

: , , 가 ,

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**

1. 1997
5,856 (: 4,041 , :
1,815) , 15 24
986 (: 619 , : 367)
(Ministry of Culture and Sports, 1996)
가

가 가
20

WHO(1999) 2020 (Rohde et al, 1991).
153 ,
10-20 Min (1986)

가 , , ,
가 가 ,
1960 ,
5 1985 2 ,
, 1988 15-29
2,059 15 243
(National Center for Health 10
Statistics, 1991).
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* 2000

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2001 9 10

2001 9 12

2002 3 12

- 3)
 - (1)

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가 , , ,

(APA, 1994).
 2.

* :

, Zung(1965) 가
 - 1)

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 - 2)

(가

, 가) (2)

* : 15
 - 3)

, 가 가 , , 가 ,

, , , 가
3.
 - 1)

(APA, 1994).

* : (Kim & Kim, 2000)

(Schneidman, 1985),

* : (3)

(Kim & Kim, 2000) * : (socialization)

가 (Crowne & Marlowe, 1960).

* : (Kim & Kim, 2000)

, 가 가 , 가

가 (LeBlanc, 1992).
 - (4)

* : (Kim & Kim, 2000) 가 (Kaplan, Sadock & Grebb, 1994).

* :

(proportional stratified random sampling method) (-)

Langner(1962) (, , ,)

Zung(1971) 가

24 2 2 600 11 6

(5) / 2 8 378

* : , 978(:600 , :378) 56 922 94.3% .

(Krug & Cass, 3. 1987).

* : / 1) 가 (Kim & Kim, 2000) (Kim & Kim, 2000) 가 (7), 가 (7), 가 (14), - (12), 가 가 (4), 가 (3) (3) 7 가 (Folkman, 1984).

* : 6 Cronbach's Alpha = 0.68 (Kim & Kim, 2000) 0.89 .

2)

I(20) Zung (1965) 가 , I (12) Langner(1962) , II(26), (34), (11), II (10), (9) (30) (Kim & Kim, 2000) 1 2000) . Cronbach's Alpha = 3 600 378 0.63 0.86 .

4.

가 12 18 가 .

922 100
10.8% , 822 89.2%
<Table 1 >.
10.5% ,
2 11.8%
($\chi^2 = 0.32$, df= 1,
가 p = .572), 17 18 가 16.9%
가 가 15 16 가
($\chi^2 = 20.19$, df= 2, p= .001).
19.6%
5.1% 3
5. ($\chi^2 = 48.52$, df= 1, p= .001)<Table 2>.
2.
IBM PC
SAS
2
(43.3%)
(19.1%) ,
(80.9%) (56.7%)
($\chi^2 = 6.77$, df= 1, p= .009).
1. , 12 14 (66.7%)가

<Table 1> Number of Subjects

| | Non-attempter* | Attempter** | Total |
|---------------------|----------------|-------------|-------|
| Total | 862(88.1) | 116(11.9) | 978 |
| Respondents | 822(89.2) | 100(10.8) | 922 |
| Rate of response(%) | 95.4 | 86.2 | 94.3 |

* : Non-attempter : Non-suicidal attempter,

** : Attempter : Suicidal attempter

<Table 2> Juvenile suicidal attempt rate by sex, age & group (%)

| Variables | Total | Non-attempter | Attempter | χ^2 | df | p |
|-------------|-------|---------------|-----------|----------|----|------|
| Sex | | | | | | |
| Male | 597 | 534(89.5) | 63(10.5) | 0.32 | 1 | .572 |
| Female | 314 | 277(88.2) | 37(11.8) | | | |
| Total | 911 | 811(89.1) | 100(10.9) | | | |
| Age | | | | | | |
| 12- 14 | 292 | 277(94.9) | 15(5.1) | 20.19 | 2 | .001 |
| 15- 16 | 358 | 319(89.1) | 39(10.9) | | | |
| 17- 18 | 272 | 226(83.1) | 46(16.9) | | | |
| Total | 922 | 822(89.2) | 100(10.8) | | | |
| Group | | | | | | |
| Student | 555 | 527(94.9) | 28(5.1) | 48.52 | 1 | .001 |
| Delinquency | 367 | 295(80.4) | 72(19.6) | | | |
| Total | 922 | 822(89.2) | 100(10.8) | | | |

<Table 3> Suicidal attempter rater by sex & age among suicidal attempters

| Variables | Total | Student | Delinquency | χ^2 | df | p |
|-----------|-------|-----------|-------------|----------|----|------|
| Sex | | | | | | |
| Male | 63 | 12 (19.1) | 51 (80.9) | 6.77 | 1 | .009 |
| Female | 37 | 16 (43.3) | 21 (56.7) | | | |
| Total | 100 | 28 (28.0) | 72 (72.0) | | | |
| Age | | | | | | |
| 12- 14 | 15 | 10 (66.7) | 5 (33.3) | 14.85 | 2 | .001 |
| 15- 16 | 39 | 11 (28.2) | 28 (71.8) | | | |
| 17- 18 | 46 | 7 (15.2) | 39 (84.8) | | | |
| Total | 100 | 28 (28.0) | 72 (72.0) | | | |

<Table 4> Mean difference of family dynamic environment between student attempter & delinquent attempter

| Variables | Group | N | Mean \pm SD | t | p |
|-----------------------------------|-------------|----|-------------------|-------|-------|
| Paternal child-rearing | Student | 22 | 18.68 \pm 7.27 | -0.59 | .5577 |
| | Delinquency | 70 | 19.70 \pm 7.02 | | |
| Maternal child-rearing | Student | 23 | 16.52 \pm 6.05 | -0.81 | .4222 |
| | Delinquency | 69 | 17.68 \pm 5.95 | | |
| Family stability | Student | 25 | 11.50 \pm 2.30 | -1.14 | .2574 |
| | Delinquency | 66 | 11.42 \pm 1.41 | | |
| Parent-child relationship | Student | 25 | 29.40 \pm 8.60 | -1.02 | .3090 |
| | Delinquency | 58 | 31.78 \pm 10.13 | | |
| Satisfaction toward family | Student | 21 | 10.95 \pm 5.06 | 0.10 | .9239 |
| | Delinquency | 63 | 10.84 \pm 4.44 | | |
| Relationship among family members | Student | 26 | 8.73 \pm 2.66 | -1.43 | .1575 |
| | Delinquency | 72 | 9.61 \pm 2.71 | | |

<Table 5> Mean difference of personality between student attempter & delinquent attempter

| Variables | Group | N | Mean \pm SD | t | p |
|--------------------------------|-------------|----|-------------------|-------|-------|
| Psychosomatic sx | Student | 23 | 23.13 \pm 5.59 | -2.99 | .0037 |
| | Delinquency | 57 | 26.74 \pm 4.58 | | |
| Sociability | Student | 22 | 38.82 \pm 8.58 | 1.68 | .0956 |
| | Delinquency | 66 | 34.95 \pm 9.54 | | |
| Need satisfaction/ frustration | Student | 26 | 29.04 \pm 6.69 | -0.14 | .8871 |
| | Delinquency | 59 | 29.24 \pm 3.51 | | |
| Life satisfaction | Student | 27 | 3.19 \pm 2.11 | -0.42 | .6775 |
| | Delinquency | 71 | 3.38 \pm 2.05 | | |
| Depressive trend | Student | 23 | 34.30 \pm 13.02 | -1.19 | .2368 |
| | Delinquency | 62 | 37.58 \pm 10.56 | | |
| Ways of coping | Student | 28 | 25.61 \pm 4.98 | 0.13 | .8987 |
| | Delinquency | 68 | 25.46 \pm 5.39 | | |

가 , 17 가
 18 (84.8%)가 가 <Table 4 , Table 5 >.
 ($\chi^2 = 14.85$, df=2, p= .001)<Table 3 >.
 3. 가 , 가 ,
 가 가

<Table 6> Family pathology between non-attempter & attempter (%)

| Variables | Total | Non-attempter | Attempter | χ^2 | df | p |
|-------------------------|-------|---------------|-----------|----------|----|------|
| Incest | | | | | | |
| No | 902 | 807(89.5) | 95(10.5) | | | |
| Yes | 20 | 15(75.0) | 5(25.0) | 4.24 | 1 | .040 |
| Total | 922 | 822(89.2) | 100(10.8) | | | |
| Psychosis | | | | | | |
| No | 894 | 803(89.8) | 91(10.2) | | | |
| Yes | 28 | 19(67.9) | 9(32.1) | 13.55 | 1 | .001 |
| Total | 922 | 822(89.2) | 100(10.8) | | | |
| Depression | | | | | | |
| No | 850 | 774(91.1) | 76(8.9) | | | |
| Yes | 72 | 48(66.7) | 24(33.3) | 40.84 | 1 | .001 |
| Total | 922 | 822(89.2) | 100(10.8) | | | |
| Suicidal attempt&commit | | | | | | |
| No | 842 | 784(93.1) | 58(6.9) | | | |
| Yes | 80 | 38(47.5) | 42(52.5) | 157.19 | 1 | .001 |
| Total | 922 | 822(89.2) | 100(10.8) | | | |
| Epilepsy | | | | | | |
| No | 891 | 797(89.5) | 94(10.5) | | | |
| Yes | 31 | 25(80.7) | 6(19.4) | 2.40 | 1 | .121 |
| Total | 922 | 822(89.2) | 100(10.8) | | | |
| Chronic illness | | | | | | |
| No | 784 | 704(89.8) | 80(10.2) | | | |
| Yes | 138 | 118(85.5) | 20(14.5) | 2.23 | 1 | .135 |
| Total | 922 | 822(89.2) | 100(10.8) | | | |
| Alcoholism | | | | | | |
| No | 853 | 773(90.6) | 80(9.4) | | | |
| Yes | 69 | 49(71.0) | 20(29.0) | 25.38 | 1 | .001 |
| Total | 922 | 822(89.2) | 100(10.8) | | | |

가 (t=-2.07, p= .0387) 가 ,
가 (t=-4.44, p= .0000) 가 가
($\chi^2=4.24$, df= 1, p= .040), ($\chi^2=13.55$,
df= 1, p= .001), ($\chi^2=40.84$, df= 1, p=
.001), ($\chi^2=157.19$, df= 1, p=
.001), ($\chi^2=25.38$, df= 1, p= .001)
가 가 (t=-3.77, p= .0003)
(t=-3.20, p= .0014)가
<Table 7 >.
가
가 , , (t=-5.22, p= .0001), (t=-4.52,
가 가 p= .0001), (t=-5.33, p= .0000)
가 (t=3.75, p= .0002)
가 (t=1.94, p= .0526)
(t=-1.04, p= .2988)
<Table 6> 가 , 가 <Table 8 >.
가
(t=-2.52, p= .0120) 가

<Table 7> Mean difference of family dynamic environment between non-attempter & attempter

| Variables | Group | N | Mean \pm SD | t | p |
|-----------------------------------|---------------|-----|-------------------|-------|-------|
| Paternal child-rearing | Non-attempter | 740 | 17.51 \pm 6.97 | -2.52 | .0120 |
| | Attempter | 92 | 19.46 \pm 7.05 | | |
| Maternal child-rearing | Non-attempter | 751 | 16.09 \pm 5.66 | -2.07 | .0387 |
| | Attempter | 92 | 17.39 \pm 5.96 | | |
| Family stability | Non-attempter | 758 | 30.32 \pm 10.59 | -4.44 | .0000 |
| | Attempter | 91 | 35.58 \pm 11.47 | | |
| Parent-child relationship | Non-attempter | 720 | 26.64 \pm 7.52 | -4.01 | .0001 |
| | Attempter | 83 | 31.06 \pm 9.70 | | |
| Satisfaction toward family | Non-attempter | 731 | 8.73 \pm 3.98 | -4.60 | .0000 |
| | Attempter | 84 | 10.87 \pm 4.57 | | |
| Relationship among family members | Non-attempter | 799 | 8.30 \pm 2.29 | -3.77 | .0003 |
| | Attempter | 98 | 9.38 \pm 2.72 | | |
| Working mother | Non-attempter | 719 | 7.44 \pm 2.70 | -3.20 | .0014 |
| | Attempter | 93 | 8.40 \pm 2.90 | | |

<Table 8> Mean difference of personality between non-attempter & attempter

| Variables | Group | N | Mean \pm SD | t | p |
|-----------------------------------|---------------|-----|-------------------|-------|-------|
| Psychosomatic sx | Non-attempter | 702 | 22.59 \pm 4.28 | -5.22 | .0001 |
| | Attempter | 80 | 25.70 \pm 5.12 | | |
| Sociability | Non-attempter | 767 | 34.88 \pm 8.83 | -1.04 | .2988 |
| | Attempter | 88 | 35.92 \pm 9.41 | | |
| Need satisfaction/ frustration | Non-attempter | 744 | 26.69 \pm 5.77 | -4.52 | .0001 |
| | Attempter | 85 | 29.18 \pm 4.67 | | |
| Life satisfaction | Non-attempter | 785 | 4.15 \pm 2.04 | 3.75 | .0002 |
| | Attempter | 98 | 3.33 \pm 2.06 | | |
| Depressive trend | Non-attempter | 683 | 30.47 \pm 10.01 | -5.33 | .0000 |
| | Attempter | 85 | 36.69 \pm 11.29 | | |
| Ways of coping | Non-attempter | 767 | 26.61 \pm 5.27 | 1.94 | .0526 |
| | Attempter | 96 | 25.50 \pm 5.25 | | |

(Peterson, 1988)

가

가 가

가

가

10.9%

20.5%가

17 18 가

15.7%

7.7% 가

15 16 가

가

2.6%

가

(CDC, 1995).

40

3 가

가

(CDC,

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(, 1998).

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378 (37.8%)

(,), (가

), (,),

15-19 (, , ,)

(Rutter, 1986) (,)

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3 Harter, Marold

가 Whitesell(1992)

가 (Botsis, Plutchik, Kotler & van Praag, 1995))가

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가 가

(Young, 1994) 가

. Botsis (1995) 가

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가 (deWilde, Kienhorst, Dickstra & Wolters, 1993). 가

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가

(Gould, Fisher, Parides, Flory & Shaffer, 1996), 가 가 (Lewinsohn, , 가 Rohde & Seely, 1993) 가 . 가 가 , 가 (McKeown et al., 1997) (Brent, 1995). 가 가 가 (Harris & Molock, 2000) 가 (10%, 1%), (25-50%) 가 (33-70 %) 가 , 가 (McKeown et al., 1998) 가 가 가 9 (Brent, 1995). (link) 가 가 (relate) 가 가 가 가 가 Erikson 가 (Gould et al., 1996)

References

- Kim, H. S., & Kim, H. S. (2000). *Questionnaire for Mental Health Status for Korean Adolescents*. University of Ulsan College of Medicine, Asan Medical Center Seoul.
- Kim, H. S., Min, B. K., & Kim, H. S. (1992). Correlation between delinquent and their character pattern and family dynamics. *Ulsan Univ Med J*, 1(1), 188-205.
- Ministry of Culture and Sports (1996). White paper for adolescents of Korea. Seoul, Korea.
- Min, B. K., Lee, K. H., Lee, J. K., Kim, H. S., Park, D. B., Na, C., & Park, K. S. (1986). Socialpsychiatric Study on Difference of Suicidal Pattern between Student Adolescent and Delinquent Adolescent in Korea. *Journal of Korean Medical Science*, 18(1), 24-40.
- American Psychiatric Association (1994).

- Diagnostic and statistical manual of mental disorders. 4th ed, Washington, D.C. : American Psychiatric Association.
- Botsis, A. J., Plutchik, R., Kotler, M., & van Praag H. M. (1995). Parental loss and family violence as correlates of suicide and violence risk. *Suicide Life Threat Behav*, 25(2), 253-260.
- Brent, D. A. (1995). Risk factors for adolescent suicide and suicidal behavior: Mental and substance abuse disorders, family environmental factors, and life stress. *Suicide Life Threat Behav*, 25, 52-63.
- Centers for Disease Control. (1995). Suicide among children, adolescents, and young adults - United States, 1980-1992. *Morbidity and Mortality Weekly Report*, 44,239-291.
- Centers for Disease Control. (1999). Deaths : Final data for 1997. *National Vital Statistics Reports*, 47(19), 1-108.
- Crowne, D. P., & Marlowe, D. (1960). A new scale of social desirability independent of psychopathology. *J Consult Psychol*, 24(4), 349-354.
- deWilde, E. J., Kienhorst, C. M. W., Diekstre, R. F. W., & Wolters, W. H. G. (1993). The specificity of psychological characteristics of adolescent suicide attempters. *J Am Acad Child Adolesc Psychiatry*, 32, 51-59.
- Folkman, S. (1984). Personal control and stress and coping processes : A theoretical analysis. *J Pers Soc Psychol*, 46, 839-852.
- Gould, M. S., Fisher, P., Parides, M., Flory, M., & Shaffer, D. (1996). Psychosocial risk factors for child and adolescent completed suicide. *Arch Gen Psychiatry*, 53, 1155-1162.
- Harris, T. L., Molock, S. D. (2000). Cultural orientation, family cohesion, and family support in suicide ideation and depression among African American college students. *Suicide Life Threat Behav*, 30(4), 341-353.
- Harter, S., Marold, D. B., & Whitesell, N. R. (1992). Model for psychosocial risk factors leading to suicidal ideation in young adolescents. *Development and Psychopathology*, 4, 167-188.
- Kaplan, H. I., Sadock, B. J. & Grebb, J. A. (1994). Synopsis of psychiatry. 7th ed, Baltimore : Williams & Wilkins, pp 171-752.
- Krug, R. S., & Cass, A. R. (1987). Behavioral sciences. New York, Springer-Verlag, pp3-52.
- Langner, T. S. (1962). A twenty-two item screening score of psychiatric symptoms indicating impairment. *J Health Hum Behav*, 3, 269-276.
- LeBlanc, M. (1992). Family dynamics, adolescent delinquency, and adult criminality. *Psychiatry*, 55, 336-353.
- Lewinsohn, P. M., Rohde, P., & Seely, J. R. (1994). Psychosocial risk factors for future adolescent suicide attempts. *J Consult Clin Psychol*, 62, 297-305.
- McKeown, R. E., Garrison, C. Z., Jackson, K. L., Cuffe, S. P., Addy, C. L., & Waller, J. L.(1997). Family structure and cohesions, and depressive symptoms in adolescents. *Journal of Research on Adolescence*, 7(3), 267-2281.
- National Center for Health Statistics (1991). Vital statistics of United States: Vol. 2. Mortality-part A(for the years 1966-1988). Washington. DC: U.S. Government Printing Office.
- Petersen, A. C. (1988). Adolescent Development. *Annu Rev Psychol*, 39, 583-607.
- Rohde, P., Lewinsohn, P., & Seeley, J. R. (1991). Comorbidity of unipolar depression: Comorbidity with other mental disorders in adolescents and adult. *J Abnorm Psychol*, 100, 214-222.
- Rutter, M. (1986). The developmental psychopathology of depression : Issues and

- perspectives. In M.Rutter, CEI Zard & PB Read(Eds.), *Depression in young people* (pp. 3-30). New York: Guilford.
- Shneidman, E. (1985). *Definition of Suicide*, Wiley, New York, U.S.A.
- World Health Organization (1999). *Figures and facts about suicide (DOC·WHO/MNH/MBD/99.1)*. WHO : Geneva.
- Young, D. (1994). Behaviors and attributions : Family views of adolescent psychopathology. *Journal of Adolescent Research*, 9(4), 427-441.
- Zung, W. W. K. (1965). A self-rating depression scale. *Arch Gen Psychiatry* 2,63-70.
- Zung, W. W. K. (1971). A rating instrument for anxiety disorders. *Psychosomatics* 12,371-379.

- Abstract -

Correlation between Personality, Family Dynamic Environment and Suicidal attempt among Korean Adolescents Population *

Kim, Hyun-Sil **

Purpose: The purpose of this study was to identify the rate of suicidal attempts, investigate difference of rate of suicidal attempts between students and delinquents, and examine correlation between personality, family dynamics, environment, and suicidal attempts among Korean adolescents.

Method: Data were collected through questionnaire surveys. Internal consistencies for this questionnaire ranged from 0.63 to 0.88. The subject used in this study consisted of 922(delinquent : 367, student : 555), using the proportional stratified random sampling method. Statistical methods employed were Chi-square and t-test.

Results:

The rate of suicidal attempts were 10.8%, and the highest peak age of suicidal attempt was 17-18 year old (16.9%).

Delinquents(19.6%) showed a higher rate of suicidal attempts than students (5.1%). Among the students, girls (43.3%) showed a higher rate of suicidal attempt than boys (19.1%). Whereas, boys (80.9%) showed a higher rate of suicidal attempt than girls (56.7%) among delinquents.

Those who attempt suicide have more familial problem such as incest, psychosis, depression, attempted suicide, committed suicide, and alcoholism in their family. They also have more dysfunctional family dynamics, environment, and maladaptive personalities than non-attempters.

Conclusions: Suicide and suicidal behaviors are multifaceted events. For suicide prevention, independent assessments of variables such as familial problems, personality, family dynamics, and environment must be considered.

Key words : Adolescent, Personality, Family Dynamic Environment, Suicidal Attempt

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