

Supplementary Table 1. Associations Between Changes in Distress About Police Brutality and Nicotine and Marijuana Use by Route of Administration

	OR (95% CI)
Nicotine	
Combustible products	
Change in distress about police brutality	1.05 (0.94, 1.19)
E-Cigarettes	
Change in distress about police brutality	1.06 (0.97, 1.16)
Smokeless tobacco products	
Change in distress about police brutality	0.66 (0.41, 1.06)
Cannabis	
Smoked cannabis	
Change in distress about police brutality	1.08 (1.00, 1.17)*
Vaped cannabis	
Change in distress about police brutality	1.09 (1.00, 1.19)*
All other cannabis	
Change in distress about police brutality	1.07 (0.99, 1.16)

Models adjusted for age, sex, race/ethnicity, highest educational attainment, personal financial status, and previous use of categorical substances in Wave 8

*P < 0.05

Supplementary Table 2. Participant Characteristics of the Analytic Sample Versus Samples Missing Data or Loss-To-Follow-Up

	Samples						
	Completed W8 and W10 (analytic sample) (n=1797)	Missing W8 data (n=640)	P ^b	Completed W8 but dropped out prior to W10 (n=759)	P ^c	Dropped out prior to W8 (n=200)	P ^d
Age (range = 20.2 - 23.0), mean ± SD	21.16 ± 0.39	21.22 ± 0.44	<0.05	-- ^e	--	-- ^e	--
Sex, n (%)			<0.05		<0.05		<0.05
Female	1081 (60.2%)	353 (55.2%)		298 (39.3%)		75 (37.5%)	
Male	716 (39.8%)	287 (44.8%)		451 (59.4%)		123 (61.5%)	
No response	0 (0.0%)	0 (0.0%)		10 (1.3%)		2 (1.0%)	
Race/ethnicity, n (%)			<0.05		<0.05		<0.05
Black/African American	61 (3.4%)	24 (3.8%)		42 (5.5%)		10 (5.0%)	
Hispanic/Latino	980 (54.5%)	368 (57.5%)		374 (49.3%)		102 (51.0%)	
Multiracial	157 (8.7%)	76 (11.9%)		41 (5.4%)		14 (7.0%)	
Asian American/Pacific Islander	375 (20.9%)	76 (11.9%)		96 (12.6%)		11 (5.5%)	
Another race/ethnicity ^a	21 (1.2%)	16 (2.5%)		73 (9.6%)		20 (10.0%)	
White	203 (11.3%)	80 (12.5%)		133 (17.5%)		43 (21.5%)	
Highest Educational Attainment			<0.05		--		--
Post-Secondary	1351 (75.2%)	408 (63.8%)		-- ^e		-- ^e	
HS Grad and lower	446 (24.8%)	215 (33.6%)		-- ^e		-- ^e	
No response	0 (0.0%)	17 (2.7%)		-- ^e		-- ^e	
Personal Financial Status			<0.05		--	-- ^e	--
Live comfortably	823 (45.8%)	267 (41.7%)		-- ^e		-- ^e	
Meet needs with a little left	546 (30.3%)	179 (28.0%)		-- ^e		-- ^e	
Just meet basic expenses	376 (20.9%)	140 (21.9%)		-- ^e		-- ^e	
Don't meet basic expenses	49 (2.7%)	35 (5.5%)		-- ^e		-- ^e	
No response	0 (0.0%)	19 (3.0%)		-- ^e		-- ^e	
Change in distress about police brutality (range = -4 - 4), mean ± SD	0.84 ± 1.48	--	--	-- ^e	--	-- ^e	--
No response	--	640 (100%)		-- ^e		-- ^e	

Past-30-Day Substance Use							-- ^e	
Nicotine (Yes)	364 (20.3%)	175 (27.3%)	<0.05	-- ^e	--	-- ^e	--	--
Cannabis (Yes)	620 (34.5%)	242 (37.8%)	0.15	-- ^e	--	-- ^e	--	--
Alcohol (Yes)	1035 (57.6%)	357 (55.8%)	0.45	-- ^e	--	-- ^e	--	--
Other Drugs (Yes)	40 (2.2%)	18 (2.8%)	0.49	-- ^e	--	-- ^e	--	--
Number of substances used, mean ± SD	1.96 ± 2.41	2.25 ± 2.61	<0.05	-- ^e	--	-- ^e	--	--

^a Another race/ethnicity category includes middle eastern and indigenous ethnicities

^b Pairwise comparison between analytic sample and respondents who were missing wave 8 (W8) data

^c Pairwise comparison between the analytic sample and respondents who completed W8 but dropped out prior to wave 10 (W10)

^d Pairwise comparison between the analytic sample and respondents who dropped out prior to W8

^e Data were not available

Supplementary Table 3. Associations Between Changes in Distress About Police Brutality and Past 30-Day Substance Use Volume (Frequency × Intensity), Outcomes Overall and by Race/Ethnicity

	Stratified by Race/Ethnicity						
	Overall sample	Black/African American	Hispanic/Latino	Multiracial	AAPI ^a	White	Another race/ethnicity ^b
Cigarettes ^{c, d}							
Unadjusted (B)	-0.02	-0.03	-0.01	0.13	0.09	-0.11	0.05
Adjusted (β)	-0.03	0.02	-0.01	0.06	0.09	-0.08	-0.28
E-cigarettes ^{c, e}							
Unadjusted (B)	0.02	-0.11	0.05	-0.03	0.00	0.03	-0.16
Adjusted (β)	0.01	-0.16	0.03	0.04	-0.03	0.06	-0.18
Cannabis ^{c, f}							
Unadjusted (B)	-0.02	0.18	-0.03	-0.05	-0.01	0.04	0.22
Adjusted (β)	-0.03	0.23	-0.04	-0.04	-0.02	0.03	0.00
Alcohol ^{c, g}							
Unadjusted (B)	0.06*	0.13	0.08*	0.06	0.07	-0.06	-0.26
Adjusted (β)	0.04	0.14	0.07*	0.08	0.06	-0.09	-0.29

^a Asian American/Pacific Islander

^b Another race/ethnicity category includes middle eastern and indigenous ethnicities

^c Models adjusted for age, sex, race/ethnicity, highest educational attainment, personal financial status, and previous use of categorical substances in Wave 8

^d Past 30-day cigarette use volume: (number of days used × the number of cigarettes smoked per typical smoking day)

^e Past 30-day e-cigarette use volume: (number of days used × nicotine vaping sessions per vaping day × number of puffs per vaping session)

^f Past 30-day cannabis use volume: (number of days used × bowls/joints per cannabis smoking day) or (number of days used × cannabis vaping sessions per vaping day × number of puffs per vaping session)

^g Past 30-day alcohol use volume: (number of days used × drinks per drinking day)

*P < 0.05