

**Supplementary File 2:** Baseline covariates included in the propensity score model

<b>Covariate</b>	<b>Coding</b>
Gender	0=Male 1=Female
Age	Continuous variable in years
Academic grades <i>(self-reported usual grades)</i>	0=59% or below 1=60-69% 2=70-79% 3=80-89% 4=90-100%
Truancy <i>(number of days off school without parental permission in the past year)</i>	0=0 days 1=1.5days 2=4 days 3=8 days 5=10 days
Ever been offered ecstasy	0=Never been offered 1=Been offered
Ever used ecstasy	0=Never used 1=Used once or more
Ever used NPS	0=Never used 1=Used once or more
Ever used synthetic cannabis	0=Never used 1=Used once or more
Peer use of ecstasy <i>(proportion of peers who use ecstasy)</i>	0=None 1=Less than half 2=More than half
Ever used tobacco	0=Never used 1= Used once or more

Covariate	Coding
Frequency of binge drinking (5 or more standard alcoholic drinks on one occasion in the past 6 months)	0=Never 1=Less than monthly 2=Once a month 3=2-3 times per month 4=Weekly (e.g. every weekend) 5=Daily or almost daily
Ever used cannabis	0=Never 1=Tried once 2=Tried more than once and less than 5 times 3=Tried more than 5 times
Conduct problems	Continuous total score, derived from the Strengths and Difficulties Questionnaire (SDQ) <sup>1</sup> conduct subscale
Self-efficacy to resist peer pressure	Continuous total score, derived from an 8-item version of the Resistive Self-Regulatory Efficacy Scale <sup>2</sup>
Intentions to use ecstasy in the next 6 months	0=Very unlikely/unlikely/unsure 1=Likely/very likely
Beliefs about ecstasy and NPS (“Using ecstasy and NPS makes other people not want to be around you”)	0=Strongly agree 1=Agree 2=Disagree 3=Strongly Disagree
Beliefs about ecstasy and NPS (“Using ecstasy and NPS gets you into trouble”)	0=Strongly agree 1=Agree 2=Disagree 3=Strongly Disagree
Knowledge about ecstasy	Continuous total score, derived from a 15-item ecstasy knowledge scale
Peer deviance (relations with deviant peers)	Continuous total score, derived from an adapted 5-item peer deviance scale <sup>3</sup>
Emotional and behavioural difficulties	Continuous total score, derived from the SDQ
Knowledge about NPS	Continuous total score, derived from a 5-item NPS knowledge scale
Intentions to use synthetic cannabis in the next 6 months	0=Very unlikely/unlikely/unsure 1=Likely/very likely
Intentions to use synthetic stimulants in the next 6 months	0=Very unlikely/unlikely/unsure 1=Likely/very likely

Covariate	Coding
Intentions to use any NPS in the next 6 months	0=Very unlikely/unlikely/unsure 1=Likely/very likely
Psychological distress	Continuous total score, derived from the Kessler 6 scale <sup>4</sup>
Parenting monitoring	Continuous total score, derived from a 2-item parental monitoring scale
Frequency of alcohol use	0=Never 1=Less than monthly 2=Once a month 3=2-3 times per month 4=Weekly (e.g. every weekend) 5=Daily or almost daily

1. Goodman R. Psychometric Properties of the Strengths and Difficulties Questionnaire. *J Am Acad Child Adolesc Psychiatry* 2001;40(11):1337-45. doi: <http://dx.doi.org/10.1097/00004583-200111000-00015>
2. Bandura A, Caprara GV, Barbaranelli C, et al. Role of affective self-regulatory efficacy in diverse spheres of psychosocial functioning. *Child Dev* 2003;74(3):769-82. doi: 10.1111/1467-8624.00567
3. Svensson R. Gender differences in adolescent drug use the impact of parental monitoring and peer deviance. *Youth & Society* 2003;34(3):300-29.
4. Kessler RC, Andrews G, Colpe LJ, et al. Short screening scales to monitor population prevalences and trends in non-specific psychological distress. *Psychol Med* 2002;32(6):959-76. [published Online First: 2002/09/07]