TITLE:

subtitle

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Abstract

Aspirational abstract goes here!

Introduction

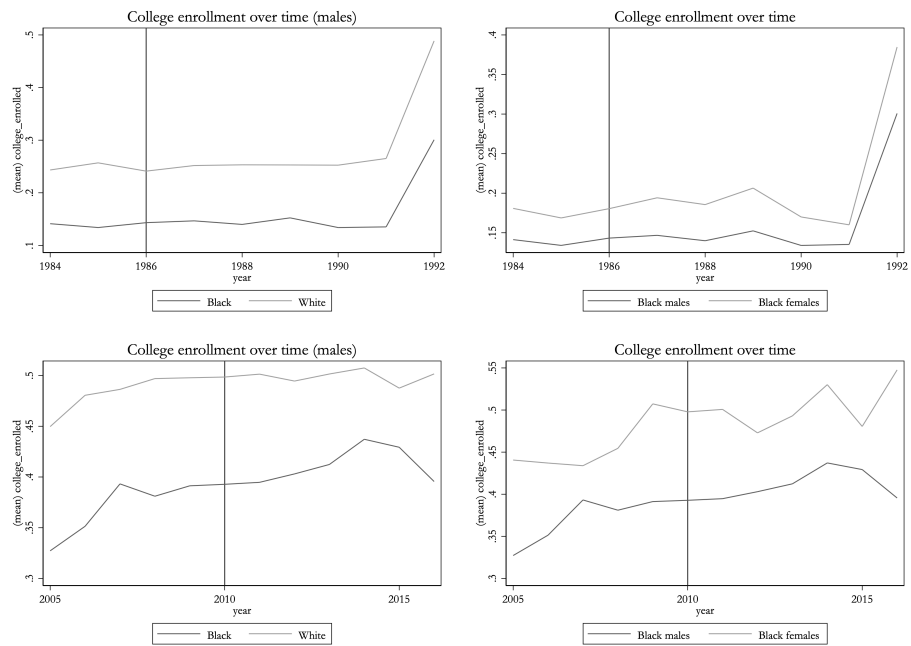# Motivation and Background

Data Description

Empirical/Econometric Methods, Hypotheses tested

Counterfactual groups

- Black males vs white males

    - Identifying assumption: absent of the Anti-Drug Abuse Act of 1986, black and white male educational outcomes would have trended similarly.

- Black males vs black females

- High vs low drug use

Note: all figures are limited to ages 18-24 inclusive.

Family income over time (males)
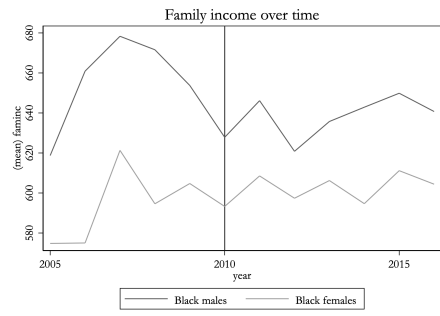
Family income over time

Family income over time (males)

Family income over time

4
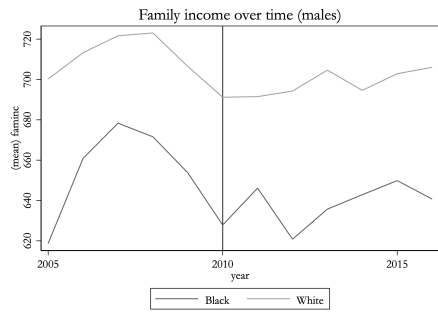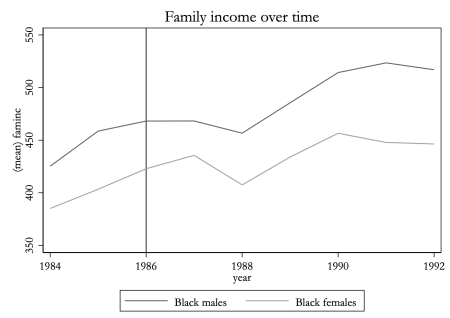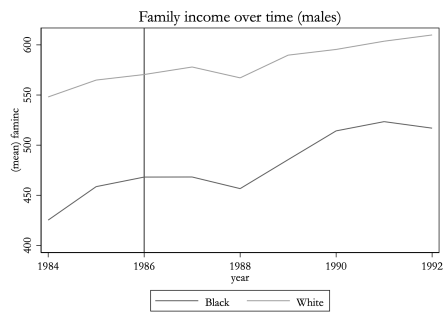
Figure 1: College enrollment overtime 1986

College enrollment over time, high/low drug arrests

Sample limited to black males
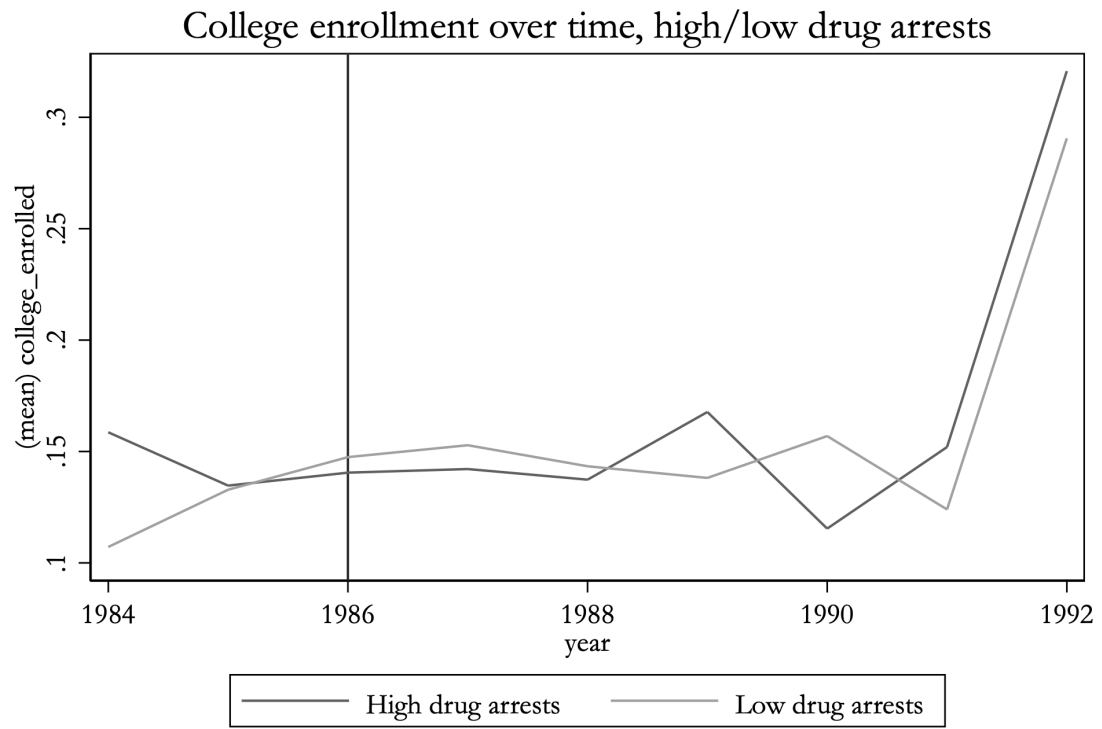
Figure 2: College enrollment overtime 2010

College enrollment over time

Sample limited to black males
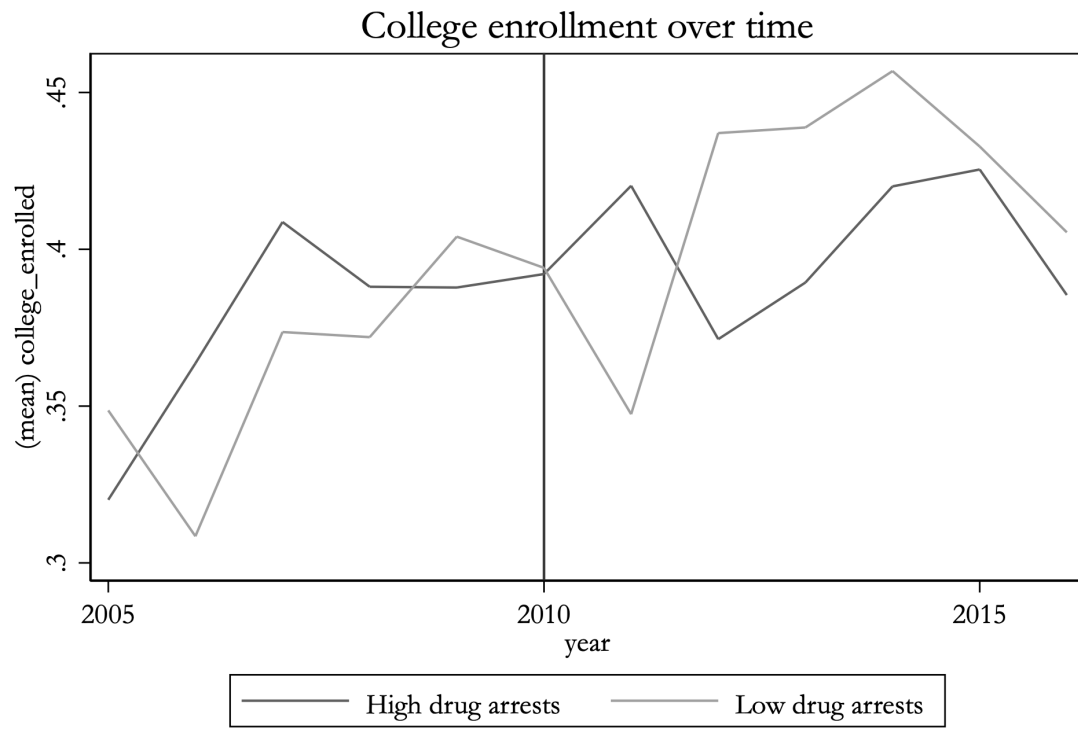
Figure 3: Event study 1986, AB arrest rate 18F

Treatment: high marijuana arrest states after 1986

Estimates of 1986 law's effects on black adult marijuna arrests in an event study model.
Sample limited to ages 18-24 inclusive.
Event time 0 = 1986.
High marijuana states >= 75th percentile
Controlling for population.
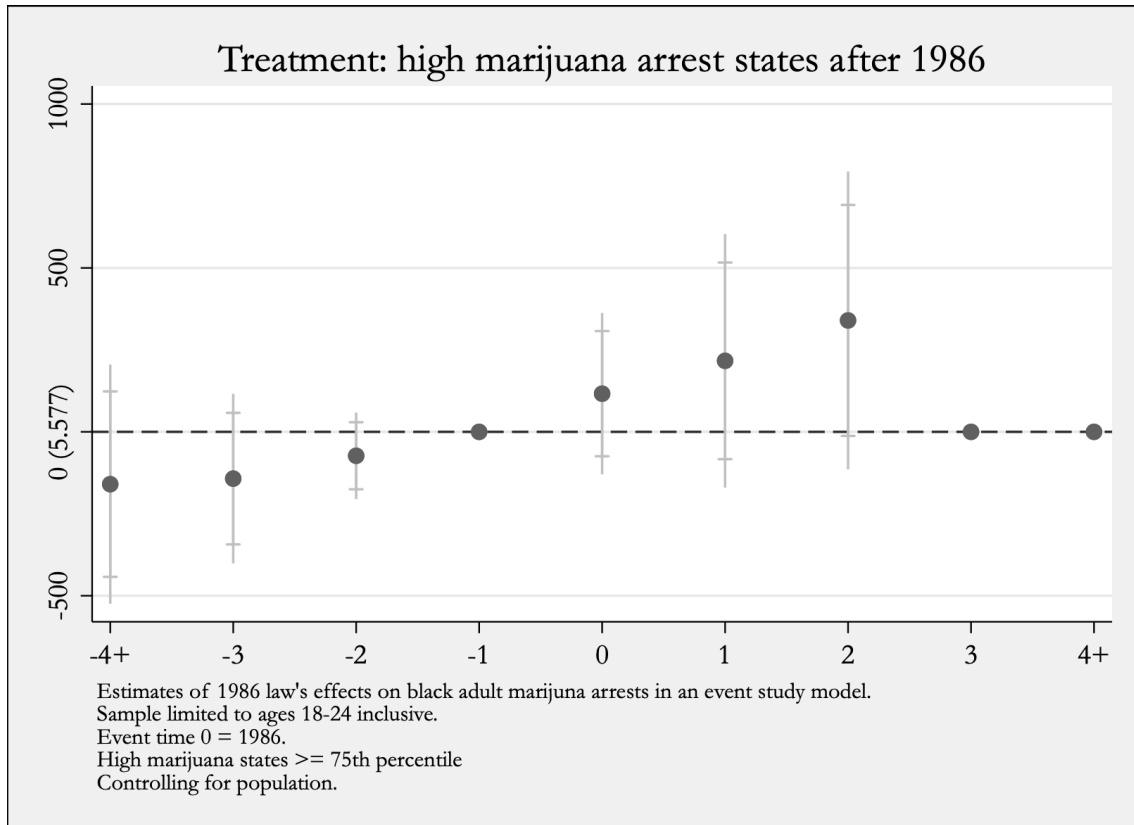
Figure 4: Event study 2010, AB arrest rate 18F

Treatment: high marijuana arrest states after 2010

Estimates of 2010 law's effects on black adult marijuna arrests in an event study model.
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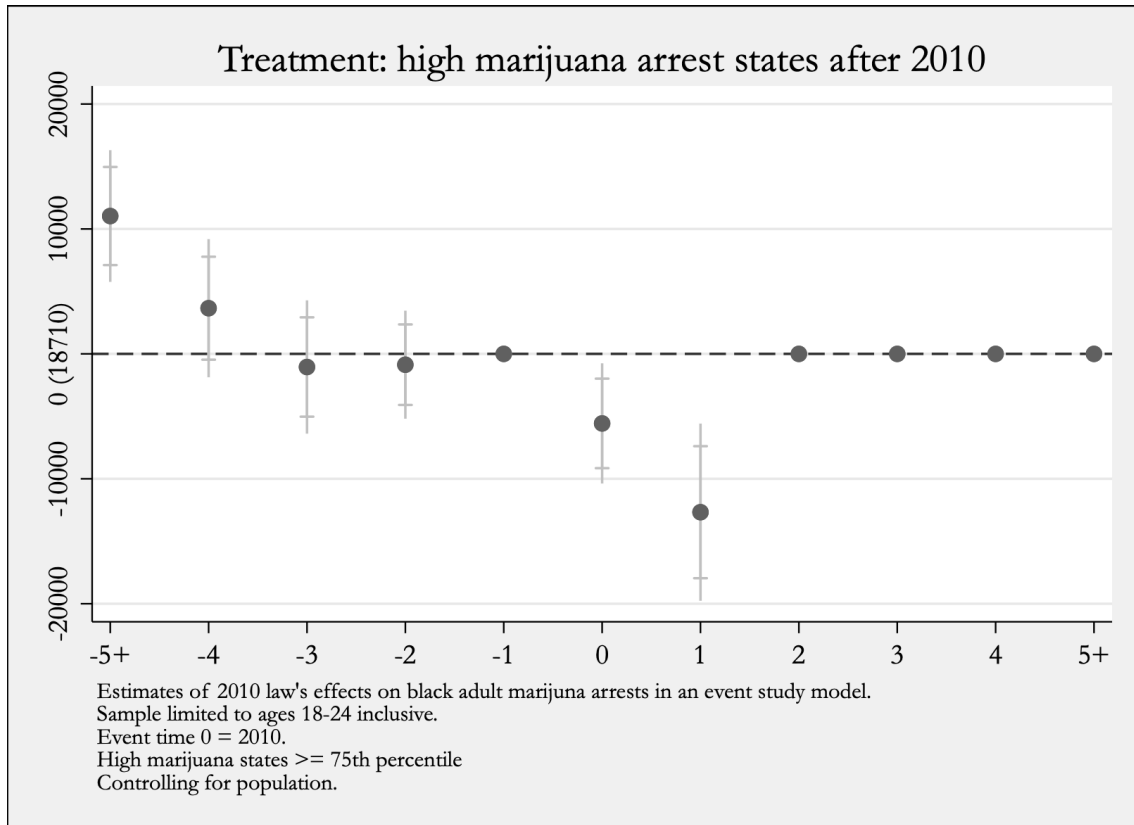
Table 1: Summary Statistics CPS

	(1) Pre-period 1986	(2) Pre-period 1986	(3) Pre-period 2010	(4) Post-period 2010
Male	0.49	0.49	0.50	0.50
	(0.500)	(0.500)	(0.500)	(0.500)
Black	0.13	0.14	0.13	0.15
	(0.341)	(0.342)	(0.340)	(0.356)
HS Graduate	0.82	0.81	0.83	0.86
	(0.384)	(0.390)	(0.377)	(0.344)
Enrolled in college	0.24	0.29	0.50	0.55
	(0.428)	(0.453)	(0.500)	(0.498)
Enrolled in college (Black males)	0.02	0.03	0.06	0.07
	(0.146)	(0.160)	(0.228)	(0.254)
Enrolled in college (Non-Black males)	0.22	0.26	0.45	0.48
	(0.414)	(0.440)	(0.497)	(0.500)
Enrolled in 2-year coll.	0.00	0.01	0.05	0.05
	(0)	(0.0856)	(0.215)	(0.228)
Enrolled in 4-year coll.	0.24	0.28	0.46	0.49
	(0.428)	(0.450)	(0.498)	(0.500)
Observations	43962	73286	94188	72859

SD in (). Sample limited to ages 18-24. Observations missing education data were dropped.

Table 2: UCR 1986 black adult arrests related to marijuana

	(1) AB
1	3.08
2	4.35
3	2.06
4	6.00
5	13.24
6	5.56
7	7.48
8	125.75
10	5.16
11	1.00
12	2.38
13	4.63
15	3.31
16	1.80
17	5.16
18	1.00
19	8.51
20	5.44
21	2.30
22	4.87
23	2.44

Table 3: Britton Table 2

	(1)	(2)	(3)
after1986	.04427***	.04037***	0
	(.006001)	(.005414)	(.)
Black	-.1021***	-.06456***	-.07368***
	(.01272)	(.0105)	(.01246)
interaction	-.01133	-.01234	-.006629
	(.01378)	(.01137)	(.01187)
Constant	.2446***	-8.086***	-7.946***
	(.008332)	(.4056)	(.4216)
Observations	61403	61403	61403
Adjusted R^2	0.009	0.120	0.146
State_yr_FE	N	N	Y
Demographic_controls	N	Y	Y

Standard errors in parentheses

Weights used. Males only. SEs clustered at state level. Still missing some demographic controls.

* $p < 0.10$, ** $p < 0.05$, *** $p < 0.01$

Table 4: Britton Table 2, control experiment

	(1)	(2)	(3)
after1986	.05002***	.02519***	0
	(.00464)	(.004266)	(.)
Black	-.1767***	-.08212***	-.07705***
	(.01336)	(.01162)	(.01296)
interaction	.0001738	-.006754	-.003525
	(.01274)	(.0105)	(.01088)
Constant	.4319***	-1.09***	-1.053***
	(.01498)	(.1826)	(.1777)
Observations	126294	126294	126294
Adjusted R^2	0.013	0.119	0.135
State_yr_FE	N	N	Y
Demographic_controls	N	Y	Y

Standard errors in parentheses

Weights used. Males only. SEs clustered at state level. AGES 35-50.

* $p < 0.10$, ** $p < 0.05$, *** $p < 0.01$

Table 5: Britton Table 3

	(1)	(2)	(3)
after1986	.03936***	.0282**	0
	(.01306)	(.01233)	(.)
male	-.02641**	-.03954***	-.04253***
	(.01192)	(.01108)	(.01135)
sex_interaction	-.006419	-.004532	-.002536
	(.01575)	(.0159)	(.0165)
Constant	.1689***	-4.677***	-4.53***
	(.0097)	(.4739)	(.5066)
Observations	14991	14991	14991
Adjusted R^2	0.003	0.103	0.126
State_yr_FE	N	N	Y
Demographic_controls	N	Y	Y

Standard errors in parentheses

Weights used. SEs clustered at state level. Still missing some demographic controls.

* $p < 0.10$, ** $p < 0.05$, *** $p < 0.01$

Table 6: Britton Table 3, control experiment

	(1)	(2)	(3)
after1986	.06617***	.03427***	0
	(.00926)	(.009134)	(.)
male	.02698**	-.01173	-.01283
	(.0103)	(.01189)	(.0114)
sex_interaction	-.01597	-.007721	-.007772
	(.0116)	(.01212)	(.01238)
Constant	.2282***	1.063***	1.133***
	(.0144)	(.3845)	(.3931)
Observations	24954	24954	24954
Adjusted R^2	0.004	0.114	0.133
State_yr_FE	N	N	Y
Demographic_controls	N	Y	Y

Standard errors in parentheses

Weights used. SEs clustered at state level. AGES 35-50.

* $p < 0.10$, ** $p < 0.05$, *** $p < 0.01$

Table 7: DiD: Fair Sentencing Act, blacks vs whites

	(1)	(2)	(3)
after2010	.03072***	.02859***	0
	(.007178)	(.007088)	(.)
Black	-.1172***	-.1061***	-.1098***
	(.01419)	(.01206)	(.01426)
interaction	.04387***	.03536***	.03728***
	(.01025)	(.01012)	(.01105)
Constant	.4786***	-9.838***	-9.764***
	(.008984)	(.254)	(.2498)
Observations	114090	114090	114090
Adjusted R^2	0.006	0.085	0.096
State_yr_FE	N	N	Y
Demographic_controls	N	Y	Y

Standard errors in parentheses

Weights used. Males only. SEs clustered at state level. Still missing some demographic controls.

* $p < 0.10$, ** $p < 0.05$, *** $p < 0.01$

Table 8: DiD: Fair Sentencing Act, blacks vs whites, control experiment

	(1)	(2)	(3)
after2010	.03688***	.03531***	0
	(.005766)	(.005671)	(.)
Black	-.09199***	-.04809***	-.04217***
	(.01557)	(.01238)	(.01285)
interaction	.02353**	.01417	.009093
	(.01075)	(.009078)	(.009292)
Constant	.5669***	.2558**	.2816**
	(.007974)	(.1172)	(.1181)
Observations	285600	285600	285600
Adjusted R^2	0.004	0.087	0.095
State_yr_FE	N	N	Y
Demographic_controls	N	Y	Y

Standard errors in parentheses

Weights used. Males only. SEs clustered at state level. AGES 35-50

* $p < 0.10$, ** $p < 0.05$, *** $p < 0.01$

Table 9: DiD Fair Sentencing Act, black males vs females

	(1)	(2)	(3)
after2010	.05706***	.03615***	0
	(.01186)	(.01219)	(.)
male	-.1006***	-.1106***	-.1129***
	(.01081)	(.01056)	(.01082)
sex_interaction	.01753	.02144	.02335
	(.01408)	(.01505)	(.01479)
Constant	.462***	-8.207***	-8.022***
	(.01192)	(.5089)	(.5651)
Observations	26198	26198	26198
Adjusted R^2	0.012	0.103	0.111
State_yr_FE	N	N	Y
Demographic_controls	N	Y	Y

Standard errors in parentheses

Weights used. SEs clustered at state level. Still missing some demographic controls.

* $p < 0.10$, ** $p < 0.05$, *** $p < 0.01$

Table 10: DiD Fair Sentencing Act, black males vs females, control experiment

	(1)	(2)	(3)
after2010	.09404***	.07418***	0
	(.0117)	(.009614)	(.)
male	-.06253***	-.08723***	-.08835***
	(.005736)	(.006097)	(.005948)
sex_interaction	-.03364***	-.02353***	-.02367***
	(.008531)	(.008622)	(.008802)
Constant	.5375***	-.3061	-.2344
	(.01185)	(.2063)	(.2227)
Observations	59353	59353	59353
Adjusted R^2	0.013	0.102	0.111
State_yr_FE	N	N	Y
Demographic_controls	N	Y	Y

Standard errors in parentheses

Weights used. SEs clustered at state level. AGES 35-50

* $p < 0.10$, ** $p < 0.05$, *** $p < 0.01$

Table 11: DiD 1986, high vs low drug arrest states

	(1)	(2)	(3)
after1986	.04051***	.03122***	0
	(.01391)	(.01095)	(.)
ab	.0001743	.0000415	0
	(.0001305)	(.0001494)	(.)
ab_post_interact	-.0001613	-.000034	0
	(.000129)	(.0001469)	(.)
Constant	.1462***	-4.867***	-4.822***
	(.01264)	(.7625)	(.9123)
Observations	2852	2852	2852
Adjusted R^2	0.002	0.080	0.107
State_yr_FE	N	N	Y
Demographic_controls	N	Y	Y

Standard errors in parentheses

Weights used. SEs clustered at state level. Still missing some demographic controls.

* $p < 0.10$, ** $p < 0.05$, *** $p < 0.01$

Table 12: DDD 1986

	(1)	(2)	(3)
after1986	.03184**	.02396*	0
	(.01318)	(.01306)	(.)
Black	-.09434***	-.05331***	-.05957**
	(.01786)	(.01803)	(.02241)
high_drug	.03844	.01748	0
	(.02781)	(.02606)	(.)
post_black_interact	.008214	.009425	.03474
	(.03236)	(.02805)	(.02541)
high_drug_black_interact	-.04681	-.04836	-.06844**
	(.03317)	(.03016)	(.03034)
high_drug_post_interact	-.01674	-.008459	0
	(.01916)	(.0158)	(.)
triple_interact	.03347	.0167	-.003893
	(.04309)	(.03332)	(.0366)
Constant	.2367***	-8.165***	-8.045***
	(.009359)	(.6042)	(.6183)
Observations	28375	28375	28375
Adjusted R^2	0.008	0.114	0.144
State_yr_FE	N	N	Y
Demographic_controls	N	Y	Y

Standard errors in parentheses

Weights used. SEs clustered at state level. Still missing some demographic controls.

* $p < 0.10$, ** $p < 0.05$, *** $p < 0.01$

Aged 18-24 in 1986 and black	0.22	0.20	0.03
524.99		389.35	135.64
	(0.03)	(0.02)	(0.03)
(15.53)		(11.83)	(18.86)
Aged 28-34 in 1986	0.41	0.33	0.07
632.17		569.19	62.98
	(0.02)	(0.01)	(0.02)
(8.14)		(5.09)	(8.09)
Difference	-0.19	-0.14	-0.05
-107.18		-179.84	72.66
	(0.01)	(0.02)	(0.02)
(12.02)		(11.29)	(16.55)