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THE PREVALENCE OF EXTERNALIZING AND INTERNALIZING **BEHAVIOR PROBLEMS AMONG PREADOLESCENTS AND ADOLESCENTS INTRANSYLVANIA**

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Introduction

The prevalence of ODD and CD in Castile and Leon, Spain is 5.6% according to a previous study [5].

According to a national survey in Spain, 22.1% of 4-15 year old Spanish children and adolescents show risk factors for mental problems or behavioral disorders (eg. behavioral problems) [8]. In another study researchers found emotional problems ranged from 8.7-22.6%, while behavioral problems ranged from 2.4-14.6% in a population of 11-18 years of age [9].

In a Shri Lanka pop<mark>ulation o</mark>f 7-11 years, 13.8% of emotional and behavioral problems have been found, where 8.8% of children showed internalization problems and 8.8% externalization problems. Male participants showed higher externalization problems than female participants [4].

Aims of the study

The main purpose of the research is to calculate the prevalence of preadolescent and adolescent externalizing and internalizing behavioral problems in a population of 10-19 years old preadolescents and adolescents using the self-reported form of the Hungarian version of CBCL. The goal of the research is to examine the results using the standard values and the mean of the

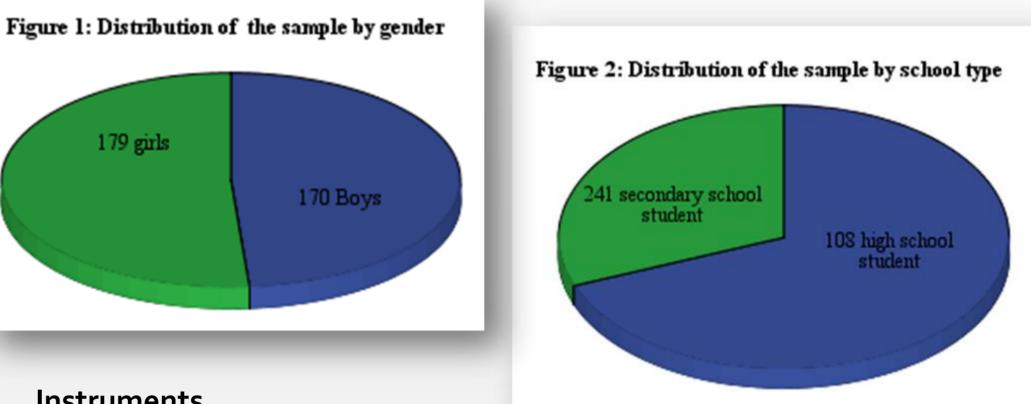
Methods

Participants

-170 boys (N= 170) and 179 girls (N= 179) completed the questionnaires

-the average age of boys is M=13.59 (SD=2.36), the average age of female participants is M=13.84 (SD=2.49)

-there were 241 (n=241) secondary school participants, and 108 (n=108) high school participants



population to create the categories.

Results

Table 1- The distribution of values by	gender based on	the stand	ard values						
Gender	Disorder								
	Internalization			Externalization			TPS		
	Ν	S	С	Ν	S	С	Ν	S	C
Female N (%)	141(40.4)	26(7.4)	12(3.4)	169(48.4)	8(2.3)	2(0.6)	152(43.6)	24(6.9)	3(0.9)
Male N (%)	148(42.4)	17(4.9)	5(1.4)	138(39.5)	20(5.7)	12(3.4)	146(41.8)	17(4.9)	7(2.0)
Total N (%)	289(82.8)	43(12.3)	17(4.9)	307(88.0)	28(8.0)	17(4.0)	298(85.4)	41(11.7)	10(2.9)
Chi square test (significance)			4.40(0.01)			15.19(0.00)			2.69(0.26)
N-Normal, S-Subclinical, C-Clinical									

Table 2- The distribution of values by age/school based on the standard values									
Age/School	Disorder								
	Internalization			Externalization			TPS		
	Ν	S	С	Ν	S	С	Ν	S	С
Secondary N (%)	195(55.9)	32(9.2)	14(4.0)	216(61.9)	17(4.9)	8(2.3)	205(58.7)	28(8.0)	8(2.3)
High school N (%)	94(26.9)	11(3.2)	3(0.9)	91(26.1)	11(3.2)	6(1.7)	93(26.6)	13(3.7)	2(0.6)
Total N (%)	289(82.8)	43(12.3)	17(4.9)	307(88.0)	28(8.0)	14(4.0)	298(85.4)	41(11.7)	10(2.9)
Chi square test (significance)			2.32(0.31)			2.09(0.35)			0.58(0.75)
N-Normal, S-Subclinical, C-Clinical									

Table 3- The distribution of values by gender based on one deviation from the mean Gender Disorder Internalization Externalization TPS С S С S Ν Ν Ν 100(28.7) 50(14.3) 29(8.3) Female N (%) 66(18.9) 28(8.0) 132(37.8) 85(24.4) 35(10.0) 12(3.4) Male N (%) 91(26.1) 107(30.7) 46(13.2) 17(4.9) 45(12.9) 34(9.7) 96(27.5)

112(32.1) 45(12.9)

192(55.0)

Instruments

-Child Behavior Checklist [1] Hungarian version

S

196(56.2) 98(28.1) 55(15.8)

С

48(13.8) 26(7.4)

-6 subscales: relationship problems, anxiety and depression, somatization, attention problems, deviant behavior and aggression

-3 derived subscales: total problem score (TPS), externalization, internalization

Conclusion

- Based on the standard values: 2.9% of population showed the study emotional and behavioral problems.
- Externalizing problems were found in 4.0% of the study population. Internalizing problems were observed in 4.9% of the preadolescents and adolescents studied.
- Based on one deviation from the own mean of the population: 15.8% of the study population had emotional and behavioral problems. Externalizing problems were found in 13.2%, and internalizing problems were observed in 12.9% of the study population.
- The prevalence of externalization was significantly higher among male preadolescents and adolescents
- Internalization problems were significantly higher among female preadolescents and adolescents.
- Preadolescents scored higher on externalization subscale compared to

Chi square test (significance)	8.56(0.01)	19.09(0.00)	.54(0.97)
N-Normal, S-Subclinical, C-Clinical			

8.56(0.01)

223(63.9)

Table 4- The distribution of values by age/school based on one deviation from the mean									
Age/School	Disorder								
	Internalization			Externalization			TPS		
	Ν	S	С	Ν	S	С	Ν	S	С
Secondary N (%)	133(38.1)	75(21.5)	33(9.5)	167(47.9)	45(12.9)	29(8.3)	139(39.8)	64(18.3)	38(10.9)
High school N (%)	59(16.9)	37(10.6)	12(3.4)	56(16.0)	35(10.0)	17(4.9)	57(16.3)	34(9.7)	17(4.9)
Total N (%)	192(55.0)	112(32.1)	45(12.9)	223(63.9)	80(22.9)	46(13.2)	196(56.2)	98(28.1)	55(15.8)
Chi square test (significance)			.62(0.73)			10.47(0.01)			.96(0.62)
N-Normal, S-Subclinical, C-Clinical									

References

Total N (%)

Chi square test (significance)

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the adolescents, when the results were examined based on one deviation from the own mean of the population.

- These results can draw attention to these behavior problems, and help to make preventions and interventions.
- In further research it is recommended to examine the risk and protective of internalizing factors and externalizing problems.