

## *Supplementary Materials*

### **1 Factors associated with PTN group: univariate analyses**

#### *Statistical analysis*

Low and good PTN groups were compared on socio-demographic variables (age, sex, bachelor's degree) and addiction related factors (addiction criteria, main addiction, current use, duration of regular use, current use problems, population, current poly-addiction), using Wilcoxon ( $z$ ) and  $\chi^2$  of Pearson tests ( $\chi^2$ ),  $p$ -value set at 0.0009 after Bonferroni correction (Supplementary Table 1).

### **2 PTN – craving association by main addiction**

#### *Statistical analysis*

Wilcoxon tests examined the association between craving variables (frequency, mean and maximal intensities) and PTN level (independent variable) for each main addiction,  $p$ -value set at 0.0009 after Bonferroni correction (Supplementary Table 2).

**Supplementary Table 1.** Demographic and substance-related characteristics in the Low PTN and Good PTN groups ( $n=663$ ).

	Mean ( <i>SD</i> ) or percentage ( <i>n</i> )		Coef.	<i>p</i> -value
	Good PTN ( <i>n</i> =566)	Low PTN ( <i>n</i> =97)		
<i>Socio-demographic variables</i>				
Age <sup>a</sup>	39.4 (11.1)	35.9 (10.7)	-3.17	0.002
Sex (male) <sup>b</sup>	67.5% (382)	77.3% (75)	3.74	0.053
Bachelor's degree ( <i>n</i> =659, Yes) <sup>b</sup>	50.8% (286)	36.5% (35)	6.75	0.009
<i>Addiction related factors</i>				
Addiction criteria <sup>a</sup>	8.7 (1.6)	8.3 (1.7)	-2.21	0.027
Current use (days; <i>n</i> =642) <sup>a</sup>	21.2 (11.2)	19.8 (12.1)	-1.07	0.284
Duration of regular use (years; <i>n</i> =647) <sup>a</sup>	15.7 (10.9)	13.5 (10.1)	-1.78	0.076
Population <sup>b</sup>			204.91	<b>&lt;.0001*</b>
Addictaqui	95.8% (542)	45.4% (44)		
Cosinus	4.2% (24)	54.6% (53)		
Main addiction <sup>b</sup>			20.99	<b>&lt;.001*</b>
Alcohol	44.7% (253) <sup>#</sup>	30.9% (30)		
Cannabis	16.3% (92)	17.5% (17)		
Opiates	13.4% (76)	30.9% (30) <sup>#</sup>		
Stimulants	9.2% (52)	9.3% (9)		
Tobacco	16.4% (93) <sup>#</sup>	11.3% (11)		
<i>Other factors</i>				
Current poly-addiction (Yes) <sup>b</sup>	79.3% (449)	89.7% (87)	5.74	0.017

Notes: Number of subjects (*n*) is precise when data are missing when it is not  $n=663$ . Legends: a. mean (*SD*) Wilcoxon test (*z*); b. % (*n*)  $\chi^2$  of Pearson; #: main addiction significantly different (post-hoc comparisons,  $p < 0.05$ ). Addiction related factors are described only for the main addiction. Significant comparisons after Bonferroni corrections were marked using standard representation: \*; significance level:  $p < 0.0009$ .

**Supplementary Table 2.** Univariate analyses between PTN and craving by main addiction.

	Craving								
	Frequency			Mean intensity			Maximal intensity		
	Mean (SD)	Coef.	<i>p</i> -value	Mean (SD)	Coef.	<i>p</i> -value	Mean (SD)	Coef.	<i>p</i> -value
<b><i>Alcohol</i></b>	<i>n</i> =280	-4.55	<.0001*	<i>n</i> =282	-3.25	0.001	<i>n</i> =283	-4.73	<.0001*
Low PTN	6.7 (11.9)			3.3 (3.9)			4.0 (4.2)		
Good PTN	16.8 (12.1)			5.9 (3.2)			7.6 (3.5)		
<b><i>Stimulants</i></b>	<i>n</i> =61	-1.84	0.065	<i>n</i> =61	-2.20	0.027	<i>n</i> =61	-2.86	0.004
Low PTN	12.2 (12.2)			4.2 (3.0)			5.7 (3.7)		
Good PTN	20.3 (11.4)			6.7 (2.9)			8.4 (3.0)		
<b><i>Tobacco</i></b>	<i>n</i> =104	-2.40	0.017	<i>n</i> =103	-0.42	0.674	<i>n</i> =104	-1.91	0.056
Low PTN	12.1 (14.3)			5.5 (4.1)			6.0 (4.1)		
Good PTN	22.5 (11.8)			6.5 (2.9)			7.9 (3.0)		
<b><i>Opiates</i></b>	<i>n</i> =105	-3.44	<.001*	<i>n</i> =105	-2.12	0.034	<i>n</i> =105	-1.74	0.082
Low PTN	7.6 (11.4)			3.4 (4.0)			4.6 (4.9)		
Good PTN	17.4 (13.4)			5.3 (3.5)			6.8 (3.9)		
<b><i>Cannabis</i></b>	<i>n</i> =109	-2.43	0.015	<i>n</i> =109	-2.36	0.019	<i>n</i> =109	-1.92	0.055
Low PTN	12.8 (13.1)			4.5 (2.9)			6.4 (3.5)		
Good PTN	20.2 (11.6)			6.1 (2.3)			8.0 (2.6)		

Notes: All analyses are Wilcoxon test (*z*). Significant comparisons after Bonferroni corrections were marked using standard representation: \*; significance level: *p* < 0.0009.