# The effect of the drug use prevention program Unplugged on alcohol use in the Slovak Republic



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## Background

Improving the implementation of evidence-based drug use prevention is an important task for both academics and practitioners. It is especially important to monitor the effectiveness of culturally adopted prevention programs among schoolchildren.

The aim of this study was to explore the effectiveness of the Unplugged program in the context of Slovak primary schools. This study focused specifically on the effect which the program had on alcohol consumption and the incidence of drunkenness (during the past month) between the baseline and two follow-ups.

# Unplugged

• Universal school-based program for preventing smoking, substance use and alcohol abuse among early adolescents adolescents (<u>www.eudap.net</u>)

- Based on the Comprehensive Social Influence model
- Consisted of twelve 45-minute lessons for pupils in primary schools.
- Administered by teachers trained in Unplugged (3-day course).

# **Study design and sample description**

A cluster randomized controlled trial was carried out in 2013/2014 with 678 pupils (M=13.09; 43.7%) boys).

The schools were randomly selected and assigned to:

- the experimental group (30 schools, 289 pupils with intervention; 12 weekly classes of schoolbased drug use prevention program Unplugged)
- the control group (30 schools, 389 pupils without intervention). The data collection was carried out:
- at the baseline immediately before the implementation of the program (T1)
- at the 3 month follow-up (T2)
- at the 18 month follow up (T3)

# **Statistical analyses**

Logistic regression analyses at T2 and T3 follow-ups (adjusted for gender, baseline prevalence of alcohol use and the incidence of drunkenness) were performed to assess the effect of the program.

# Conclusion

A short-term effect of the Unplugged program on the incidence of drunkenness among Slovak pupils was found. Main messages:

# Three months after completing the Unplugged program, there was a significant program effect on the incidence of drunkenness among Slovak pupils.

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### Results

Alcohol consumption

- T3.
- ups (Table 1). Drunkenness
- to 4.9% in the control group.

Table 1 The effect of the and 18 months (T3) after t

Alcohol consumption T1 Gender Unplugged

Table 2 The effect of the (T2), and 18 months (T3) a

Drunkenness T1

Gender

Unplugged

\*p≤0.05, \*\*\*\*p≤0.001



• The prevalence of alcohol consumption increased from 10% to 21.5% in both groups beween T1 and

• There was no significant effect of the program on decreasing alcohol consumption at T2 & T3 follow-

• The incidence of drunkenness increased from 1.7% to 2.7% in the experimental group and from 1.8%

• The pupils who participated in the program were less likely to report the incidence of drunkenness than the pupils from the control group three-months after completing the program.

				tween the base	eline (T1), 3 months (T2)	
	mplementation of the program among Slovak pupils Alcohol consumption T2			Alcohol consumption T3		
OR	95% C.I.for	•	OR	95% C.I.for EXP(B)		
	Lower	Upper		Lower	Upper	
5.751*	3.444	9.604	3.630***	2.090	6.305	
0.847	0.562	1.279	0.647*	0.440	0.952	
1.062	0.700	1.613	1.031	0.698	1.522	
0.094			0.062			
<u> </u>	plugged program on incidence of drunkenness (during or the implementation of the program among Slovak pu Drunkenness T2					
ter the im	plementation of the p	rogram among Sloval		Drunkenne		
ter the im OR	plementation of the p	rogram among Sloval ess T2			ss T3	
	plementation of the p Drunkenn	rogram among Sloval ess T2	k pupils	Drunkenne	ss T3	
	Drunkenn 95% C.I.for Lower	rogram among Sloval ess T2 EXP(B)	k pupils	Drunkenne 95% C.I.for E	ss T3 EXP(B)	
OR	Drunkenn 95% C.I.for Lower	rogram among Sloval ess T2 EXP(B) Upper	k pupils OR	Drunkenne 95% C.I.for E Lower	ss T3 EXP(B) Upper	
OR 25.042	Image: splementation of the pDrunkenn95% C.I.forLower***5.4640.153	rogram among Sloval ess T2 EXP(B) Upper 114.767	k pupils OR 13.745***	Drunkenne 95% C.I.for E Lower 3.238	ss T3 EXP(B) Upper 58.344	

