

# Did Stop and Frisk Policing Have Effects on the Health of New York City Residents?

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# What is Stop, Question, and Frisk?



... a police officer may stop a person in a public place located within the geographical area of such officer's employment when he **reasonably suspects that such person is committing, has committed or is about to commit** either (a) a felony or (b) a misdemeanor defined in the penal law, and may demand of him his name, address and an explanation of his conduct.

- New York State criminal procedure law

# Carding across Canada: Data show practice of 'street checks' lacks mandated set of procedures

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The Globe and Mail

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The controversy around carding — the police practice of documenting interactions with community members — is not exclusive to Toronto. The Globe and Mail contacted 21 police departments across the country and found it's common, often unregulated and data collected is frequently kept indefinitely

40 Comments



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Between 2009 and 2011, Toronto Police entered 1,104,561 names into its carding database, according to the force's own figures, a staggering effort disproportionately targeting minority groups. Toronto Police say they need carding to gather intelligence and prevent crime, but in doing so they resorted to tactics that sullied their public standing.

In recent months, the force's carding efforts have been reined in, thanks largely to intense community pressure. Under a new policy, Toronto officers must inform residents they have the right to walk away from a carding engagement at any time and conclude any such interaction by issuing a receipt.

While the carding controversy is confined to Toronto, documenting interactions with community members, also known as a "street check," is common practice for major police forces across Canada. Rules guiding that process, however, are vague or non-existent in most cases.

# Did Stop, Question, and Frisk policing have effects on the health of NYC residents?

## ▶ Why this matters

- ▶ Massive intervention in NYC and several other major cities
- ▶ We know very little about its effects on population

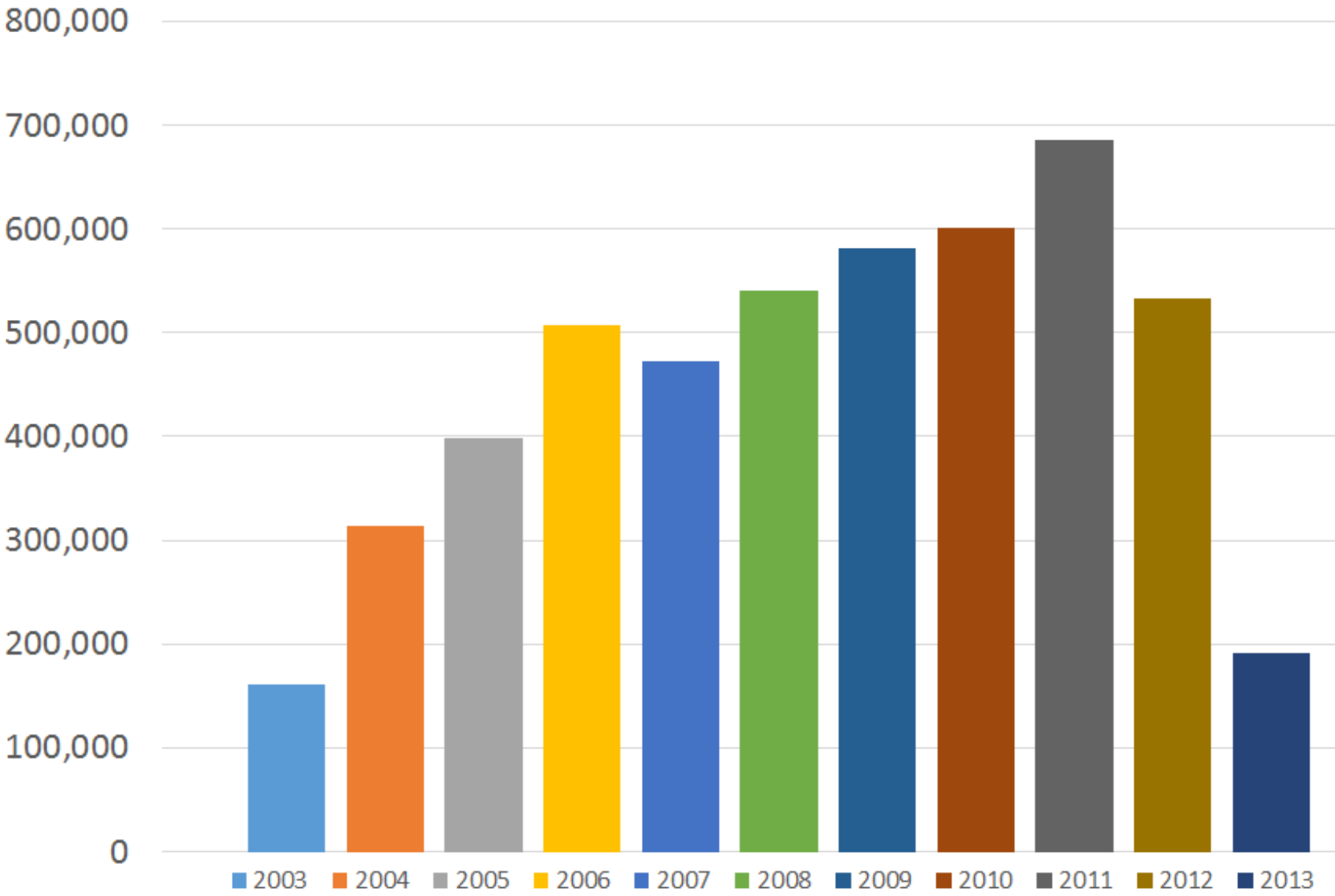
## ▶ What we find

- ▶ For African-American NYC residents, stop rates are associated with declines in mental health
- ▶ For non-Black residents, stop rates are associated with an improvement in mental health

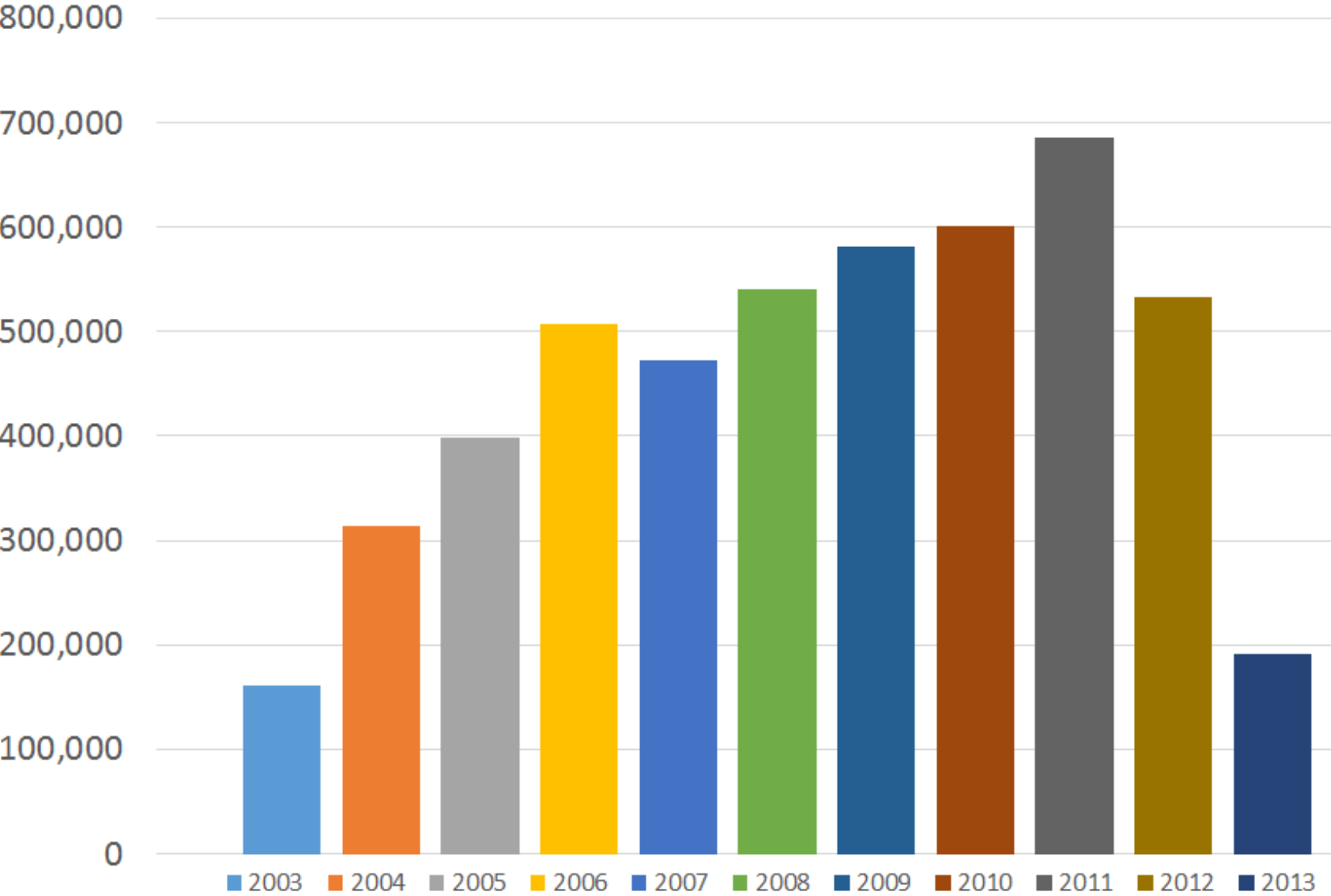
# NYC Stop, Question, and Frisk Timeline

		Mayor	Police Commissioner
1990s	<p>“Broken windows”/Quality of life crimes Stop, Question, and Frisk (SQF) policing</p> <p>Attorney General investigates racial bias in stops</p>	Rudy Giuliani (1994-2001)	William Bratton, Howard Safir, Bernard Kerik
2003	Lawsuit settled: **requires data reporting**	Michael Bloomberg (2002-2013)	Raymond Kelly
	Expansion of Stop, Question, and Frisk; Also, CompStat; hot spot policing		
2013	Stop and Frisk ruled unconstitutional		
2014-	Rapid reduction in Stop, Question, and Frisk	Bill de Blasio (2014-)	William Bratton

### NYC Raw Number of Police Stops per Year, 2003 - 2013

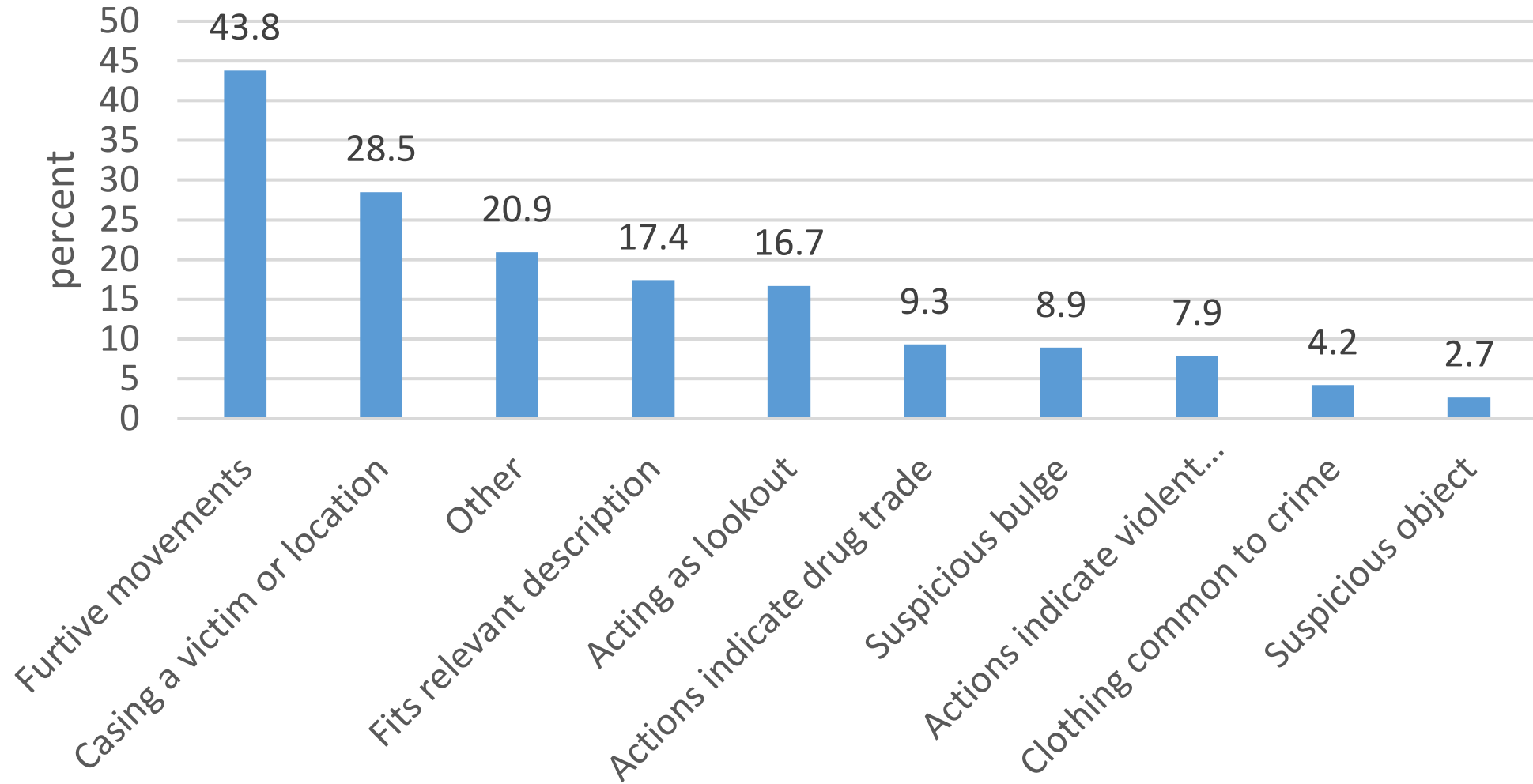


NYC Raw Number of Police Stops per Year, 2003 - 2013



In peak year, 2011  
Ratio of stops : population  
16 stops per 100 males  
33 stops per 100 black males  
114 stops per 100 young black males

## Reasons for Stops in 2003-13 (N=4,984,392 stops)

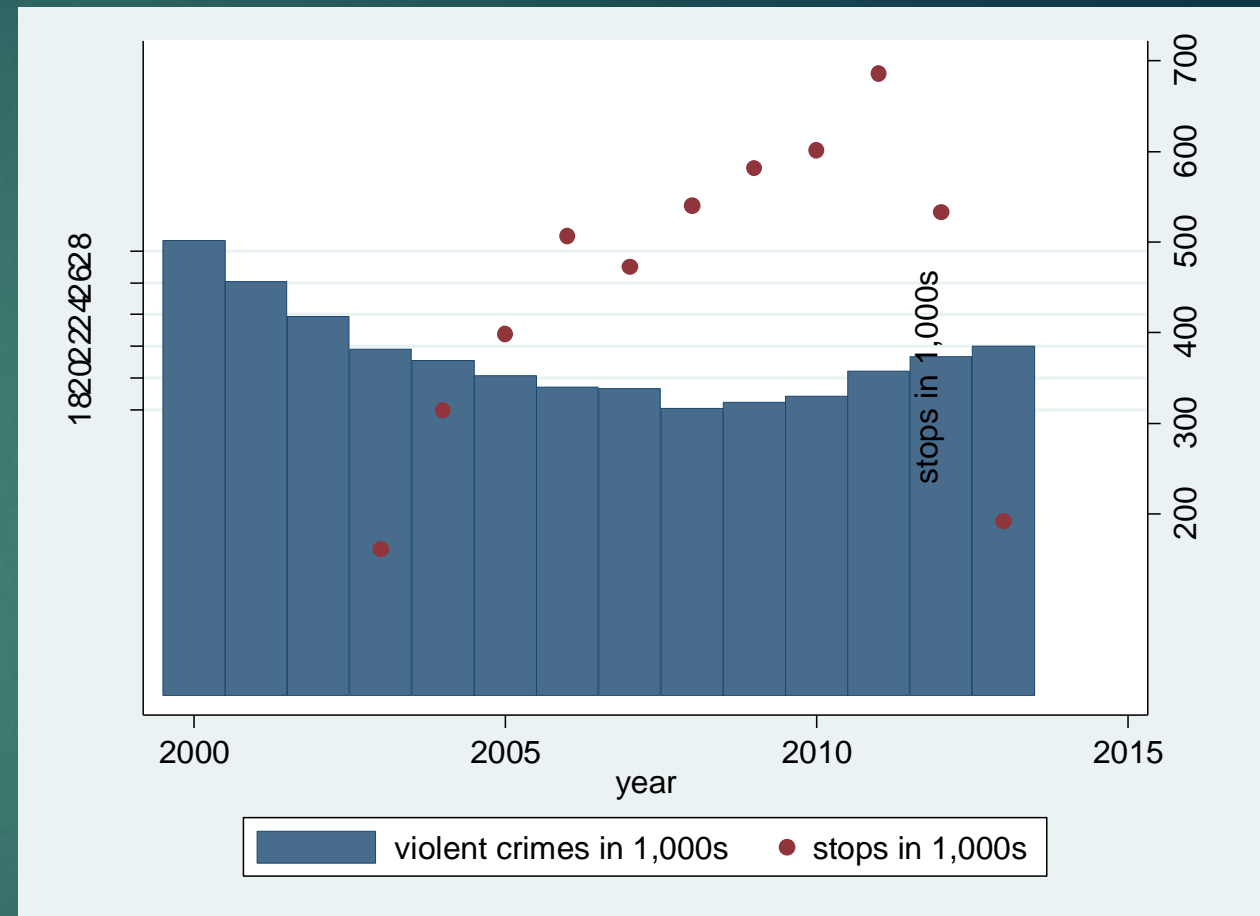
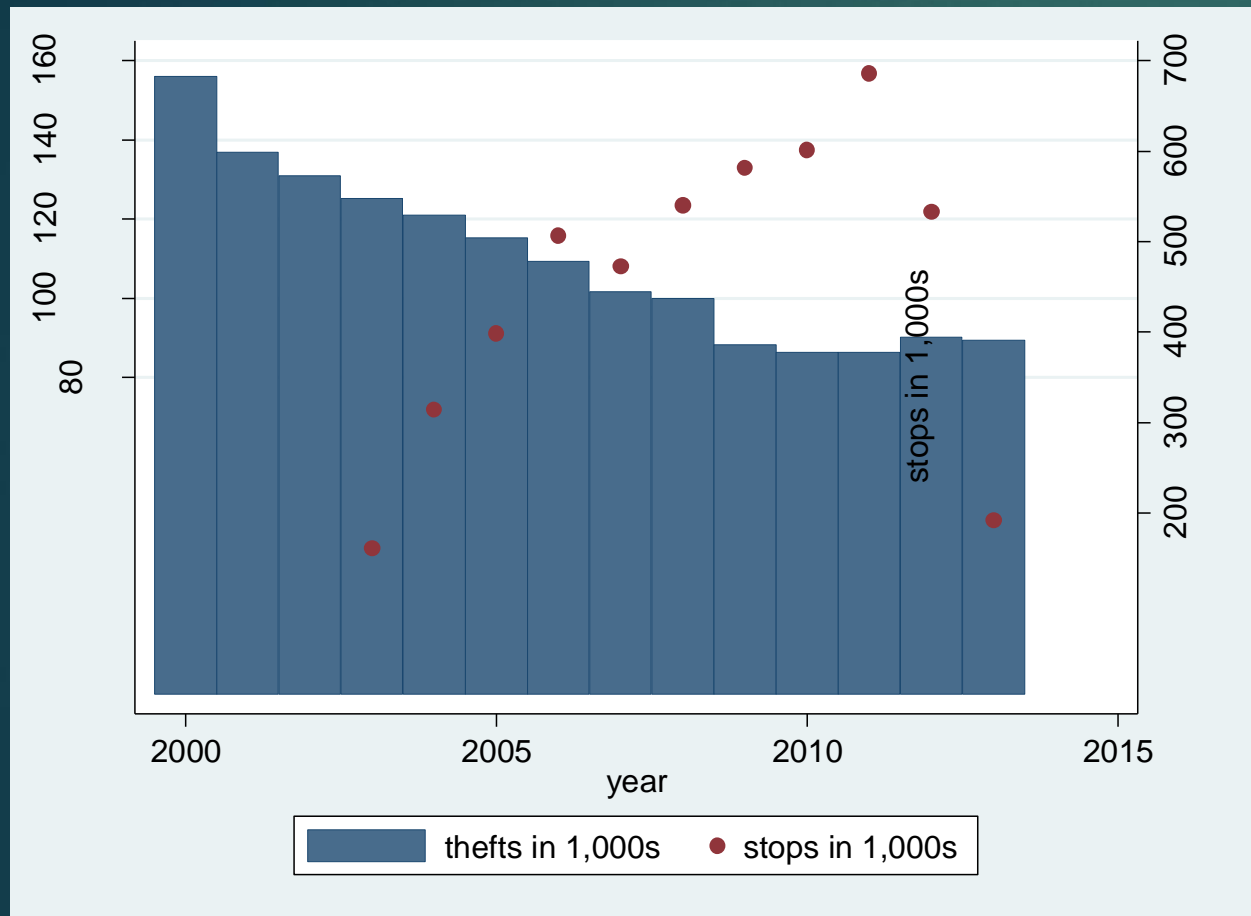




# Stops - Low Yield on Arrests, Contraband, and Guns

<b>N= 4,984,392 stops, 2003-13</b>	<b>Percent of Stops</b>
Frisked	51.9%
Gun/firearm found	0.2%
Contraband found	1.8%
Arrest made	5.9%
Summons issued	6.2%
None of the above	87.9%

# Little Evidence that SQF reduced crime



“... if there is an impact [of SQF on crime], it is so localized and dissipates so rapidly that it fails to register in annual precinct crime rates, much less the decade-long citywide crime reductions that public officials have attributed to the policy” (Rosenfeld & Fornango 2014)

# Positive Effects of SQF via reduction in neighborhood disorder?

- ▶ “Broken Windows” Kelling & Wilson, Atlantic Monthly, 1982
- ▶ Mid-1970s NJ Safe and Clean Neighborhood program: No crime reduction, yet improvement of feelings of safety

“But how can a neighborhood be "safer" when the crime rate has not gone down... Finding the answer requires first that we understand what most often frightens people in public places. Many citizens, of course, are primarily frightened by crime... But we tend to overlook another source of fear—the fear of being bothered by disorderly people. Not violent people, nor, necessarily, criminals, but disreputable or obstreperous or unpredictable people: panhandlers, drunks, addicts, rowdy teenagers, prostitutes, loiterers, the mentally disturbed.

What foot-patrol officers did was to elevate, to the extent they could, the level of public order in these neighborhoods.”

# Negative Effects

Negative effects on those stopped (e.g., Geller et. al 2014)

Collateral damage/Community effects - vicarious experiences (e.g., Brunson 2007); chilling effect (Lerman and Weaver 2014); community violence and children's test scores (Sharkey 2010)

## Racial biases

Racial composition conflated with neighborhood disorder (Sampson and Raudenbusch 2004)

NYPD data - Blacks and Hispanics stopped more often than Whites net of precinct and criminality (Gelman, Fagan, and Kiss 2007)

“The racial-spatial concentration of excess stop activity threatens to undermine police legitimacy and diminish the social good of policing, while doing little to reduce crime or disorder.” (Fagan et al. 2009)

# *A Mailman Handcuffed in Brooklyn, Caught on Video*



Glen Grays, a 27-year-old mail carrier, and his mother, Sonya Sapp, at a news conference in Brooklyn on Tuesday. Dave Sanders for The New York Times

By the time Mr. Grays arrived at the front door of 999 President Street, the police were approaching him. A [video of the incident](#), taken by an observer on the street, begins at this point and shows Mr. Grays, in his postal uniform, as he is handcuffed, frisked and taken to the unmarked car. The officers tell him to stop resisting, even though there is no evidence in the video of resistance. What the video does not show, Mr. Grays said, is what happened next, after he was placed in the back seat of the unmarked car, with his hands cuffed and without a seatbelt, compelling him to leave the mail truck unattended. The driver, who had turned around to taunt him, hit the vehicle in front of them, Mr. Grays said, causing him to bang his shoulder against the front seat. Mr. Grays was then taken to the 71st Precinct station, where he was issued a summons for disorderly conduct that will require him to appear in court. He was then released.

NY Times, March 25, 2016

# *A Mailman Handcuffed in Brooklyn, Caught on Video*



Glen Grays, a 27-year-old mail carrier, and his mother, Sonya Sapp, at a news conference in Brooklyn on Tuesday. Dave Sanders for The New York Times

The arrest of the mail carrier, [Glen Grays](#), attracted national attention after a cellphone recording taken by one of several witnesses at the scene of the March 17 episode was released by the office of Eric L. Adams, the Brooklyn borough president, last week.

Mr. Grays is the oldest of six boys. His mother, Sonya Sapp, who lives in middle-income housing in Fort Greene, spoke briefly, only to say, "I worry about them every day, every minute, every second of every day," before fading off with, "I'm short on words; I'm just hurt."

Mr. Grays's fiancée is also shaken. She is a New York City police officer he met while delivering the mail.

NY Times, March 25, 2016 and March 29, 2016

# Hypotheses: Heterogeneous Effects

## Positive effects on mental health

- ▶ Stop, Question, and Frisk approach improves actual or perceived safety
- ▶ Positive effects potentially greatest in poor minority communities because this is where crime/disorder are concentrated (Guiliani; Kelly; Bloomberg)

## Negative effects on mental health (Blacks)

- ▶ Stop, Question, and Frisk approach is intrusive, stressful, traumatic

# Data Sources

- ▶ Monthly stops, frisks, arrests from NYPD administrative data, UF-250 forms
- ▶ Self-reported mental and physical health from NYC Community Health Survey (CHS)
- ▶ Annual crime data from NYPD
- ▶ Neighborhood characteristics and Population counts from 2000 and 2010 US Census and 2009-2013 ACS
- ▶ Pluto file and GIS to map 77 police precincts to 34 neighborhoods





**STOP, QUESTION AND FRISK  
REPORT WORKSHEET**  
PD344-151A (Rev. 11-02)

(COMPLETE ALL CAPTIONS)

Pct. Serial No. _____	
Date _____	Pct. Of Occ. _____

Time Of Stop _____	Period Of Observation Prior To Stop _____	Radio Run/Sprint # _____
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Address/Intersection Or Cross Streets Of Stop \_\_\_\_\_

<input type="checkbox"/> Inside	<input type="checkbox"/> Transit	Type Of Location _____
<input type="checkbox"/> Outside	<input type="checkbox"/> Housing	Describe: _____

Specify Which Felony/P.L. Misdemeanor Suspected _____	Duration Of Stop _____
---	------------------------

**What Were Circumstances Which Led To Stop?  
(MUST CHECK AT LEAST ONE BOX)**

- |  |  |
|--|--|
| <input type="checkbox"/> Carrying Objects In Plain View Used In Commission Of Crime e.g., Slim Jim/Pry Bar, etc. | <input type="checkbox"/> Actions Indicative Of Engaging In Drug Transaction.             |
| <input type="checkbox"/> Fits Description.   | <input type="checkbox"/> Furtive Movements.  |
| <input type="checkbox"/> Actions Indicative Of "Casing" Victim Or Location.                                      | <input type="checkbox"/> Actions Indicative Of Engaging In Violent Crimes.               |
| <input type="checkbox"/> Actions Indicative of Acting As A Lookout.  | <input type="checkbox"/> Wearing Clothes/Disguises Commonly Used In Commission Of Crime. |
| <input type="checkbox"/> Suspicious Bulge/Object (Describe)  |  |
| <input type="checkbox"/> Other Reasonable Suspicion Of Criminal Activity (Specify)                               |  |

Name Of Person Stopped _____	Nickname/ Street Name _____	Date Of Birth _____
------------------------------	-----------------------------	---------------------

Address _____	Apt. No. _____	Tel. No. _____
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Identification:  Verbal  Photo I.D.  Refused  
 Other (Specify) \_\_\_\_\_

Sex:  Male  Female  
Race:  White  Black  White Hispanic  Black Hispanic  
 Asian/Pacific Islander  American Indian/Alaskan Native

Age _____	Height _____	Weight _____	Hair _____	Eyes _____	Build _____
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Other (Scars, Tattoos, Etc.) \_\_\_\_\_

Did Officer Explain Reason For Stop?  Yes  No  
If No, Explain: \_\_\_\_\_

Were Other Persons Stopped/ Questioned/Frisked?  Yes  No  
If Yes, List Pct. Serial Nos. \_\_\_\_\_

If Physical Force Was Used, Indicate Type:

<input type="checkbox"/> Hands On Suspect	<input type="checkbox"/> Drawing Firearm
<input type="checkbox"/> Suspect On Ground	<input type="checkbox"/> Baton
<input type="checkbox"/> Pointing Firearm At Suspect	<input type="checkbox"/> Pepper Spray
<input type="checkbox"/> Handcuffing Suspect	<input type="checkbox"/> Other (Describe)
<input type="checkbox"/> Suspect Against Wall/Car	

Was Suspect Arrested? <input type="checkbox"/> Yes <input type="checkbox"/> No	Offense _____	Arrest No. _____
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Was Summons Issued? <input type="checkbox"/> Yes <input type="checkbox"/> No	Offense _____	Summons No. _____
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Officer In Uniform? <input type="checkbox"/> Yes <input type="checkbox"/> No	If No, How Identified? <input type="checkbox"/> Verbal <input type="checkbox"/> Shield <input type="checkbox"/> I.D. Card
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# UF-250 Form

**Was Person Frisked?**  Yes  No **IF YES, MUST CHECK AT LEAST ONE BOX**

- |   |   |  |
|---|---|--|
| <input type="checkbox"/> Inappropriate Attire - Possibly Concealing Weapon                                | <input type="checkbox"/> Furtive Movements                                | <input type="checkbox"/> Refusal To Comply With Officer's Direction(s) Leading To Reasonable Fear For Safety |
| <input type="checkbox"/> Verbal Threats Of Violence By Suspect  | <input type="checkbox"/> Actions Indicative Of Engaging In Violent Crimes | <input type="checkbox"/> Violent Crime Suspected   |
| <input type="checkbox"/> Knowledge Of Suspects Prior Criminal Violent Behavior/Use Of Force/Use Of Weapon |   | <input type="checkbox"/> Suspicious Bulge/Object (Describe)  |
| <input type="checkbox"/> Other Reasonable Suspicion of Weapons (Specify) _____                            |   |  |

**Was Person Searched?**  Yes  No **IF YES, MUST CHECK AT LEAST ONE BOX**  Hard Object  Admission Of Weapons Possession

- Outline Of Weapon  Other Reasonable Suspicion of Weapons (Specify) \_\_\_\_\_

**Was Weapon Found?**  Yes  No **If Yes, Describe:**  Pistol/Revolver  Rifle/Shotgun  Assault Weapon  Knife/Cutting Instrument

- Machine Gun  Other (Describe) \_\_\_\_\_

**Was Other Contraband Found?**  Yes  No **If Yes, Describe Contraband And Location** \_\_\_\_\_

Demeanor Of Person After Being Stopped \_\_\_\_\_  
Remarks Made By Person Stopped \_\_\_\_\_

**Additional Circumstances/Factors: (Check All That Apply)**

- |   |  |
|---|--|
| <input type="checkbox"/> Report From Victim/Witness   | <input type="checkbox"/> Evasive, False Or Inconsistent Response To Officer's Questions            |
| <input type="checkbox"/> Area Has High Incidence Of Reported Offense Of Type Under Investigation        | <input type="checkbox"/> Changing Direction At Sight Of Officer/Flight                             |
| <input type="checkbox"/> Time Of Day, Day Of Week, Season Corresponding To Reports Of Criminal Activity | <input type="checkbox"/> Ongoing Investigations, e.g., Robbery Pattern                             |
| <input type="checkbox"/> Suspect Is Associating With Persons Known For Their Criminal Activity          | <input type="checkbox"/> Sights And Sounds Of Criminal Activity, e.g., Bloodstains, Ringing Alarms |
| <input type="checkbox"/> Proximity To Crime Location  |  |
| <input type="checkbox"/> Other (Describe) _____   |  |

Pct. Serial No. \_\_\_\_\_ Additional Reports Prepared: Complaint Rpt.No. \_\_\_\_\_ Juvenile Rpt. No. \_\_\_\_\_ Aided Rpt. No. \_\_\_\_\_ Other Rpt. (Specify) \_\_\_\_\_

REPORTED BY: Rank, Name (Last, First, M.I.) \_\_\_\_\_

Print \_\_\_\_\_ Tax# \_\_\_\_\_  
Signature \_\_\_\_\_ Command \_\_\_\_\_

REVIEWED BY: Rank, Name (Last, First, M.I.) \_\_\_\_\_

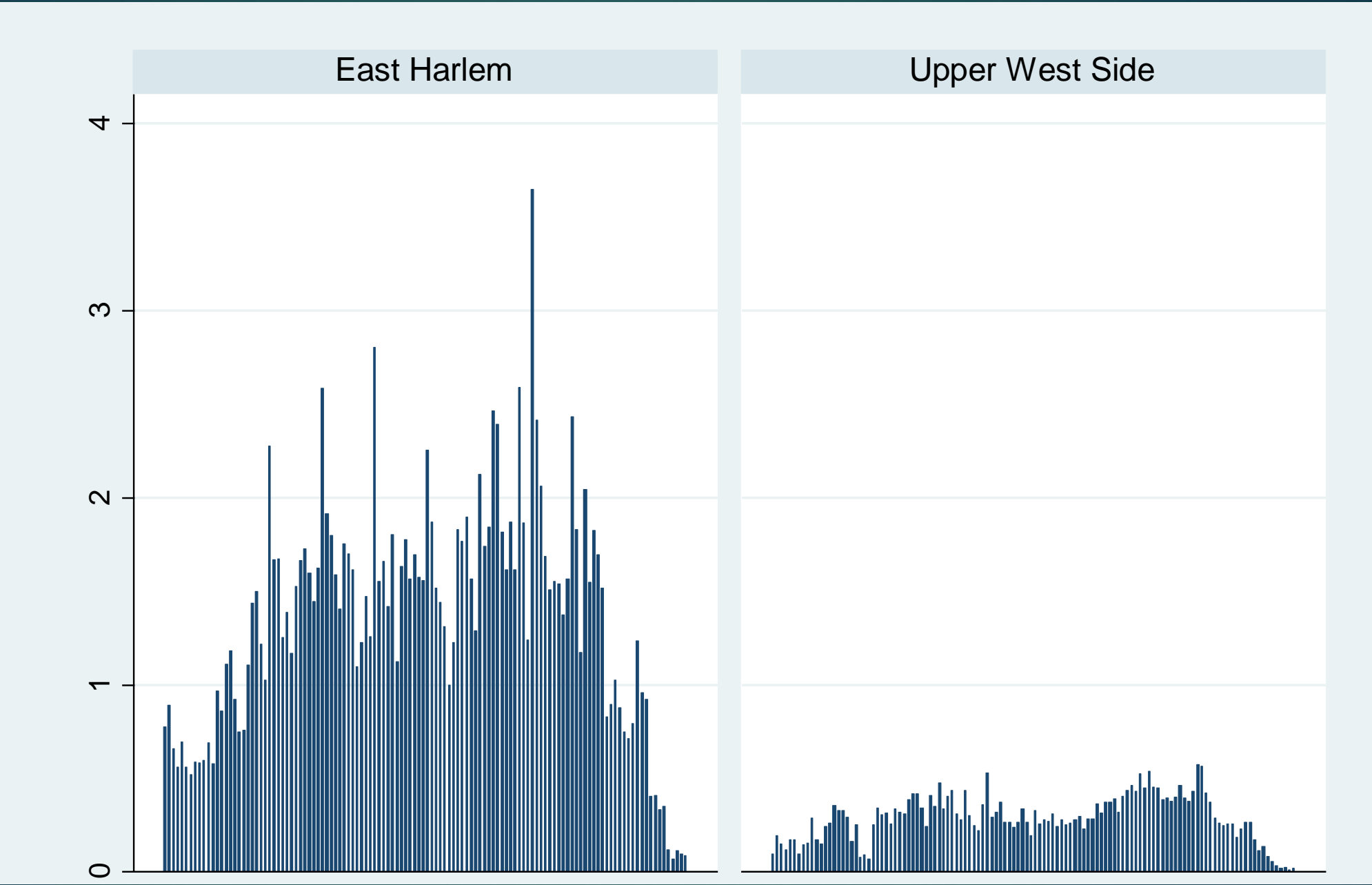
Print \_\_\_\_\_ Tax# \_\_\_\_\_  
Signature \_\_\_\_\_ Command \_\_\_\_\_

One detailed record for each of 4,984,392 stops from 2003-2013

# Neighborhood Stop Rates

1. Aggregate stops to police precinct and month
2. Use GIS to map precincts onto 34 NYC neighborhoods
3. Divide stops by neighborhood population

KEY INDEPENDENT VARIABLE = "Stop rate prior 12 mos"



East Harlem

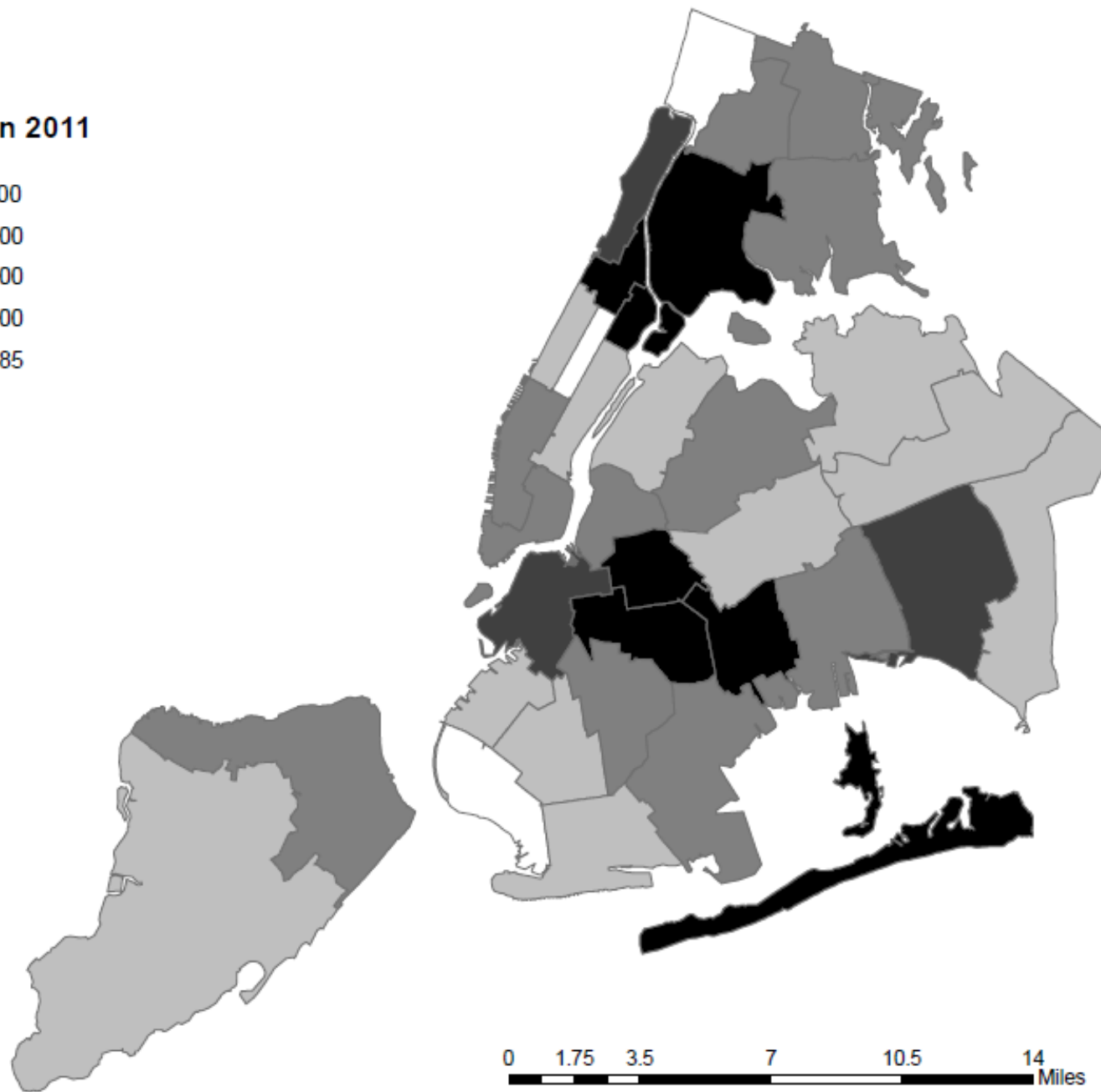
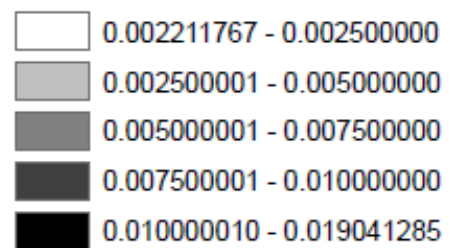
Upper West Side

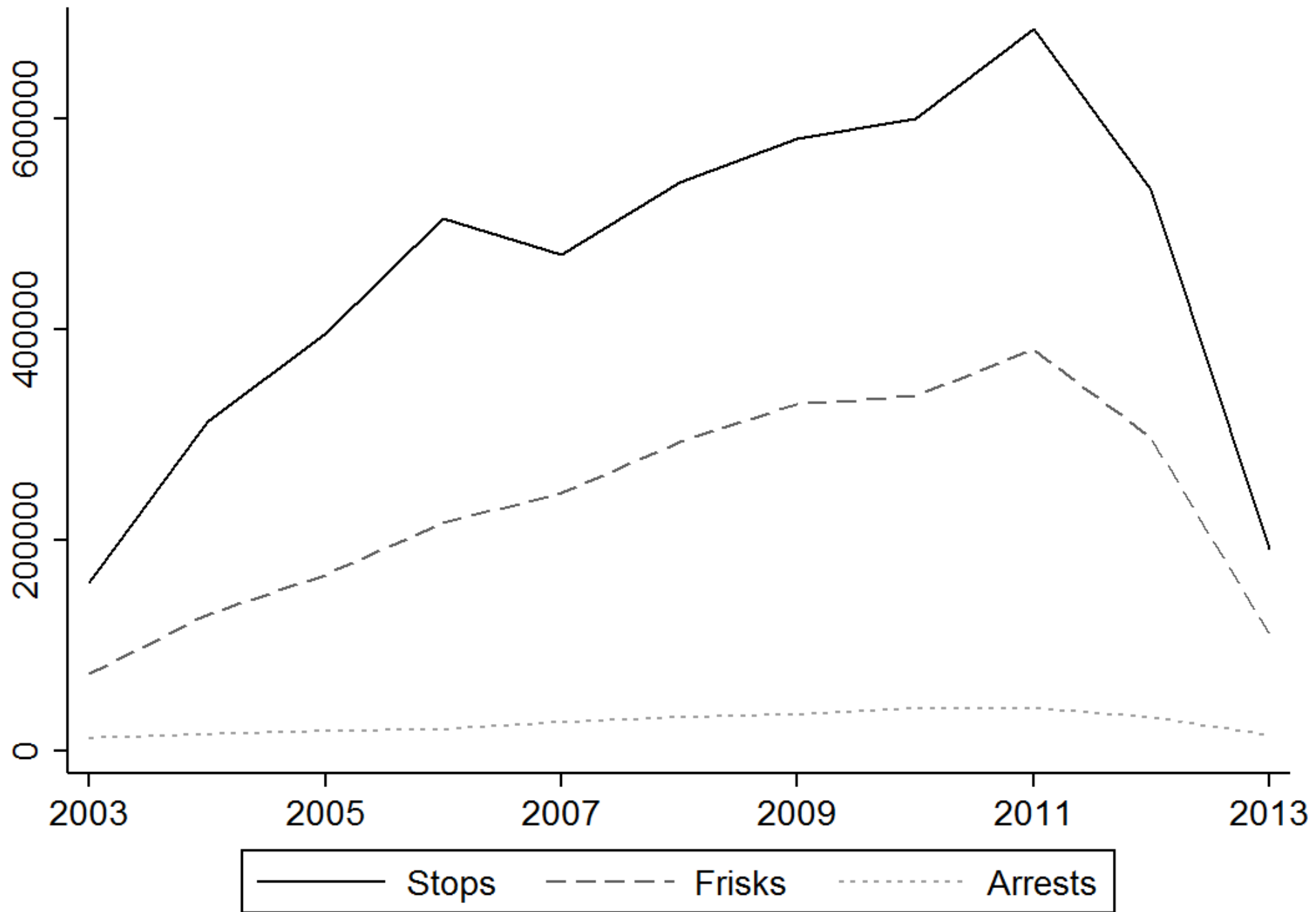
4  
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Jan2003 to Dec 2013

Jan2003 to Dec 2013

### Average rate of stops in 2011





# Community Health Survey (CHS)

- ▶ 2002-2012 Annual survey of New York residents (use 2004-2012)
- ▶ Repeat cross-section
- ▶ N= ~10,000 individual respondents per year age 18+
- ▶ 34 NYC neighborhoods
- ▶ Telephone survey – response rates 29% to 40%; cell phones 2009
- ▶ With survey weights, representative of NYC population 18+ years old
  
- ▶ Merge CHS microdata w/ Aggregate Stop Rates by calendar month and neighborhood

2010

	Census data	CHS
Male	47.5	46.20
Female	52.5	53.8
Black	25.5	22.8
Asian	12.7	10.1
Hispanic	28.6	25.6
White	33.3	39.5
15-24 yrs	14.4	5.7
25-34 yrs	17.0	12.5
35-44 yrs	14.1	16.1
45-54 yrs	13.5	18.9
55+ yrs	23.0	42.0
N	8,175,133	8,665,000

2010

	Census data	CHS	Stops
Male	47.5	46.20	91.80
Female	52.5	53.8	8.2
Black	25.5	22.8	46.3
Asian	12.7	10.1	4.1
Hispanic	28.6	25.6	32.7
White	33.3	39.5	13.3
15-24 yrs	14.4	5.7	48.5
25-34 yrs	17.0	12.5	25.0
35-44 yrs	14.1	16.1	12.6
45-54 yrs	13.5	18.9	8.6
55+ yrs	23.0	42.0	3.1
N	8,175,133	8,665,000	601,285



# Dependent Variables – Health (CHS)

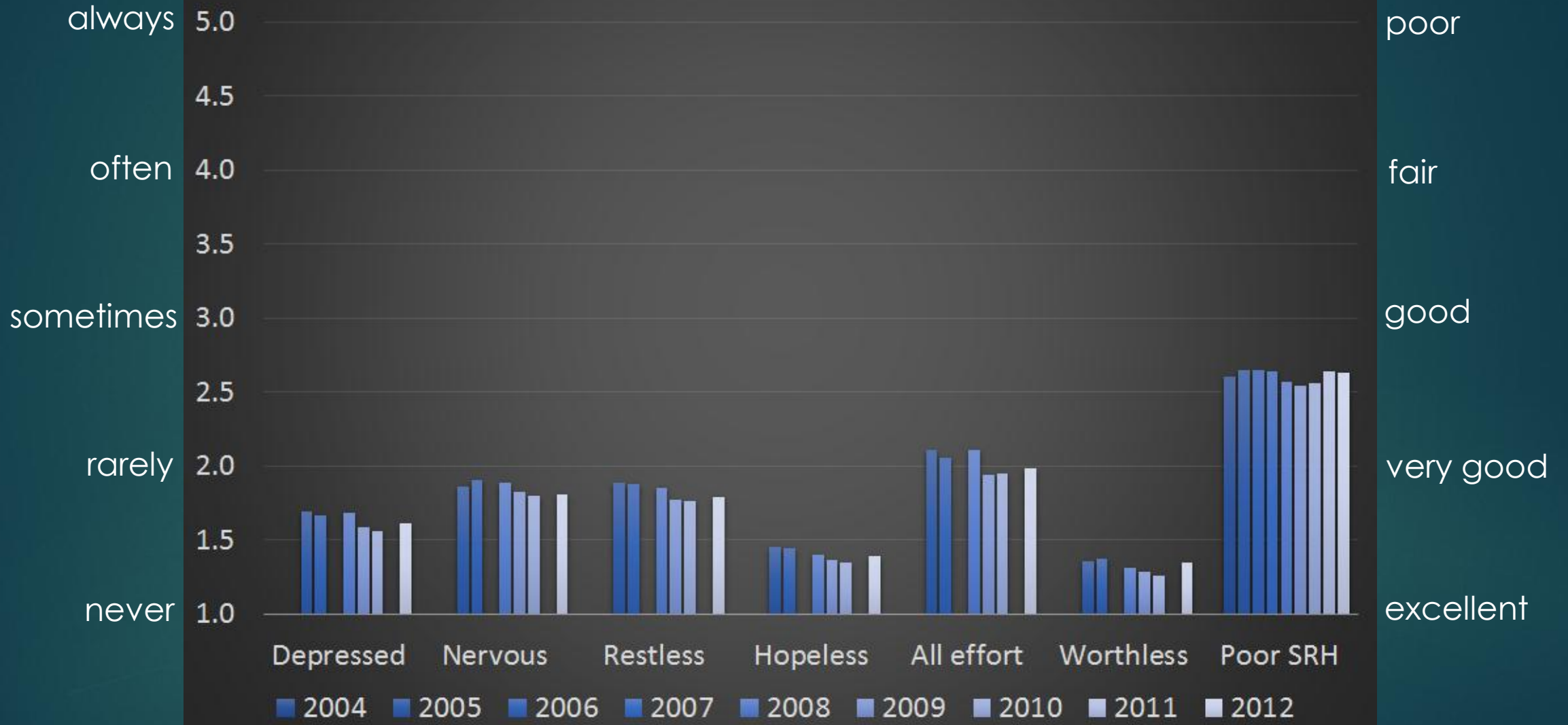
In the past 30 days, how often did you feel ... depressed, nervous, restless, hopeless, that everything was an effort, or worthless?

from 1=none of the time to 5 =all the time

Would you say that in general your health is excellent, very good, good, fair, or poor?

from 1 = excellent to 5 = poor

# Mean Mental and Physical Health by Year 2004-2012



Tabulations from Community Health Survey. All variables on 5-point scale with higher values indicating worse mental or physical health.

# Controlling for Neighborhood Crime rate

- ▶ Annual data (FOIL for monthly)
- ▶ Thefts = sum(robbery + burglary + grand larceny + grand larceny auto)
- ▶ Violent crime = sum(murder + rape + felony assault)
- ▶ Crime rate = crimes / neighborhood population
- ▶ Crime rate last year = weighted average of crime in interview year and prior year  
e.g., interviewed in March 2008  
(.25 \* crime rate in 2008) + (.75 \* crime rate in 2007)
- ▶ Aggregate Crime rate also merged with CHS microdata

# Controlling for Neighborhood Characteristics

- ▶ Derived from Census 2000/2010 and ACS 2009-2013
- ▶ Poverty - % of people below poverty level among those for whom poverty level is determined
- ▶ Estimates vary by neighborhood and year:
- ▶ E.g., Poverty = weighted average of poverty in interview year and prior year  
e.g., interviewed in March 2008  
(.25 \* poverty rate in 2008) + (.75 \* poverty rate in 2007)

# Modeling approach

Ordered logit with standard errors adjusted for neighborhood clustering

$$(1) \text{Health}_{i,n,m} = \text{fn}(\text{Stops}_{n,m(m-12 \text{ to } m-1)} + \text{Neighborhood}_n + \text{Year} + X_{i,n} + \text{Pov}_{n,m(m-12 \text{ to } m-1)})$$

Subscripts: person  $i$ , neighborhood  $n$ , month  $m$

$X$ , individual-level control variables, include sex, age, married, has kids, educational attainment, employment status.

Pov, neighborhood-level poverty rate

# Modeling approach

Ordered logit with standard errors adjusted for neighborhood clustering

$$(1) \text{Health}_{i,n,m} = \text{fn}(\text{Stops}_{n,m(m-12 \text{ to } m-1)} + \text{Neighborhood}_n + \text{Year} + X_{i,n} + \text{Pov}_{n,m(m-12 \text{ to } m-1)})$$

$$(2) \text{Health}_{i,n,m} = \text{fn}(\text{Stops}_{n,m(m-12 \text{ to } m-1)} + \text{Neighborhood}_n + \text{Year} + X_{i,n} + \text{Pov}_{n,m(m-12 \text{ to } m-1)} + \text{Crime}_{n,m(m-12 \text{ to } m-1)})$$

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$$(3) \text{Health}_{i,n,m} = \text{fn}(\text{Stops}_{n,m(m+1 \text{ to } m+12)} + \text{Neighborhood}_n + \text{Year} + X_{i,n} + \text{Pov}_{n,m(m-12 \text{ to } m-1)}) \text{ [Falsification test]}$$

Subscripts: person  $i$ , neighborhood  $n$ , month  $m$

$X$ , individual-level control variables, include sex, age, married, has kids, educational attainment, employment status.

Pov, neighborhood poverty rate

# Modeling approach

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Subscripts: person  $i$ , neighborhood  $n$ , month  $m$

$X$ , individual-level control variables, include sex, age, race, Hispanic, married, has kids, educational attainment, employment status.

Pov, neighborhood-level poverty rate

**RESULTS: Ordered Logit Coefficients on Stops;**

**Predicted values of health outcomes at Low (2004) and High (2011) stop rate**

**Black subsample, then non-Black Sample**



# Stop Rates associated with **Worse** Health Outcomes for **Black** NYC Residents

	Depressed	Nervous	Restless	Hopeless	All effort	Worthless	Poor SRH
Stop rate	29.6 *	27.4 *	34.1 **	33	13.7	5.7	21.7 *
prior 12 mos	(2.24)	(2.10)	(2.80)	(1.64)	(0.88)	(0.25)	(1.96)
<i>N</i>	12901	12913	12910	12907	12894	12903	19406

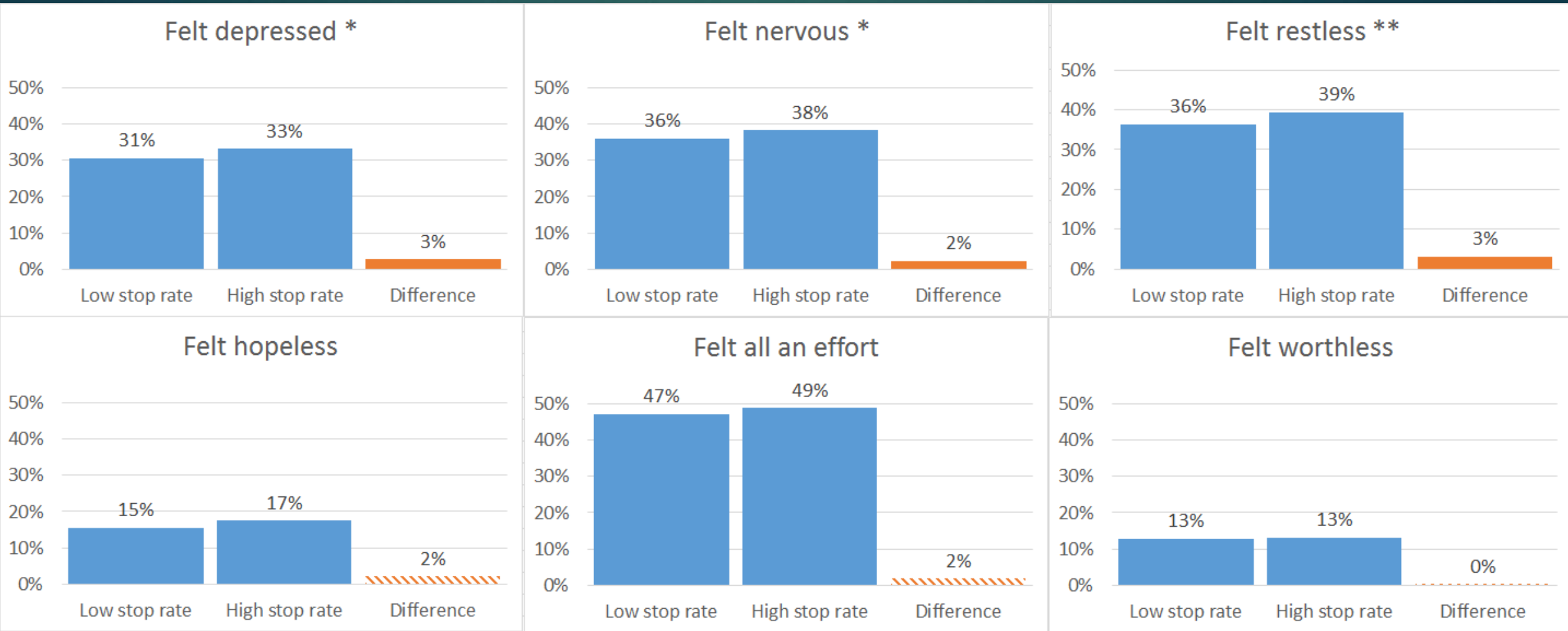
Ordered logit coefficients and (t-statistics)

p<.05; \*\* p<.01

Dependent variables on 5-point scale with higher values indicating worse health

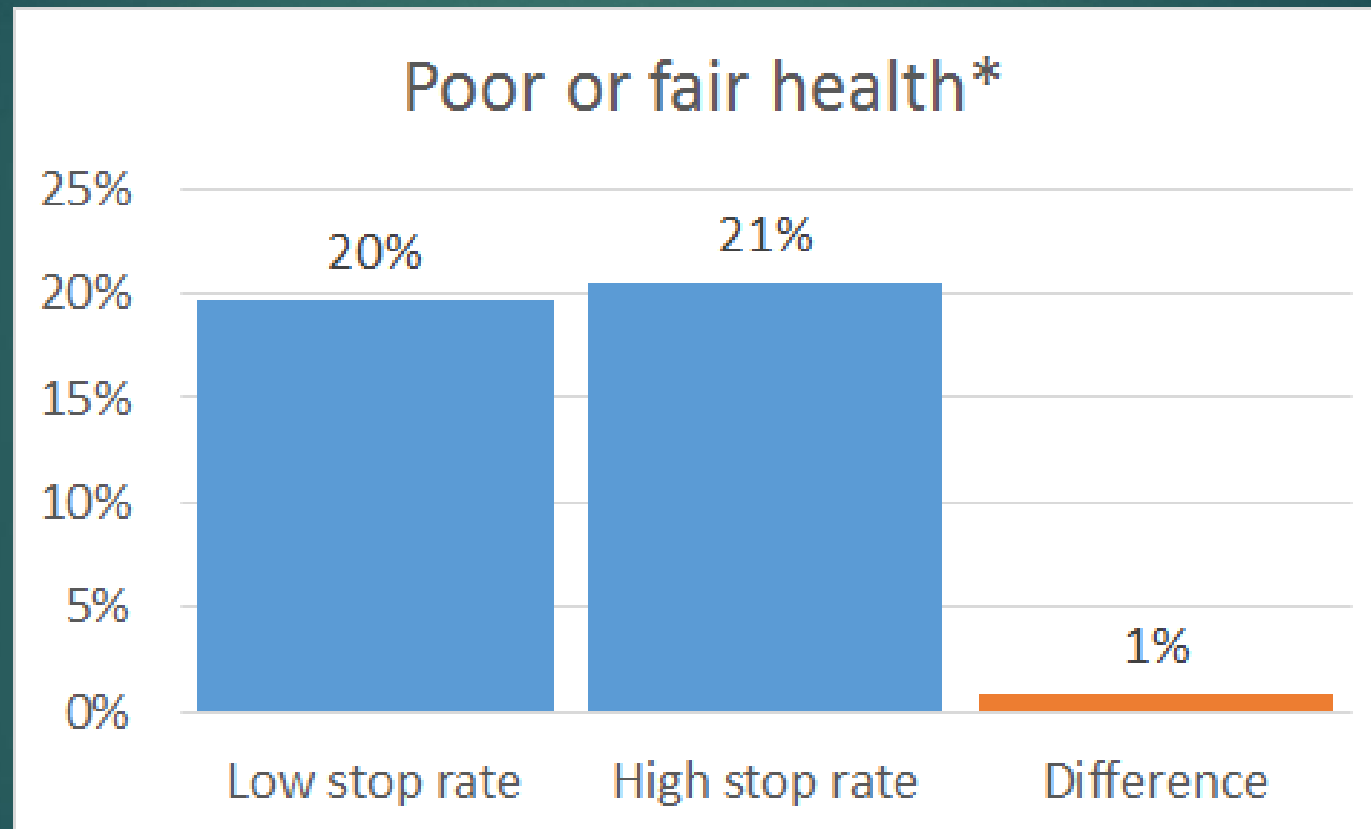
All models include neighborhood and year fixed effects, individual-level control variables, neighborhood poverty rate

# Black New Yorkers' Mental Health x Low/High Stops



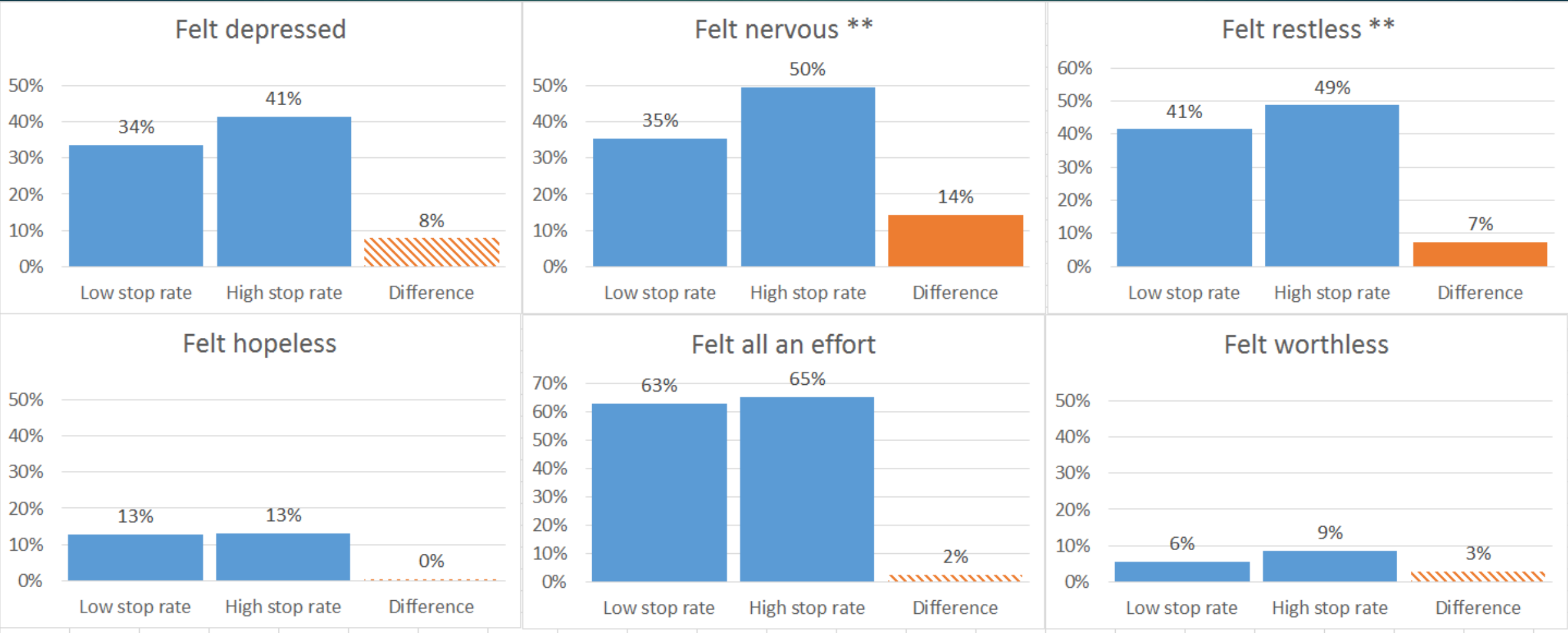
Predicted values for low stop rate (2004) and high stop rate (2011)  
Derived from ordered logit, post-estimation margins with other covariates fixed at means

# Black New Yorkers' Self-Reported Health x Low/High Stops



Predicted values for low stop rate (2004) and high stop rate (2011)  
Derived from ordered logit, post-estimation margins with other covariates fixed at means

# YOUNG Black New Yorkers' Mental Health x Low/High Stops



Predicted values for low stop rate (2004) and high stop rate (2011)  
 Derived from ordered logit, post-estimation margins with other covariates fixed at means

# Black Sample Results Persist (Slight Attenuation) w/Controls for Neighborhood Crime

	Depressed	Nervous	Restless	Hopeless	All effort	Worthless	Poor SRH
Stop rate	28.2 *	24.7	31.9 *	30.2	11.9	3.7	17.7
prior 12 mos	(2.23)	(1.87)	(2.55)	(1.47)	(0.76)	(0.16)	(1.56)
Theft rate	21.5	38.6	31.1	43.8	26.7	29.4	37.2 ***
prior 12 mos	(1.13)	(1.81)	(1.86)	(1.43)	(1.15)	(1.12)	(3.77)
<i>N</i>	12901	12913	12910	12907	12894	12903	19406

Ordered logit coefficients and (t-statistics)

p<.05; \*\* p<.01

Dependent variables on 5-point scale with higher values indicating worse health

All models include neighborhood and year fixed effects, individual-level control variables, and neighborhood poverty

# Falsification Test for Black Residents

Results repeated for comparison:

	Depressed	Nervous	Restless	Hopeless	All effort	Worthless	Poor SRH
Stop rate	29.6 *	27.4 *	34.1 **	33	13.7	5.7	21.7 *
prior 12 mos	(2.24)	(2.10)	(2.80)	(1.64)	(0.88)	(0.25)	(1.96)
<i>N</i>	12901	12913	12910	12907	12894	12903	19406

Falsification test:

	Depressed	Nervous	Restless	Hopeless	All effort	Worthless	Poor SRH
Stop rate	-7.0	-6.7	-3.8	-15.5	-6.5	5.4	5.3
<u>next year</u>	(0.48)	(0.71)	(0.41)	(0.91)	(0.61)	(0.36)	(0.40)
<i>N</i>	12901	12913	12910	12907	12894	12903	19406

Ordered logit coefficients and (t-statistics)

p<.05; \*\* p<.01

Dependent variables on 5-point scale with higher values indicating worse health

All models include neighborhood and year fixed effects , individual-level control variables, and neighborhood poverty

# Stop Rates associated with **Better** Health Outcomes for **Non-Black** NYC Residents

	Depressed		Nervous		Restless		Hopeless		All effort		Worthless		Poor SRH
Stop rate	-38.6	**	-21.03	*	-18.76		-17.46		-18.84		-4.592		-2.615
prior 12 mos	(3.61)		(2.10)		(1.37)		(0.88)		(1.27)		(0.28)		(0.37)
<i>N</i>	41041		41062		41064		41063		41041		41044		61680

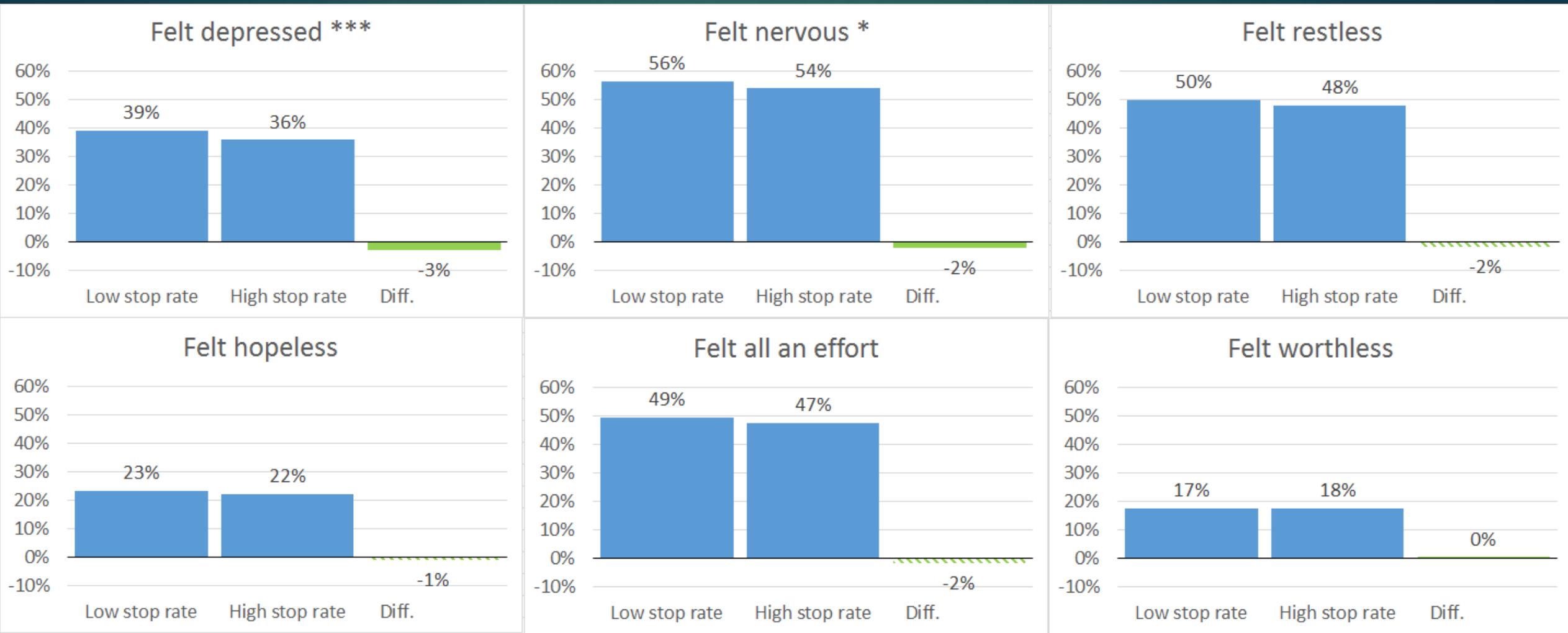
Ordered logit coefficients and (t-statistics)

p<.05; \*\* p<.01

Dependent variables on 5-point scale with higher values indicating worse health

All models include neighborhood and year fixed effects , individual-level control variables, and neighborhood poverty

# Non-Black New Yorkers' Mental Health x Low/High Stops



Predicted values for low stop rate (2004) and high stop rate (2011)  
Derived from ordered logit, post-estimation margins with other covariates fixed at means



# Non-Black Sample Results Persist (Some Attenuation) w/Controls for Neighborhood Crime

	Depressed	Nervous	Restless	Hopeless	All effort	Worthless	Poor SRH
Stop rate	-38.7 **	-19.6	-18.9	-15.8	-20.3	-6.0	-5.0
prior 12 mos	(3.55)	(1.95)	(1.37)	(0.80)	(1.40)	(0.37)	(0.65)
Theft rate	0.5	-5.9	0.4	-7.9	5.9	6.6	10.0 *
prior 12 mos	(0.08)	(1.50)	(0.08)	(1.43)	(1.61)	(1.37)	(2.57)
<i>N</i>	41041	41062	41064	41063	41041	41044	61680

Ordered logit coefficients and (t-statistics)

p<.05; \*\* p<.01

Dependent variables on 5-point scale with higher values indicating worse health

All models include neighborhood and year fixed effects, individual-level control variables, and neighborhood poverty

# Falsification Test for non-Black NYC Residents

Results repeated for comparison:

	Depressed		Nervous		Restless		Hopeless		All effort		Worthless		Poor SRH
Stop rate	-38.6	**	-21.03	*	-18.76		-17.46		-18.84		-4.592		-2.615
prior 12 mos	(3.61)		(2.10)		(1.37)		(0.88)		(1.27)		(0.28)		(0.37)
<i>N</i>	41041		41062		41064		41063		41041		41044		61680

Falsification test:

	Depressed		Nervous		Restless		Hopeless		All effort		Worthless		Poor SRH
Stop rate	10.6		-1.9		10.5		-5.6		-0.8		14.8	*	7.8
<u>next year</u>	(1.62)		(0.17)		(1.05)		(0.68)		(0.11)		(2.04)		(1.19)
<i>N</i>	48074		48100		48101		48096		48060		48071		68767

Ordered logit coefficients and (t-statistics)

p<.05; \*\* p<.01

Dependent variables on 5-point scale with higher values indicating worse health

All models include neighborhood and year fixed effects, individual-level control variables, and neighborhood poverty

# Limits and Cautions

- ▶ Observational data
- ▶ Community Health Survey underrepresents population at highest risk of being stopped and frisked
- ▶ SQF correlated with other policing variables

# Summary and Implications

- ▶ NYC's SQF policing in the 2000s: pervasive, low yield, uncertain effects on crime, ruled unconstitutional
- ▶ Negative effects on the mental health of African American New Yorkers (likely underestimates)
- ▶ Positive effects on mental health of non-Black New Yorkers
- ▶ Need for more data reporting and research on collateral damage

Thank you

# Interrelated Policing Practices

- ▶ “Broken Windows” →  
Zero tolerance Enforcement of quality of life crimes
- ▶ “Hot Spot Policing” →  
Statistical analysis of crime data, strategic targeting of police resources
- ▶ “Proactive policing” →  
Stop, Question, and Frisk  
*What we Measure*