Effects of the Subjective Family Class on the Suicide Ideation of Adolescents: Double Mediating Effect of Social Support and Sense of Coherence

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Purpose: The study was conducted to identify the relationship between subjective family class and suicidal ideation and to determine the double mediating effect of social support and sense of coherence on their relationship. Methods: Secondary analysis of data from 2015 Korean Psycho-social Anxiety which was a population-based representative was performed. Double mediating effects of social support and sense of coherence on suicidal ideation were analyzed using the PROCESS macro (model 6) with bootstrapping methods. Results: Subjective family class directly influenced social support (β=.20, p<.001) and sense of coherence (β=.10, p<.001). Subjective family class directly influenced suicide ideation (β=-.08, p<.001). Sense of coherence was directly influenced by social support (β=.28, p<.001). Suicide ideation was indirectly influenced by subjective family class through social support (β=-.22, p<.001) and sense of coherence (β=-.36, p=.001). The size of direct effect of subjective family class on suicide ideation was 0.24 and the total size of indirect effect was 0.12. Conclusion: Intervention to improve social support and sense of coherence is needed to prevent the suicide among adolescents.

Key Words: Social class; Suicidal ideation; Adolescent; Social support; Sense of coherence

INTRODUCTION

1. Background

The subjective social status (SSS) is an individual’s cognitive judgment of their social status in society and refers to a person’s subjective perception of their social and material resources [1]. This may or may not reflect the objective socioeconomic status [1]. On the other hand, although the SSS is similar to the objective socioeconomic status, it is considered a measure of social status that reflects more diverse aspects because it represents an individual’s integrated perception of their social position through their past performance and prospects [2,3]. The most common method for assessing the SSS is to ask the respondents to indicate their position in society by choosing among a set of hierarchically arranged social classes [1]. In particular, the SSS is a useful indicator among older adults or adolescents who have no income or whose income cannot be investigated accurately [2]. When measuring the SSS in adolescents, the respondents are asked to indicate the social class to which their family belongs [1]. Adolescents regard family assets, family lifestyle, parents’ occupations, and parents’ education levels as important factors in determining their subjective social family class (SFC) [3]. The SSS is associated with the individuals’ health and well-being, even when adjusted for the objective socioeconomic status in previous studies conducted on adults [4,5] and adolescents [1]. In Korean adults, the SSS was found to be associated significantly with psychological problems, including suicidal ideation, depression, and psychological pressure [4].

One of the most critical mental health problems in adolescents is suicide. The mortality rate from suicide in Korean adolescents is 7.6 per 100,000 people, which is higher than the OECD average mortality rate of 6.5 people, and
1. Study Design

This study was a cross-sectional descriptive study to investigate the double mediating effects of social support and the sense of coherence on suicidal ideation in adolescents. The specific objectives of this study were as follows:

- To identify whether there are significant differences in the sense of coherence between the subjective family class and suicidal ideation and to examine the double mediating effect of social support according to the subjective family class in adolescents.

2. Purpose

This study aimed to identify the double mediating effects of social support and the sense of coherence on suicidal ideation in adolescents. The specific objectives of this study were as follows:

- To determine if there is a significant difference in suicidal ideation according to subjective family class in adolescents.

METHODS

## 1. Purpose

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## 2. Methods

In the population aged 10-19 [6], 33.8% of adolescents reported suicidal ideation due to academic stress, anxiety about the future, family conflicts, bullying, and economic problems. Hence, adolescent suicide is a major public health problem that needs to be addressed urgently [7]. In particular, some studies identified the socioeconomic factors of adolescents, the psychological factors at the individual level or social factors [11]. On the other hand, some studies focusing on protective factors, such as self-efficacy and resilience, and social support pointed this out [12]. In a previous study of young people who have attempted suicide in the UK by Srensen et al. [14], showed that the sense of coherence was found to have a lasting and strong effect on suicidal ideation in adolescents; and a low sense of coherence was identified as the main influencing factors for their suicidal ideation [8]. Therefore, adolescent suicide is attracting attention as a social problem that needs to be addressed on a societal level. Similar to the existing socioeconomic factors, adolescent suicide can be regarded as an individual problem, a social problem, and a psychological problem. There is also a need to investigate the effect of the subjective family class on suicidal ideation. Studies of suicide mostly identified the risk factors for health problems [7-10]. Therefore, this study examined the risk factors such as life stress, anxiety about the future, and self-efficacy and resilience to determine the effects of social support and the sense of coherence on suicidal ideation. The specific objectives of this study are expected to serve as basic data for intervention to prevent suicide. Several studies have examined the double mediating effects of social support and the sense of coherence in adolescents; and some studies examining the issue of suicide focused on the individual level or social factors [11]. On the other hand, some studies examining the issue of suicide focused on protective factors, such as self-efficacy and resilience [12]. This study aims to identify whether there are significant differences in the sense of coherence between the subjective family class and suicidal ideation and to examine the double mediating effect of social support according to the subjective family class in adolescents. The specific objectives of this study were as follows:

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2. Participants

The data of the 2015 Korean Psychosocial Anxiety Survey conducted by the Korea Institute for Health and Social Affairs were used for secondary analysis. The survey was carried out online from August 8 to September 22, 2015, and the participants were a total of 5,000 adolescents aged 14 to 18 living in Korea. In this study, the data of all the participants of the survey were analyzed.

3. Measures

1) Subjective family class

The subjective family class was measured using one question “What social class do you think your family belongs to?” by selecting one of five response options: (1) lowest, (2) low, (3) middle, (4) upper-middle, (5) highest. The item was reverse coded to visualize the direction of the influence of subjective family class on suicidal ideation. The group of subjective family class was divided into two groups: the group of adolescents who perceived their family to belong to a lower social class (1: lowest, 2: low) and the group of the adolescents who perceived their family to belong to middle or higher social class (3: middle, 4: upper-middle, 5: highest).

2) Suicidal ideation

Suicidal ideation was assessed by the responses to the following question: “Have you ever seriously thought about committing suicide in the past year?”. The response of the question was answered with yes or no.

3) Sense of coherence

In this study, the sense of coherence was measured by reconstructing the assessment tool using the questionnaire items of the secondary data. First, items with similar content to that of the items presented in Antonovsky’s[12] sense of coherence scale (SOC-29 items) were selected among the questionnaire items of the secondary data. First, to assess the comprehensibility, three items, which were similar to the items, “Do you have the feeling that you are in an unfamiliar situation and do not know what to do? (Very often/Very seldom or never)” and “In the past ten years your life has been (Full of changes without knowing what will happen next / Completely consistent and clear)”, were selected. The selected items were as follows: (1) ‘I am confused by something insignificant and do not know what to do’, (2) ‘I do not feel inclined to attempt anything’, and (3) ‘I think that my life is unstable.’

Regarding meaningfulness, three items similar to “Doing the things you do every day is a source of deep pleasure and satisfaction” and “How often do you have the feeling that there is little meaning in the things you do in your daily life?” were selected, and the selected items were as follows: (4) ‘How happy do you think your life is?’, (5) ‘I think I am a worthy person like other people’, and (6) ‘I usually feel that I am a failed person.’

Regarding the items about manageability, four items similar to “How often do you have feelings that you are not sure you can keep under control?” and “In the past, when you had to do something that depended upon cooperation with others, did you have the feeling that it (Surely will not get done / Surely will get done)” were selected, and the selected items were as follows: (7) ‘Do you think that you effectively keep your anger under control?’, (8) ‘Given your current circumstances, how likely do you think you are to achieve your ideal goals in the future?’, (9) ‘I can work well with most other people’, and (10) ‘Everything seems to be going well for me.’ Among all the items, (3) and (5) were originally items measured on a 10-point scale, but to facilitate comparisons, they were re-coded as four-point scale items. Therefore, all the items were assessed on a four-point scale. In addition, because items (1), (2), (3), and (6) were negative questions, they were reverse-coded, and the total scores were summed. In this study, because the data on the sense of coherence did not show a normal distribution, the participants were divided into the group with a high sense of coherence and the group with a low sense of coherence, based on the median value (29 points), as a representative value. In the final analysis model, it was used as a continuous variable. With respect to the similarity between the existing items and the 10 items selected, the validity was confirmed by three experts’ content evaluation, and an analysis of the reliability of this instrument was conducted. In this study, the Cronbach’s α for the items on the sense of coherence was .82.

4) Social support

Social support was measured using three questions: “How much social support do you think you are receiving?”, “If you are in trouble, how much help do you think you can get from people around you?” and “How many people do you think you are usually able to consult candidly with?”. Respondents were asked to rate each item on a 10-point scale (zero points - not at all, 10 points - very much). The total scores obtained by summing up response scores ranged from zero to 30 points. Higher scores in-
5) General characteristics and depression

The general characteristics examined in this study were gender, age, and status of coresidence with parents. With respect to the status of coresidence with parents, this study examined whether or not the respondent lived with both parents, with a single parent, or with someone else. Depression was assessed on a 4-point scale using a self-administered questionnaire, a short form of the Center for Epidemiologic Studies Depression 11 (CES-D11) [19]. A modified Korean-translated version of the CES-D11 developed in Korea was used, and its validity and reliability were established [20]. The total scores of depression were converted by multiplying them by 20/11 so that the total scores would range from 0 to 60 points. Scores of 16 points or more were classified as ‘depression’, and scores of less than 16 points were classified as ‘no depression’ [21]. In this study, the Cronbach’s $\alpha$ of CES-D11 was .85.

4. Ethical Considerations

The 2015 Korean Psychosocial Anxiety Survey was conducted online by the Korea Institute for Health and Social Affairs. An online survey company sent information on the survey to the youths in the target population to be surveyed by e-mail, and the adolescents who agreed to participate were surveyed. The researcher submitted a request for the data to the Korea Institute for Health and Social Affairs and was provided with the data excluding personal identification information. The Institutional Review Board (IRB) of the institution to which the researcher belongs approved this secondary analysis protocol (IRB No.: 1044396-202002-HR-058-01).

5. Statistical Analysis

Statistical analysis was conducted using the SPSS/WIN 23.0 program. First, the participants were divided into two groups: the group who perceived their family belonging to a low social class (lower subjective family class group) and the group who did not (higher subjective family class group). A $\chi^2$ test was then used to determine the statistical significance of the differences in the general characteristics, sense of coherence, social support, and suicidal ideation between the two groups. A parallel double mediation model was analyzed using the PROCESS macro SPSS/WIN 3.3 program, which can be used to perform path analysis, under the assumption that social support and a sense of coherence will mediate the effects of the subjective family class on suicidal ideation in adolescents [22]. This method can allow logistic regression analysis by automatically detecting binary variables. The subjective family class was entered as an independent variable, suicidal ideation as the dependent variable, and social support and the modified measure of sense of coherence as the mediator variables. In this study, model 6 was used for analysis, and bootstrapping was performed 5,000 times to verify the significance of the mediating effect.

RESULTS

1. Subjective Family Class and Suicidal Ideation of the Adolescents

The age of the participants ranged from 14 to 18 years. The total number of participants was 5,000; 52.2% (2,611 people) were male and 47.8% (2,389 people) were female. Table 1 lists the results of the analysis of the differences in the general characteristics, sense of coherence, social support, and suicidal ideation between the two groups classified according to subjective family class. Approximately 26.6% (1,330 people) of the total respondents perceived their subjective family class to be low. An older age was associated with a lower subjective family class ($\chi^2=114.17, p<.001$). Among adolescents who live with a single parent or do not live with their parents, the proportion of the adolescents who perceived their family to belong to lower social class (63.6%) was higher than those who perceived their family to belong to a middle or higher social class ($\chi^2=338.77, p<.001$). Among the adolescents with a high level of depressive symptoms, the proportion of the adolescents in the lower subjective family class group (31.3%) was higher than that of the adolescents in the higher subjective family class group (17.5%). In the group with a lower level of social support than the median value of this study, the proportion of the adolescents in the lower subjective family class group (65.3%) was higher than that of the adolescents in the higher subjective family class group (39.7%) ($\chi^2=94.29, p<.001$). In addition, within the group with a lower level of sense of coherence than the median value of this study, the proportion of the adolescents in the lower subjective family class group (65.3%) was higher than that of the adolescents in the higher subjective family class group.
Table 1. General Characteristics, Depression, Social Support, Sense of Coherence and Suicide Ideation by Subjective Family Class

| Characteristics          | Categories | Total n (%) | Low SFC n (%) | Not low SFC n (%) | χ² | p    |
|--------------------------|------------|-------------|---------------|------------------|----|------|
| Total                    |            | 5,000 (100.0) | 1,330 (26.6) | 3,670 (73.4)     |    |      |
| Gender                   | Male       | 2,611 (52.2) | 685 (51.5)   | 1,926 (52.5)     | 0.37 | .542 |
|                          | Female     | 2,389 (47.8) | 645 (48.5)   | 1,744 (47.5)     |    |      |
| Age (year)               | 14         | 741 (14.8)  | 113 (8.5)    | 628 (17.1)       | 114.17 | <.001|
|                          | 15         | 1,192 (23.8)| 254 (19.1)   | 938 (25.6)       |    |      |
|                          | 16         | 818 (16.4)  | 234 (17.6)   | 584 (15.9)       |    |      |
|                          | 17         | 1,045 (20.9)| 310 (23.3)   | 735 (20.0)       |    |      |
|                          | 18         | 1,204 (24.1)| 419 (31.5)   | 785 (21.4)       |    |      |
| Living with parent       | Both       | 4,043 (80.7)| 484 (36.4)   | 3,188 (86.9)     | 338.77 | <.001|
|                          | Single or none | 966 (19.3) | 3,432 (63.6)| 1,868 (53.1)     |    |      |
| Depression               | Normal     | 3,940 (78.8)| 914 (68.7)   | 3,026 (82.5)     | 110.17 | <.001|
|                          | High (≥ 16)| 1,060 (21.2)| 416 (31.3)   | 644 (17.5)       |    |      |
| Subjective social support| Low (≤ 17) | 2,289 (45.8)| 833 (62.6)   | 1,456 (39.7)     | 94.29 | <.001|
|                          | High (18~30)| 2,289 (45.2)| 497 (37.4)   | 2,214 (60.3)     |    |      |
| Sense of coherence       | Low (10~28)| 2,711 (48.5)| 869 (65.3)   | 1,555 (42.4)     | 206.18 | <.001|
|                          | High (29~40)| 1,576 (31.5)| 461 (34.7)   | 2,115 (57.6)     |    |      |
| Suicidal ideation        | No         | 3,316 (66.3)| 722 (54.3)   | 2,594 (70.7)     | 117.46 | <.001|
|                          | Yes        | 1,684 (33.7)| 608 (45.7)   | 1,076 (29.3)     |    |      |

SFC = subjective family class.

3. Mediating Effect of the Sense of Coherence and Social Support on the Relationship Between the Subjective Family Class and Suicidal Ideation

Before analyzing the mediating effects of the sense of coherence and social support on the relationship between the subjective family class and suicidal ideation in adolescents, the multicollinearity between independent variables was examined. The results showed that the tolerance ranged from 0.66 to 0.81, exceeding 0.1, the Variance Inflation Factor ranged from 1.24 to 1.53, and was not greater than 10. The correlation coefficient between the independent variables ranged from .28 to .44, showing values less than .80. Based on the results, it was concluded that there was no problem with multicollinearity.

Table 3 lists the results of the analysis using a parallel multiple mediation model using Process macro V.3.3, which enables simultaneous verification of the direct and mediating effects using regression analysis. The subjective family class had a significant effect on social support (β = .20, p < .001) and sense of coherence (β = .10, p < .001), which are the mediator variables. Among the mediator variables, social support had a significant effect on the sense of coherence (β = .28, p < .001). The subjective family class (β = .08, p < .001), social support (β = -.22, p < .001), and sense of coherence (β = -.36, p < .001) all

2. Correlations between the Subjective Family Class, Sense of Coherence, and Social Support

Table 2 lists the results of the analysis of the correlations between the subjective family class, sense of coherence, and social support, the mean and standard deviation of each of these variables, and the skewness and kurtosis values. The scores for the sense of coherence ranged from 10 to 40 points, with an average of 28.60 points, and the scores for social support ranged from 0 to 30 points, with an average of 17.82 points. The subjective family class was positively correlated with both the sense of coherence (r = .54, p < .001) and social support (r = .25, p < .001). The sense of coherence showed a positive correlation with social support (r = .61, p < .001).
had a significant effect on suicidal ideation (Table 3). Table 4 and Figure 1 show the direct and indirect effects of the subjective family class (high → low) on suicidal ideation. First, the direct effect of the subjective family class on suicidal ideation was significant, with an effect size of 0.24 (95% Bootstrap CI: 0.51~0.71). The effect size of the indirect effect of subjective family class on suicidal ideation through the mediation of social support was 0.06 (95% Bootstrap CI: 0.01~0.04). The effect size of the indirect effect of subjective family class on suicidal ideation through the mediation of sense of coherence was estimated to be 0.04 (95% Bootstrap CI: 0.01~0.02). The effect size of the multiple indirect effects of subjective family class on suicidal ideation through the mediation of social support and sense of coherence on suicidal ideation was 0.02 (95% Bootstrap CI: 0.01~0.05), and the sum of the indirect effects was 0.12 (95% Bootstrap CI: 0.07~0.16), indicating statistical significance (Table 4, Figure 1).

**Table 2.** Correlations among Subjective Social Class, Sense of Coherence, Social Support (N=5,000)

| Variables               | Subjective social class | Sense of coherence | Social support |
|-------------------------|-------------------------|-------------------|---------------|
|                         | r (p)                   | r (p)             | r (p)         |
| Subjective social class | 1.00                    | 1.00              | 1.00          |
| Sense of coherence      | .54 (< .001)            | 1.00              |               |
| Social support          | .25 (< .001)            | .61 (< .001)      | 1.00          |
| M±SD                    | 2.89±0.01               | 28.60±0.06        | 17.82±0.0     |
| Skewness                | -0.02                   | -0.19             | -0.32         |
| Kurtosis                | 0.24                    | 0.06              | -0.17         |

**Table 3.** Mediating effect of Sense of Coherence and Social Support in the Relationship between Subjective Family Class and Suicide Ideation

| Pathway                           | β   | SE  | t    | p   | 95%CI       |
|-----------------------------------|-----|-----|------|-----|-------------|
| SFC → Social support              | .20 | 0.01| 16.51| <.001| 0.51~0.71   |
| SFC → SOC                         | .10 | 0.01| 10.37| <.001| 0.17~0.22   |
| Social support → SOC              | .28 | 0.01| 26.48| <.001| 0.26~0.30   |
| SFC → Suicide ideation            | -.08| 0.04| -2.11| <.001| 0.07~0.11   |
| Social support → Suicide ideation | -.22| 0.04| -5.01| <.001| -.31~-0.13  |
| SOC → Suicide ideation            | -.36| 0.06| -6.46| <.001| -.47~-0.25  |

SFC=subjective family class, SOC=sense of coherence, β=coefficient, SE=standard error, CI=confidential interval; Covariates: age, depression, and living with parents; † SFC (1~5, 1 point=high, 5 point=low).

**Table 4.** Directing and Indirect Effects on Suicide Ideation

| Pathway                           | Directing effect | Indirecting effect |
|-----------------------------------|------------------|--------------------|
|                                   | Effect | Boot SE | 95%CI   | Effect | Boot SE | 95%CI   |
| SFC → Suicide ideation            | 0.24   | 0.01    | 0.51    | 0.06   | 0.01    | 0.04    |
| SFC → Social support → Suicide ideation |       |         |         |        |         |        |
| SFC → SOC → Suicide ideation      | 0.04   | 0.01    | 0.02    | 0.07   |         |         |
| SFC → Social support t→ SOC → Suicide ideation | 0.02 | 0.01    | 0.01    | 0.05   |         |         |
| Total                             | 0.12   | 0.03    | 0.06    | 0.16   |         |         |

SFC=subjective family class; SOC=sense of coherence; β=coefficient; Boot=bootstrapping; SE=standard error; LLCI=lower limit confidential interval; ULCI=Upper Limit Confidential Interval; CI=Confidential Interval; Covariates: age, depression, and living with parents; † SFC (1~5, 1 point=high, 5 point=low).
**DISCUSSION**

In this study, 26.6% of the adolescents aged 14~18 perceived their subjective family class to be lower than middle class, and those who belong to the lower subjective family class group showed higher levels of depression and suicidal ideation. The proportion of adolescents who perceived their subjective family class to be lower than middle class was similar to the proportions reported in other domestic and foreign studies [1,8,10]. On the other hand, some previous studies reported a slightly higher or lower percentage. A study using data from the Korea Youth Risk Behavior Web-based Survey (KYRBS) conducted among middle school 1st year to high school 3rd year students reported that 22.5% of the total respondents perceived their subjective family class to be lower middle or low [8]. A study based on a survey of middle school students in the UK reported that 27.5% of the respondents assessed their subjective family class to be low social class [1].

Lower subjective family class was associated with higher levels of depression and suicidal ideation in this study. These results are in agreement with the findings of previous studies [8-10]. In a foreign meta-analysis study, subjective socioeconomic factors were related to mental health, such as subjective well-being, depression, and stress in adolescents [23]. On the other hand, a study of the relationships among socioeconomic factors, school-based social status, health status, and well-being of adolescents reported that the subjective socioeconomic factors were more closely associated with the health status and well-being than the objective socioeconomic factors and school-based social status [1]. Because there have been few studies on the relationship between the subjective family class and suicidal ideation, it is difficult to make direct comparisons.

Nevertheless, the results of this study can be interpreted with a perspective of Social Identify Theory. According to Social Identify Theory, subjective social status perceived by individuals influences the relationship between social status and mental health [5]. Some studies reported results supporting the hypothesis that the perceived social status amplifies the relationship between low social status and negative mental health by reinforcing the relationship between the social class to which individuals belong and their perceived social class. Other studies, however, reported findings supporting the buffering hypothesis that the negative effects of low social status on mental health can be reduced by a strong sense of belonging or solidarity for their family or society [5]. In this study, adolescents in the low subjective family class group showed high levels of depression and suicidal ideation, which are consistent with the amplification hypothesis of social identity theory in that the perception of low subjective family class worsens mental health. In addition, the results of this study showed that the influence of the subjective family class on suicidal ideation is mediated by a sense of coherence and social support in adolescents. These results are consistent with the buffering hypothesis of the social identity theory that the individuals’ sense of coherence and social support reduces the negative impacts of suicidal ideation, even when people perceive their family to belong to a lower social class. These findings suggest that although adolescents who perceive their family to belong to lower social class are more vulnerable to depression or suicidal ideation, a high level of perceived social support and a high sense of coherence can alleviate the negative mental health problems due to the lower subjective family class.

The results showed that subjective family class influences suicidal ideation through the double mediation of a
The adolescents may encounter in the environments surrounding them. A variety of complex tensions or stimuli that individuals may encounter in the environments surrounding them. The adolescents’ perception of their family’s social status can be considered in relation to the degree to which they think they have internal and external resources available. This can be used to meet the demands imposed at present or in the future, which is an important element of a sense of coherence. If adolescents perceive their social, psychological, and material resources to be insufficient, they are likely to think that they lack the ability to evaluate and solve problems and thus easily feel helpless in solving problems. Therefore, adolescents with low sense of coherence are more vulnerable to suicidal behavior when faced with a problem situation. Other studies of adolescents have also reported similar results [24,25]. Therefore, to prevent adolescents’ suicide, a range of interventions to improve the sense of coherence should be implemented. These studies showed that it is important to establish supportive relationships involving family, friends, and school as one of the interventions.

Therefore, the significance of this study is as follows. First, this study presented a more detailed mechanism for the process, in which subjective family class influences suicidal ideation by explaining that social support helps improve a sense of coherence and reduces suicidal ideation. Therefore, this study can serve as the basis for scrutiny of the relationships in the family and school, which are the sources of social support for adolescent suicide prevention in the future and provides empirical evidence to develop intervention programs. In addition, further studies on other general resistance resources will be needed to improve the sense of coherence. In this regard, Langeland et al. [26] evaluated talk therapy as an intervention to improve the coping ability of a group of students facing problem situations. They reported that the therapy improves the sense of coherence.

Another significant result of this study is related to the depression variable. Depression is a significant risk factor for suicidal behavior, and it is known as a common symptom of people who have seriously contemplated committing suicide [27]. Several studies in Korea have also reported the association between depression and suicidal behavior in adolescents [9,28]. In the research model of the present study, depression had a significant effect on suicidal ideation, but the influence of a sense of coherence and social support on suicidal ideation did not disappear, even though the depression variable was entered and controlled in the model. This is believed to show that the subjective family class, social support, and sense of coherence are important factors influencing suicidal ideation separately from depression.

In this study, through an evaluation of the tool with experts and a verification of the statistical reliability, the sense of coherence scale was reconstructed using the items in the secondary data. This method has a limitation in that it is difficult to make a direct comparison with the measurement results obtained using Antonovsky’s [12] sense of coherence scale, which has already been verified and used widely in many countries. Therefore, in future studies on the sense of coherence, it is necessary to make international comparisons using the sense of coherence scale developed by Antonovsky [12]. Moreover, it is also necessary to develop and review a sense of coherence scale that reflects Korean culture.

**CONCLUSION**

In this study, the relationship between the subjective family class and suicidal ideation was examined, and the influence of a sense of coherence and social support on their relationship was investigated. The results showed that the process, in which subjective family class influences suicidal ideation, is mediated by a sense of coherence and social support.

Based on the results of this study, the following suggestions are presented. First, a low subjective family class had a significant effect on mental health, including suicidal ideation. Therefore, adolescents who perceive their family to belong to a low social class should be a priority target group for suicide prevention projects. In addition, because a lower socioeconomic status is associated with lower social support from the family, it is necessary to provide a support system in school or society.

Second, it is necessary to provide interventions to improve the sense of coherence of adolescents to prevent suicide. Relationship networks or support systems involving the family, friends, and teachers, as well as those in society, should be established as a prerequisite to improving the sense of coherence of adolescents. In addition, there is a need to provide interventions to enhance the ability to cope with each problem situation. Finally, it is necessary to develop a tool to measure the sense of coherence that reflects Korean culture. In addition, it is necessary to conduct international comparative research through repeated studies using the sense of coherence scale developed by Antonovsky [12].
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