

Supplemental Table 1. Internal Consistency Reliability									
Measures	Site 1			Site 2			Combined Sample		
	BL	5m	10m	BL	5m	10m	BL	5m	10m
Marijuana - Harmonious and Obsessive Passion Scale (M-HOPS) -harmonious passion subscale	.85	.86	.88	.75	.81	.84	.82	.84	.86
Marijuana - Harmonious and Obsessive Passion Scale (M-HOPS) - obsessive passion subscale	.90	.92	.90	.90	.91	.91	.90	.92	.91
Brief Marijuana Consequences Questionnaire (B-MACQ)	.83	.84	.85	.86	.86	.87	.85	.85	.86
Experiences in Close Relationships- Relationship Structure (ECR-RS)-Avoidance Subscale	.82	.85	.82	.77	.78	.80	.78	.80	.79
Experiences in Close Relationships- Relationship Structure (ECR-RS)-Anxiety Subscale	.88	.88	.87	.84	.87	.87	.87	.88	.88
The Social Connectedness Scale (SCS)	.95	.95	.94	.93	.95	.96	.94	.95	.95

Note: BL=baseline; 5m=5 months; 10m=10 months.

Supplemental Table 2. Sample population, Range, Mean, and Standard Deviation of the study variables at timepoints: baseline, 5 months, and 10 months

Variables	Baseline				5 Months				10 Months			
	N	Range	M	SD	N	Range	M	SD	N	Range	M	SD
Past Month Cannabis Use	512	121	19.97	20.18	431	105	19.24	20.68	433	105	18.69	20.93
Grade Point Average	513	5	0.8	0.9	430	5	0.73	0.89	432	4	0.67	0.8
Cannabis Use Disorder	503	11	3	2.59	426	12	3.03	2.78	421	12	2.9	2.76
Consequences	511	21	4.49	4.05	431	19	4.39	4.03	432	16	4.24	4.07
Cannabis Coping Motives	504	4	1.32	1.03	427	4	1.307	1.04	429	4	1.26	1
Social Connectedness	499	40	28.91	9.38	425	40	28.38	9.87	428	40	28.75	9.62
Attachment Avoidance	504	42	21.39	6.92	426	38	20.96	6.79	429	21	20.83	6.98
Attachment Anxiety	504	21	11.64	5.24	426	21	11.78	5.21	429	40	11.32	5.26
Harmonious Passion	512	4	2.37	0.92	431	4	2.35	0.96	433	4	2.32	1.01
Obsessive Passion	512	3.86	0.73	0.89	431	4	0.87	0.97	433	4	0.81	0.94

*Note: The mean associated with cannabis use disorder is the average number of symptoms related to cannabis use disorder. Consequences is cannabis-related consequences, and the mean is the average number of consequences related to cannabis use.

Supplementary Table 3. Demographic information: Chi-Square & Site at timepoints Baseline (BL), 5 Months, and 10 Months

Variable Names		Site 1	Site 2	Chi-Square Tests			Effect Size (Phi)
		<i>N</i>	<i>N</i>	<i>Value</i>	<i>df</i>	<i>sig. (2-sided)</i>	
Race BL	Non-Hispanic, White	213	191	15.575	2	<.001	0.174
	Hispanic	11 _a	25 _b				
	Other (includes other racial identities and multiple racial identities)	51 _a	22 _b				
Gender Identity BL	Male	119	109	0.353	2	0.834	0.026
	Female	147	121				
	Other	9	8				
Sex BL	Male	120	111	0.465	1	0.534	-0.030
	Female	155	127				
Socio-economic Status BL	<10,000 – 99,999	115 _a	132 _b	20.086	2	<.001	0.198
	100,000 – 150, 000	70	68				
	> 150,000	89 _a	37 _b				
Sexual Orientation BL	Heterosexual	190	181	6.586	3	0.086	0.113
	Gay & Lesbian	15	15				
	Bisexual	56	38				
	Other	14	4				
Sexual Behavior BL	Men only	128	102	3.419	3	0.336	0.082
	Women only	90	89				
	Both men and women	21	11				
	I have not had sex	36	36				
Sexual Attraction BL	Only attracted to females	86	92	8.912	6	0.150	0.133
	Mostly attracted to females	37	29				
	Equally attracted to females and males	31	17				
	Mostly attracted to males	42	47				

	Only attracted to males	75	52				
	Not sure	3	1				
	Self-Identify	1	0				
Relationship Status BL	Single	156	152	3.717	5	0.423	0.083
	Dating	112	81				
	Married	5	4				
	Divorced or separated	1	0				
	Other	1	1				
Enrollment BL	Full-time	257 _a	204 _b	8.391	1	0.005	0.128
	Other	18 _a	34 _b				
Grade Point Average BL	3.5 to 4.0	142	92	18.168	9	0.001	0.189
	3.0 to 3.4	96	84				
	2.5 to 2.9	30	46				
	2.0 to 2.4	4	13				
	4.5 to 1.9	2	3				
	1.0 to 1.4	1	0				
	3.0 to 3.4	126	83				
	2.5 to 2.9	89	61				
	2.0 to 2.4	18 _a	37 _b				
	1.5 to 1.9	5	4				

*Note.. Values with a subscript (ex. X_a or X_b) shows that there is a significant difference between Site 1 and Site 2 samples.

Supplementary Table 4. Correlations between Harmonious Passion and Obsessive Passion and Cannabis-related outcomes.

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Harmonious Passion BL (1)	--																	
Obsessive Passion BL (2)	.308***	--																
Harmonious Passion 5M (3)	.639***	.250***	--															
Obsessive Passion 5M (4)	.279***	.750***	.331***	--														
Harmonious Passion 10M (5)	.571***	.251***	.669***	.284***	--													
Obsessive Passion 10M (6)	.270***	.684***	.315***	.766***	.353***	--												
Past 30-Day Use at BL (7)	.167***	.480***	.125**	.432***	.097*	.326***	--											
Past 30-Day Use at 5M (8)	.230***	.428***	.260***	.511***	.190***	.389***	.660***	--										
Past 30-Day Use at 10M (9)	.185***	.376***	.197***	.476***	.213***	.487***	.588***	.676***	--									
Cannabis Use Disorder BL (10)	.285***	.732***	.220***	.589***	.198***	.555***	.364***	.275***	.240***	--								
Cannabis Use Disorder 5M (11)	.240***	.644***	.232***	.688***	.216***	.655***	.353***	.372***	.373***	.729***	--							
Cannabis Use Disorder 10M (12)	.213***	.548***	.213***	.608***	.200***	.643***	.310***	.333***	.361***	.574***	.756***	--						
Consequences BL (13)	.194***	.690***	.166**	.543***	.160**	.508***	.301***	.215***	.144**	.796***	.681***	.530***	--					
Consequences 5M (14)	.238***	.597***	.195***	.613***	.182***	.580***	.264***	.256***	.261***	.647***	.780***	.664***	.701***	--				
Consequences 10M (15)	.184***	.469***	.185***	.538***	.208***	.622***	.255***	.257***	.293***	.535***	.697***	.785***	.586***	.723***	--			
Cannabis Coping Motives BL (16)	.322*	.511***	.328***	.415***	.294***	.463***	.175***	.146**	0.083	.520***	.425***	.349***	.470***	.381***	.334***	--		
Cannabis Coping (17)	.295***	.479***	.380***	.550***	.339***	.552***	.144**	.223***	.174**	.449***	.524***	.415***	.414***	.501***	.398***	.668***	--	

Motives 5M (17)																			
Cannabis	.246***	.428***	.334***	.487***	.413***	.615***	.130***	.194***	.210***	.349***	.447***	.489***	.345***	.389***	.487***	.626***	.663***	--	
Coping																			
Motives 10M (18)																			

Note: *** Correlation is significant at the 0.001 level (2-tailed); **Correlation is significant at the 0.01 level (2-tailed); *Correlation is significant at the 0.05 level (2-tailed). BL=baseline; 5m=5 months; 10m=10 months.

Supplementary Table 5. Correlations between Harmonious Passion and Obsessive Passion and grade point average, social connectedness, and attachment.

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Harmonious Passion BL (1)	--																	
Obsessive Passion BL (2)	.308***	--																
Harmonious Passion 5M (3)	.639***	.250***	--															
Obsessive Passion 5M (4)	.279***	.750***	.331***	--														
Harmonious Passion 10M (5)	.571***	.251***	.669***	.284***	--													
Obsessive Passion 10M (6)	.270***	.684***	.315***	.766***	.353***	--												
Grade Point Average BL (7)	0.013	.169***	-0.003	.123*	0.020	.123*	--											
Grade Point Average 5M (8)	0.029	.149**	0.021	.130**	0.024	.106*	.790***	--										
Grade Point Average 10M (9)	0.029	.153**	0.004	.118*	0.030	.124**	.751***	.806***	--									
Social Connectedness BL (10)	-.128**	-	-0.027	-	-0.066	-.195***	-0.031	-0.045	-.097*	--								
Social Connectedness 5M (11)	-.151**	-.249***	-	-.187***	-	-.162**	-.263***	-0.049	-0.052	-0.075	.677***	--						
Social Connectedness 10M (12)	-.138**	-.176***	-	-.217***	-	-.130**	-.222***	-0.062	-0.073	-.100*	.687***	.730***	--					
Attachment Anxiety BL (13)	.106*	0.077	0.091	0.075	.108*	0.093	-0.026	-0.012	-0.021	-.438***	-.311***	-.326***	--					
Attachment Anxiety 5m (14)	0.053	0.029	.101*	.127**	.117*	.128*	0.030	0.025	0.023	-.330***	-.414***	-.380***	.712***	--				
Attachment Anxiety 10m (15)	0.059	0.050	0.080	.113*	.109*	.140**	0.057	0.081	0.092	-.338***	-.400***	-.479***	.639***	.723***	--			
Attachment Avoidance BL (16)	0.061	0.070	.114*	0.071	0.068	0.076	0.026	0.009	0.088	-.302***	-.269***	-.236***	.231***	.169***	.182***	--		
Attachment Avoidance 5m (17)	0.064	0.084	0.077	.127**	0.057	.126*	0.044	0.072	0.029	-.269***	-.425***	-.344***	.155**	.268***	.228***	.588***	--	
Attachment Avoidance 10m (18)	0.002	.108*	0.059	.160**	-0.003	.142**	.101*	0.091	.101*	-.231***	-.375***	-.366***	0.088	.128*	.251***	.565***	.653***	--

Note: ***Correlation is significant at the 0.001 level (2-tailed); **Correlation is significant at the 0.01 level (2-tailed); *Correlation is significant at the 0.05 level (2-tailed).