating role of community identity and the moderating effect of loneliness

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ABSTRACT

This study attempts to draw on self-determination theory and the community psychology perspective to elaborate on the mechanisms underlying the association between community participation and life satisfaction in urban residential communities. The present study examines the mediating role of community identity in the relationship between community participation and life satisfaction. Moreover, the current study investigated the moderating effect of loneliness on the mediation model. A total of 1,205 urban residents, ranging in age from 18 to 65 years, completed the Community Participation Scale, the Community Identity Scale, the University of California, Los Angeles Loneliness Scale, and the Satisfaction with Life Scale for this study. The survey’s results suggest that community participation can be a positive predictor of community identity and life satisfaction. Moreover, the result of the mediation analysis demonstrates that the link between community participation and life satisfaction can be mediated by community identity. Furthermore, the moderated mediation model analysis indicates that loneliness moderated the link between community participation and community identity, as well as the link between community participation and life satisfaction. The mediating effect of community identity on the relationship between community participation and life satisfaction is stronger for residents with high levels of loneliness than for those with low levels of loneliness. These findings provide a comprehensive explanation for how community participation improves subjective well-being among urban residents in the context of a residential community.

Keywords: community participation; community identity; life satisfaction; loneliness; residential community

1. Introduction

Subjective well-being is an important concept for researchers interested in measuring quality of life [1]. It was defined as a person’s affective and cognitive evaluations of their life as a whole [2]. The structure of
subjective well-being contains two major components: affective and cognitive \[3\]. According to the tripartite model of subjective well-being, the affective component contains positive and negative affect, while life satisfaction, which reflects a person’s global evaluation of their quality of life as a whole, can be considered as the cognitive component \[3, 4\]. Life satisfaction has received considerable attention from researchers as a core component of the subjective well-being model. Diener and his colleagues developed the Satisfaction with Life Scale (SWLS) \[4, 5\]. The SWLS assesses a person’s general sense of satisfaction with their whole life \[6\]. As life satisfaction levels can predict future risk behaviors, such as suicide and violence, it is critical to investigate the promotion of life satisfaction in residential communities \[7–10\].

Based on self-determination theory, people have three basic psychological needs: autonomy, competence, and relatedness \[11, 12\]. Engaging in a particular activity that meets one’s basic psychological needs would also enhance one’s subjective well-being \[13–15\]. Previous studies have also suggested that basic psychological needs can be fulfilled by intrinsically motivated behaviors, such as community-oriented behaviors, which in turn improves individual well-being \[11, 14, 16\]. Community participation, which refers to “the active, voluntary involvement of individuals and groups in changing problematic conditions in communities and influencing the policies and programs that affect the quality of their lives and the lives of other residents,” plays a key role in promoting human well-being \[17\]. Community participation differs from social or political participation because it emphasizes active engagement in groups or communities that the individual is deeply involved in, such as a residential community \[18–20\]. It has several forms, such as volunteering in community services, attending community meetings and taking part in community organizations \[21–23\].

Previous literature has demonstrated that older people who engage in community participation report better physical functioning \[24\]. Regarding psychological benefits, evidence suggests that community participation positively influences mental health. According to a previous study \[25\], community participation can decrease loneliness among people with psychiatric disabilities. Community-dwelling older adults who engage in community activities have fewer depressive symptoms \[26–28\]. Moreover, in the past few decades, there has been consensus that community participation is beneficial for individuals’ subjective well-being \[18, 27, 29, 30\]. In older adults, researchers have found that participation in community services is an important predictor of life satisfaction \[29\]. Among Chinese retirees, individuals with more frequent community participation had higher levels of life satisfaction \[18, 27, 30\]. Further, researchers have explored the mechanism of the association between older adults’ community participation and their life satisfaction, noting that social support and basic psychological needs can serve as mediators in said relationship \[18, 27\].

Despite the rich literature that reported the positive effect of community participation on well-being, few studies have investigated the mechanisms underlying the link between community participation and life satisfaction from the perspective of community psychology. Nevertheless, previous studies have indicated that community psychology explores how to promote the well-being of both individuals and communities in the context of the community \[31, 32\]. Meanwhile, other studies have suggested that community participation is related with community psychological factors \[13–15\]. Therefore, considering that community participation takes place in the community context, it is worthwhile to elaborate on the psychological mechanisms underlying the association between community participation and subjective well-being from a community psychology perspective. Community identity is a crucial psychological variable in the community psychology field. It was first introduced by Hummon \[36\], it describes the degree to which individuals identify with the territorial community in which they live \[36–38\]. As previous studies suggested, community identity is a type of social identity \[39–43\]. According to social identity theory, having a sense of identity with one’s residential community contributes to the global self-categorization and social identity processes \[44\]. In broad terms, community identity satisfies residents’ need for relatedness \[41–43, 45\]. Based on self-determination theory, this study
hypothesizes that the link between community participation and life satisfaction would be mediated by community identity.

Loneliness, which is a critical public health issue, is increasingly recognized as a severe threat to health [46, 47]. It refers to an aversive state or an unpleasant feeling arising from perceived deficiencies in one’s social relationships [48]. A large body of research has found that loneliness has a negative effect on well-being. Mushtaq et al. [49] reported that loneliness is related with psychiatric disorder, such as depression, alcohol abuse, and sleep issues. Besides mental health issues, loneliness can lead to physical illness, such as obesity and cancer [49]. Moreover, there is a consensus that loneliness is linked to increased mortality risk [50–52]. Loneliness was found to be associated with suicidal ideation and suicidal behavior [53]. A previous study also demonstrated that people with high levels of loneliness exhibit less community identification and less personal well-being [43]. These findings highlight the importance of efforts to investigate potential well-being interventions for lonely people. Therefore, the present study attempts to examine whether loneliness moderates the mediating effect of community identity on the link between community participation and life satisfaction.

2. The hypothetical research model

To deepen our understanding of the association between community participation and individuals’ subjective well-being in residential communities, we investigated the association between community participation, community identity, loneliness, and life satisfaction in the context of residential communities. By drawing on self-determination theory and the community psychology perspective, we assume that the relationship between community participation and life satisfaction would be mediated by community identity, and that loneliness would moderate the mediation model (Figure 1). We took several steps to study the link between community participation, community identity, loneliness, and life satisfaction. First, we investigated whether community participation could predict community identity and life satisfaction, separately. Second, the present study investigated whether community identity can predict life satisfaction. Third, we examined whether community identity mediates the relationship between community participation and life satisfaction. Fourth, we focused on the moderating role of loneliness in the mediation model. We developed seven hypotheses:

Hypothesis 1 (H1): Community participation would positively predict residents’ community identity.

Hypothesis 2 (H2): Community participation would positively predict residents’ life satisfaction.

Hypothesis 3 (H3): Community identity would positively predict residents’ life satisfaction.

Hypothesis 4 (H4): The association between community participation and life satisfaction would be mediated by community identity.

Hypothesis 5 (H5): The link between community participation and community identity would be moderated by loneliness.

Hypothesis 6 (H6): The link between community participation and life satisfaction would be moderated by loneliness.

Hypothesis 7 (H7): The mediating effect of community identity in the link between community participation and life satisfaction would be moderated by loneliness.
3. Materials and methods

3.1. Participants and procedure

To test the aforementioned hypotheses, an online survey was conducted in 22 residential communities in Chengdu, which is a big city in the southwest of China. Participants were recruited in the WeChat online groups. The study sample comprised 1,205 urban residents, aged between 18 and 65 years. The length of residence of all participants exceeded 1 year. In total, 62.16% of the participants were women and 37.84% were men. 34.69% of the participants were young and middle-aged people, ranging in age from 18 to 30 years. 60.17% of the participants were middle-aged people, ranging in age from 31 to 60 years. 5.14% of the participants were older adults, ranging in age from 61 to 65 years. The survey was conducted anonymously. Each participant earned 15 RMB for participation. This study was approved by the Ethics Committee of Research Institute of Social Development, Southwestern University of Finance and Economics, Chengdu, China. Informed consent was obtained from all the participants.

3.2. Measures

Participants were asked to report their sociodemographic data in the survey, such as age, education level, gender, time of residence, marital status, and monthly income.

3.2.1. Community participation

The instrument used to measure residents’ level of community participation was adapted from the Citizen Participation Index [54]. This community participation scale, which contains six items, was used in a previous study [55]. The six items were “talk about the problems about community management to neighborhood committees”, “participate in the activities organized by neighborhood committees”, “participate in neighborhood meetings”, “take part in voluntary community services”, “be a member of community organizations (e.g., club, interest group)”, and “keep up to date with community development, such as reading news on the community message board” [55]. The six items were rated on a Likert-type scale (1 = “rarely or never,” 2 = “only some of the time,” 3 = “occasionally,” 4 = “most or all of the time”). Residents were asked to report how often they had been participated in the six types of community activities during the past month. This scale has sufficient psychometric properties for urban residents and is highly reliable (Cronbach’s alpha = 0.917) [55].

3.2.2. Community identity

Based on social identity theory, Xin and Ling [56] developed the Community Identity Scale (CIS). It has
two dimensions: functional identity and emotional identity [23, 56]. Functional identity relates to the extent to which residents are satisfied with the community’s supportive resources, whereas emotional identity is associated with residents’ level of affective attachment to the community [23, 56]. Each dimension consists of 4 items. The items for functional identity are “Living in this community meets the needs of our family,” “I recognize the community’s administration level,” “The community environment is more satisfactory than any other place,” and “I recognize the community’s administration level.” For emotional identity, the items are “the community makes me feel at home,” “The community where I live is special emotionally to me,” “I feel the community has become a part of my life,” and “I care deeply about what others think of my community.” Participants were asked to respond to each item using a six-point Likert scale ranging from 1 (“not true at all”) to 6 (“absolutely true”). Previous studies have indicated the CIS has shown satisfactory psychometric properties in Chinese urban residents [23, 56, 57]. High CIS scores indicated a high sense of community identity. In the present study, the Cronbach’s alpha coefficient for the CIS was 0.964.

3.2.3. Life satisfaction

The current study used the SWLS to assess life satisfaction [4, 5]. The SWLS measures the respondents’ general satisfaction with their life. The scale contains five items. A representative item is “I am satisfied with my life.” The items were responded to on a Likert-type scale ranging from 1 (“strongly disagree”) to 7 (“strongly agree”). SWLS has sufficient psychometric properties and is suitable for a wide range of age groups and cultural contexts [6]. In the current study, the Cronbach’s alpha coefficient for the SWLS was 0.933.

3.2.4. Loneliness

Loneliness was the moderating variable. The present study used the University of California, Los Angeles Loneliness Scale (3-item, Chinese version) to measure the level of loneliness [58, 59]. The three items were “I feel left out,” “I feel isolated,” and “I lack companionship.” The items were responded to on a three-point Likert scale ranging from 1 (“hardly ever”) to 3 (“often”). The three-item UCLA Loneliness Scale in the current study has good psychometric properties (Cronbach’s alpha = 0.889).

3.3. Statistical analyses

SPSS software version 23.0 for Windows was used to analyze the data. The mediation analyses were conducted using Hayes’ PROCESS macro for SPSS. Raw data were transferred into Z-scores for further analyses. Sociodemographic variables (i.e., age, gender, education level, dwelling time, marital status, and income) were served as covariates. The bootstrapping method (which constructs confidence intervals [CIs] with no distributional assumptions) was used to calculate estimators [60]. We took four steps to analyze the data. First, we conducted the descriptive statistics. Then, to examine the bivariate associations among community participation, community identity, loneliness, and life satisfaction, we conducted Pearson correlation analysis. Thereafter, a linear regression model was conducted to examine Hypotheses 1, 2, and 3. Furthermore, we used Hayes’ PROCESS macro for SPSS (Model 4) to test Hypothesis 4 [61]. In the end, the hypothesized moderated mediation model was tested using Hayes’ PROCESS macro for SPSS (Model 8) [61].

4. Results

4.1. Descriptive statistics and bivariate correlations

The survey included 1,205 residents (749 women, 456 men). Participants’ demographic information is shown in Table 1. As Table 2 shows, the results of the Pearson correlation analysis demonstrated positive correlations among community participation, community identity, and life satisfaction. Moreover, loneliness had negative correlations with community identity and life satisfaction.
4.2. The linear regression model

For Hypothesis 1, using the linear regression model, we tested whether community participation can predict community identity. The results indicated the following. Community participation positively predicted community identity ($F_{(1,1203)} = 465.214, p < 0.001$). Community participation explained 27.9% of the variability in community identity ($R^2 = 0.279$). Regarding the relationship between community participation and life satisfaction, we found that community participation could be a predictor of life satisfaction ($F_{(1,1203)} = 171.271, p < 0.001$). Community participation explained 12.5% of the variability in life satisfaction ($R^2 = 0.125$). Therefore, H2 was confirmed. In addition, community identity predicted life satisfaction ($F_{(1,1203)} = 364.615, p < 0.001$). Community identity explained 23.3% of the variability in life satisfaction ($R^2 = 0.233$). Therefore, H3 was confirmed.

4.3. The mediating role of community identity

The mediating effect of community identity on the relationship between community participation and life satisfaction was tested using the Model 4 of the PROCESS macro. The results indicated that community participation was positively associated with community identity ($\beta = 0.528, p < 0.001$) and that community identity was positively related to life satisfaction ($\beta = 0.405, p < 0.001$). The direct residual effect was statistically significant ($\beta = 0.147, p < 0.001$). Community identity partially mediated the association between community participation and life satisfaction (indirect effect = 0.213, 95% CI = 0.177–0.251). The mediation model accounted for 59.26% of variance in life satisfaction. H4 was supported.

Table 1. Sample individual characteristics (N=1205).

<table>
<thead>
<tr>
<th>Individual characteristics</th>
<th>Mean (SD) (range)</th>
<th>n (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Age</td>
<td>38.33 (12.51) (18–65)</td>
<td></td>
</tr>
<tr>
<td>Marital status</td>
<td></td>
<td></td>
</tr>
<tr>
<td>With a spouse</td>
<td>835 (69.29%)</td>
<td></td>
</tr>
<tr>
<td>Single (unmarried/divorced/widowed)</td>
<td>370 (30.71%)</td>
<td></td>
</tr>
<tr>
<td>Education level</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Primary school education or lower</td>
<td>35 (2.9%)</td>
<td></td>
</tr>
<tr>
<td>Secondary school education</td>
<td>396 (32.87%)</td>
<td></td>
</tr>
<tr>
<td>High school education or higher</td>
<td>774 (64.23%)</td>
<td></td>
</tr>
<tr>
<td>Monthly income</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3000 RMB or below</td>
<td>570 (47.3%)</td>
<td></td>
</tr>
<tr>
<td>3001–5000 RMB</td>
<td>407 (33.8%)</td>
<td></td>
</tr>
<tr>
<td>5001–10000 RMB</td>
<td>215 (17.8%)</td>
<td></td>
</tr>
<tr>
<td>10001 RMB or more</td>
<td>13 (1.1%)</td>
<td></td>
</tr>
<tr>
<td>Years of residence</td>
<td>9.53 (9.2) (1–57)</td>
<td></td>
</tr>
</tbody>
</table>

Note. SD = standard deviation.

Table 2. Results of the descriptive statistics (Raw scores) and the Pearson correlations analysis.

<table>
<thead>
<tr>
<th>Variables</th>
<th>Mean ± SD</th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Community participation</td>
<td>15.18±4.52</td>
<td>—</td>
<td>0.528**</td>
<td>0.353**</td>
<td>−0.003</td>
</tr>
<tr>
<td>2. Community identity</td>
<td>34.55±8.55</td>
<td>—</td>
<td>0.482**</td>
<td>−0.191**</td>
<td></td>
</tr>
<tr>
<td>3. Life satisfaction</td>
<td>24.2±6.65</td>
<td>—</td>
<td>—</td>
<td>−0.207**</td>
<td></td>
</tr>
<tr>
<td>4. Loneliness</td>
<td>5.11±1.78</td>
<td>—</td>
<td>—</td>
<td>—</td>
<td></td>
</tr>
</tbody>
</table>

Note. SD = standard deviation, **p < .01.
4.4. The moderated mediation model

Model 8 of the PROCESS macro was used to investigate the moderating role of loneliness in the mediating effect of community identity on the link between community participation and life satisfaction. After controlling for the covariates, community participation had a direct and significant predictive effect on community identity ($\beta = 0.531, p < 0.001$) and life satisfaction ($\beta = 0.175, p < 0.001$). Community identity was positively associated with life satisfaction ($\beta = 0.364, p < 0.001$). The results indicated that loneliness moderated the association between community participation and community identity ($\beta = 0.055, p < 0.05$, 95% CI = 0.009–0.101) (see Figure 2). The results of the simple slope analysis demonstrated that the positive effect of community participation on community identity was higher in the residents with high levels of loneliness (effect = 0.586, $p < 0.001$, 95% CI = 0.518–0.654) than in those with low levels of loneliness (effect = 0.476, $p < 0.001$, 95% CI = 0.413–0.54) (for details, see Table 3 and Figure 3). Therefore, H5 was supported.

Moreover, the link between community participation and life satisfaction was also moderated by loneliness ($\beta = 0.1, p < 0.001$, 95% CI = 0.053–0.147). Therefore, H6 was supported (see Figure 2). The simple slope analysis demonstrated that the positive effect of community participation on life satisfaction was stronger in the residents with high levels of loneliness (effect = 0.275, $p < 0.001$, 95% CI = 0.197–0.353) than in those with low levels of loneliness (effect = 0.075, $p < 0.05$, 95% CI = 0.005–0.146) (for details, see Table 3 and Figure 4). Furthermore, the results indicated that the mediating effect of community identity in the relationship between community participation and life satisfaction was higher in the residents with high levels of loneliness than in those with low levels of loneliness (for details, see Table 4). Therefore, H7 was confirmed.

![Figure 2. The moderated mediation model.](image)

![Figure 3. Loneliness moderated the association between community participation and community identity.](image)
Figure 4. Loneliness moderated the relationship between community participation and life satisfaction.

Table 3. Conditional direct effects of community participation on community identity and life satisfaction.

<table>
<thead>
<tr>
<th>Loneliness</th>
<th>Effect</th>
<th>SE</th>
<th>t</th>
<th>p</th>
<th>LLCI</th>
<th>ULCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>M–1SD</td>
<td>0.476</td>
<td>0.032</td>
<td>14.746</td>
<td>0.000</td>
<td>0.413</td>
<td>0.54</td>
</tr>
<tr>
<td>M</td>
<td>0.531</td>
<td>0.024</td>
<td>22.056</td>
<td>0.000</td>
<td>0.484</td>
<td>0.579</td>
</tr>
<tr>
<td>M+1SD</td>
<td>0.586</td>
<td>0.035</td>
<td>16.882</td>
<td>0.000</td>
<td>0.518</td>
<td>0.654</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Loneliness</th>
<th>Effect</th>
<th>SE</th>
<th>t</th>
<th>p</th>
<th>LLCI</th>
<th>ULCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>M–1SD</td>
<td>0.075</td>
<td>0.036</td>
<td>2.088</td>
<td>0.037</td>
<td>0.005</td>
<td>0.146</td>
</tr>
<tr>
<td>M</td>
<td>0.175</td>
<td>0.029</td>
<td>5.97</td>
<td>0.000</td>
<td>0.118</td>
<td>0.233</td>
</tr>
<tr>
<td>M+1SD</td>
<td>0.275</td>
<td>0.04</td>
<td>6.931</td>
<td>0.000</td>
<td>0.197</td>
<td>0.353</td>
</tr>
</tbody>
</table>

Note. SE = standard error.

Table 4. Conditional indirect effects of community participation on life satisfaction.

<table>
<thead>
<tr>
<th>Loneliness</th>
<th>Effect</th>
<th>BootSE</th>
<th>BootLLCI</th>
<th>BootULCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>M–1SD</td>
<td>0.173</td>
<td>0.018</td>
<td>0.14</td>
<td>0.208</td>
</tr>
<tr>
<td>M</td>
<td>0.193</td>
<td>0.019</td>
<td>0.157</td>
<td>0.23</td>
</tr>
<tr>
<td>M+1SD</td>
<td>0.213</td>
<td>0.024</td>
<td>0.167</td>
<td>0.263</td>
</tr>
<tr>
<td>Index of moderated mediation</td>
<td>0.02</td>
<td>0.01</td>
<td>0.001</td>
<td>0.039</td>
</tr>
</tbody>
</table>

Note. SE = standard error.

5. Discussion

Life satisfaction has received attention from many researchers as a key component of human well-being. Studies focusing on the psychological determinants of life satisfaction can provide an interesting addition to the growing literature on human well-being. By drawing on self-determination theory and the community psychology perspective, the present study examined the mediating effect of community identity on the link
between community participation and life satisfaction. Moreover, the current study investigated the moderating role of loneliness in the mediation model. Using a moderated mediation model, we found that community identity partially mediated the relationship between community participation and life satisfaction. Furthermore, we highlighted the moderating role of loneliness in the mediation model. The findings from the present study contribute to extending our understanding of the association between community participation and life satisfaction among urban residents in the residential community context.

In line with Hypothesis 1, we found that community participation could be a positive predictor of community identity. People with more community participatory behavior, such as volunteering in community service, identified more with their local communities. Moreover, the result of the linear regression model analysis suggested that community identity could improve residents’ life satisfaction. This finding is consistent with previous studies that reported that community-based identification was related to well-being [42, 43, 62]. Furthermore, we found a significant positive correlation between community participation and life satisfaction. Residents who often engaged in community participation were more satisfied with their lives than those who did not. This finding is in line with prior studies that suggested that community participation is associated with subjective well-being [18, 27, 63, 64]. Using longitudinal data from a national survey, Ding et al. [65] found that past community participation was related to better sociopsychological well-being in the following year. Taken together, this evidence shows that it could be feasible to increase community participation to promote residents’ subjective well-being in the residential community context.

Regarding Hypothesis 4, the results of the mediation model analysis suggested the mediating effect of community identity on the association between community participation and life satisfaction. Residents who are more engaged in community activities may have a stronger identification with the community they live in; subsequently, community identity could enhance the level of satisfaction with life as a whole. As previously discussed, the mediating role of community identity in the association between community participation and life satisfaction can be explained using self-determination theory [13–15]. Community identity, enhanced by community participation, satisfies an individual’s need for relatedness, which consequently enhances their subjective well-being [13–16].

A moderated mediation model analysis was conducted to examine Hypotheses 5, 6, and 7. The results suggested that loneliness moderated the relationship between community participation and community identity. The simple slope analysis suggested that the positive effect of community participation on community identity was stronger for residents with high levels of loneliness than for those with low levels of loneliness. Moreover, a significant interaction of community participation and loneliness in predicting life satisfaction emerged. Specifically, community participation could significantly improve the subjective well-being of lonely residents. Furthermore, the mediating role of community identity in the relationship between community participation and life satisfaction was observed for lonely residents. A prior study suggested that people with high levels of loneliness have a lower degree of community identification and personal well-being than those with low levels of loneliness [43]. The results of the moderated mediation model analysis suggested that community participation may be a potential community-based intervention to enhance the subjective well-being of lonely urban residents.

This study has several significant theoretical and practical implications. By drawing on self-determination theory and the community psychology perspective, the present study offers a comprehensive understanding of the mechanisms underlying residents’ subjective well-being in the context of residential communities. From a practical perspective, the findings of our study may help in designing effective community interventions to improve the subjective well-being of residents with high levels of loneliness in Chinese residential communities. When developing community participation-based interventions, we must pay close attention to
whether the community activities in which residents participate can enhance their community identity. The community should consider the significance of emotional identity and functional identity. For instance, to improve emotional identity, the community could encourage residents to be members of neighborhood committees and to participate in community decision. Moreover, to increase functional identity, community managers should organize community activities based on residents’ daily needs. For example, community managers could organize physical activities and health knowledge lectures to meet residents’ need for health

6. Conclusion

The promotion of residents’ well-being is clearly a desirable goal for residential communities [66]. Further, community participation is increasingly being recognized as a feasible intervention for improving residents’ well-being [18,22,55]. To understand the relationship between community participation and improved life satisfaction, our study drew on self-determination theory and the community psychology perspective to examine the mediating role of community identity and the moderating role of loneliness in the link between community participation and life satisfaction. The results of the present study indicated that community identity mediated the link between community participation and life satisfaction, and loneliness moderated this mediation model. The effect of community participation on life satisfaction through community identity was stronger in the residents with high levels of loneliness than in those with low levels of loneliness. One limitation should be reported here. The present study focused on Chinese residential communities and the survey was conducted in China. Therefore, it is prudent to generalize the current findings to other cultural contexts.

Overall, the current findings extend our understanding of the improvement of subjective well-being by elucidating the mechanism of the association between community participation and life satisfaction among urban residents. Our findings suggested that community participation, which promotes the interaction between individuals and the community, can significantly increase residents’ subjective well-being. Moreover, community identity could mediate the link between community participation and subjective well-being. Given the above, community participation may be an important community-based intervention to improve the subjective well-being of residents with high levels of loneliness.

Author contributions

Conceptualization, XD and ZW; methodology, XD, ZW, HL and YL; formal analysis, XD and ZW; investigation, XD, ZW, HL and YL; writing—original draft preparation, XD and ZW; writing—review and editing, XD, ZW, HL and YL; project administration, XD and ZW; funding acquisition, ZW. All authors have read and agreed to the published version of the manuscript.

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Conflict of interest

The authors declare no conflict of interest.

References


