

Table S1a Internal consistency of CUIQ, and CUIQ subscales for the RO group of participants
(N=142 number of data observations)

CUIQ subscale	No of items	Cronbach's alpha
Total CUIQ	15	0.843
Attitude	4	0.884
Subjective norm	3	0.759
Self-efficacy to abstinence	5	0.909
Intention	3	0.928

Table S1b Confirmatory factor analysis (CFA) analysis for CUIQ scale for the RO group of participants, based on the four factors originally identified: attitudes, subjective norm (SN), self-efficacy to abstinence (SEA), intention. (N=142 number of data observations)

Second order four-factor CFA model for CUIQ scale					
<i>Attitude</i> = \sim CUIQatt1 + CUIQatt2 + CUIQatt3 + CUIQatt4 <i>SN</i> = \sim CUIQsn1 + CUIQsn2 + CUIQsn3 <i>SEA</i> = \sim CUIQsea1 + CUIQsea2 + CUIQsea3 + CUIQsea4 + CUIQsea5 <i>Intention</i> = \sim CUIQint1 + CUIQint2 + CUIQint3 <i>Attitude</i> \sim SN + SEA <i>SN</i> \sim SEA <i>Intention</i> \sim Attitude + SN + SEA					
Fit indices (142 observations)					
Chi-square test		CFI		RMSEA	SRMR
197.735 (df=84) p<0.001		0.930		0.098 90% CI (0.080; 0.115)	0.078
Regressions ^(a)					
<i>Intention</i> ~					
	Attitude		0.423 ± 0.082		< 0.001**
	SN		0.825 ± 0.176		< 0.001**
	SEA		-0.378 ± 0.140		0.007**
Covariances ^(a)					
Attitude \sim SN			0.638 ± 0.123		< 0.001**
Attitude \sim SEA			-0.041 ± 0.0765		0.586
SN \sim SEA			-0.038 ± 0.045		0.393

^(a) regression coefficients and covariance values are expressed as estimate ± standard error, and p-values for statistical significance

Table S2a Internal consistency of DSO, and DSO subscales for the RO group of participants
(N=142 number of data observations)

ITQ-DSO subscale	No of items	Cronbach's alpha
Total DSO	9	0.922
Affect dysregulation (AD)	2	0.594
Negative self-concept (NSC)	2	0.874
Disturbances in relationships (DR)	2	0.738
DSO-related functional impairment	3	0.933

Table S2b Confirmatory factor analysis (CFA) analysis for DSO scale for the RO group of participants, based on the four factors originally identified: affect dysregulation (AD), negative self-concept (NSC), disturbances in relationships (DR), functional impairment (FI). (N=142 number of data observations)

First order four-factor CFA model for DSO scale					
<i>AD = ~ DSO1_sad + DSO2_numb</i> <i>NSC = ~ DSO3_failure + DSO4_worthless</i> <i>DR = ~ DSO5_distant + DSO6_closeness</i> <i>FI = ~ DSO7_concernrel + DSO8_work + DSO9_otherparts</i> <i>FI ~ AD + NSC + DR</i> <i>AD ~ NSC + DR</i> <i>NSC ~ DR</i>					
Fit indices (171 observations)					
Chi-square test		CFI		RMSEA	
44.168 (df=21) p=0.002		0.975		0.088 90% CI (0.051; 0.125)	0.038
Covariances ^(a)					
<i>AD ~ NSC</i>		0.672 ± 0.130		< 0.001**	
<i>AD ~ DR</i>		0.610 ± 0.122		< 0.001**	
<i>AD ~ FI</i>		0.619 ± 0.122		< 0.001**	
<i>NSC ~ DR</i>		1.125 ± 0.176		< 0.001**	
<i>NSC ~ FI</i>		1.094 ± 0.174		< 0.001**	
<i>DR ~ FI</i>		0.929 ± 0.160		< 0.001**	

^(a) covariance values are expressed as estimate ± standard error, and p-values for statistical significance

Table S3 Logistic regression analysis of opinion on legalization of recreational cannabis (N=171 number of data observations). CUIQ–Intention is a rank variable with values between 1 and 5. Exp (B) is equivalent to the odds ratio (OR), a measure of a relationship's strength between the predictor and the binary outcome

Model 0: Cannabis use should be legalized ~ Intention to use

Predictor	B ± Std. err	p-value	Exp (B) (95% CI)
CUIQ–Intention	1.01 ± 0.191	< 0.001**	2.744 (1.886 – 3.993)

Nagelkerke R-square = 0.304

Model 1: Cannabis use should be legalized ~ Intention to use + Gender (0,1,2) + Age + Smoking + Drinking alcohol + Smoking onset + DSO-AD + DSO-NSC + DSO-DR + DSO-FI + group (EN,RO)

Predictor	B ± Std. err	p-value	Exp (B) (95% CI)
CUIQ–Intention	1.071 ± 0.221	< 0.001**	2.918 (1.893 – 4.497)
Gender 0 (Not specified)			1
Gender 1/0	-0.837 ± 1.042	0.422	0.433 (0.056 – 3.335)
Gender 2/0	0.340 ± 0.428	0.428	1.405 (0.607 – 3.253)
Age	-0.223 ± 0.161	0.166	0.800 (0.583 – 1.097)
Smoking	0.322 ± 0.209	0.123	1.380 (0.917 – 2.077)
Drinking alcohol	0.272 ± 0.396	0.493	1.313 (0.604 – 2.855)
Smoking onset	-0.165 ± 0.332	0.620	0.848 (0.443 – 1.625)
DSO-AD	-0.071 ± 0.128	0.578	0.931 (0.725 – 1.196)
DSO-NSC	-0.073 ± 0.125	0.560	0.930 (0.728 – 1.188)
DSO-DR	0.057 ± 0.110	0.609	1.058 (0.852 – 1.314)
DSO-FI	0.004 ± 0.081	0.965	1.004 (0.857 – 1.175)
group EN			1
group RO/EN	0.676 ± 0.535	0.206	1.965 (0.689 – 5.605)

Nagelkerke R-square = 0.368

Abbreviations: AD, affect dysregulation; B ± Std. err, coefficient of regression ± standard error; CI, confidence interval; CUIQ, cannabis use intention questionnaire; DR, disturbances in relationships; DSO, disturbances in self-regulation; FI, functional impairment; NSC, negative self-concept

Statistical significance: ** p < 0.01