Reimagining community safety from a public health perspective

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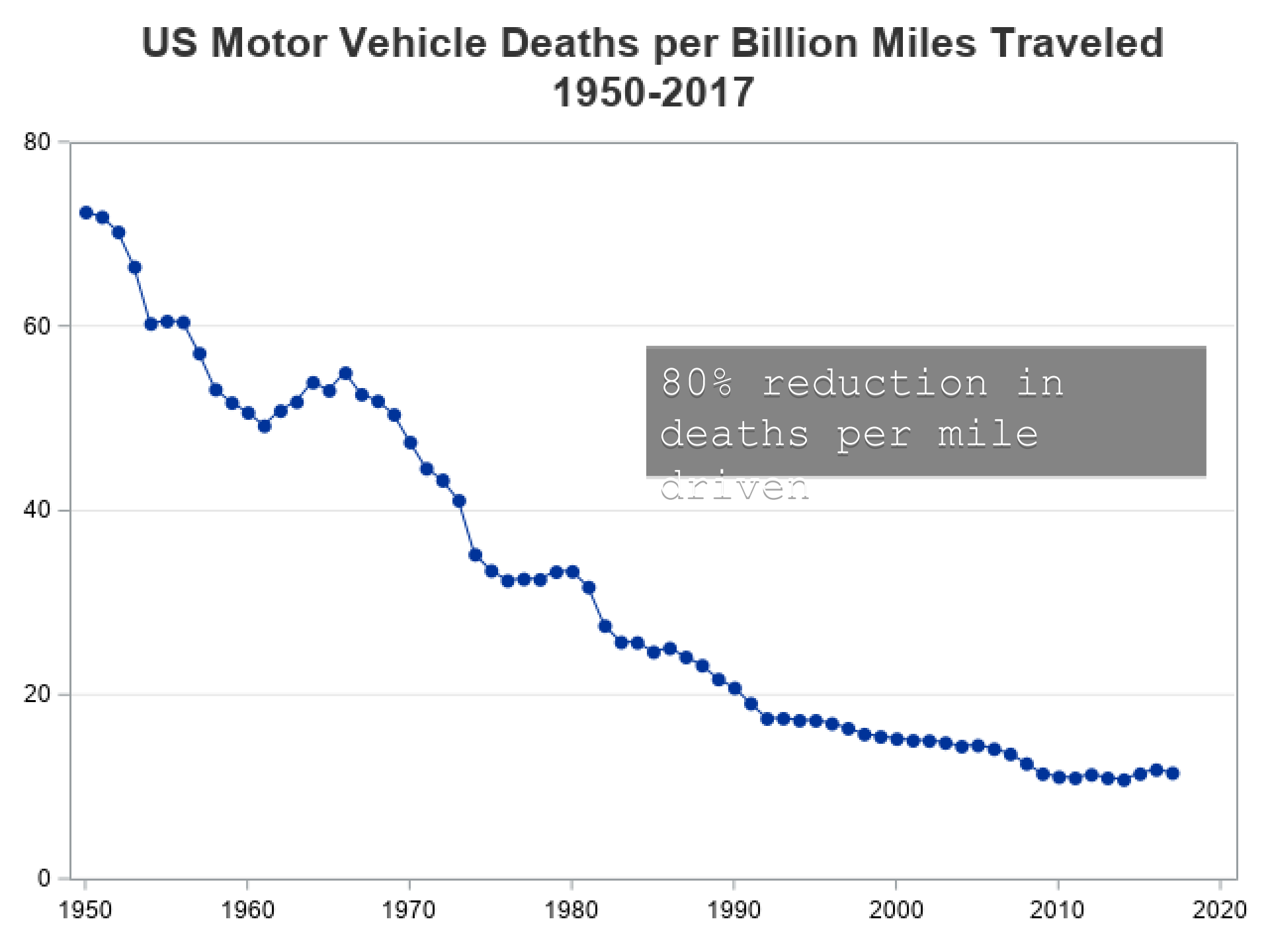
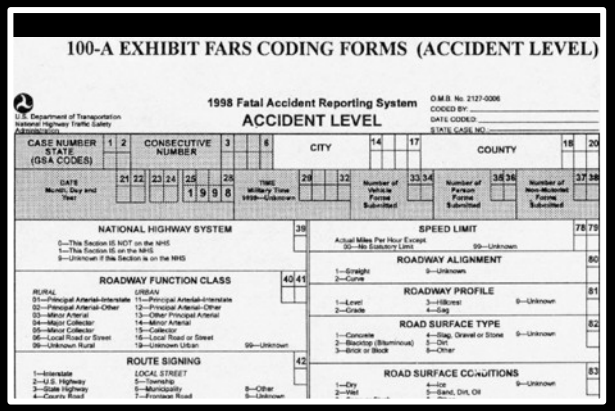
RISE Lab

BOSTON UNIVERSITY

GUN VIOLENCE IS A PUBLIC HEALTH ISSUE.


US Motor Vehicle Deaths per Billion Miles Traveled
1950-2017
80
60
40
20
0
1950
1960
1970
1980
1990
2000
2010
2020
80% reduction in deaths per mile driven

vs.



100-A EXHIBIT FARS CODING FORMS (ACCIDENT LEVEL)

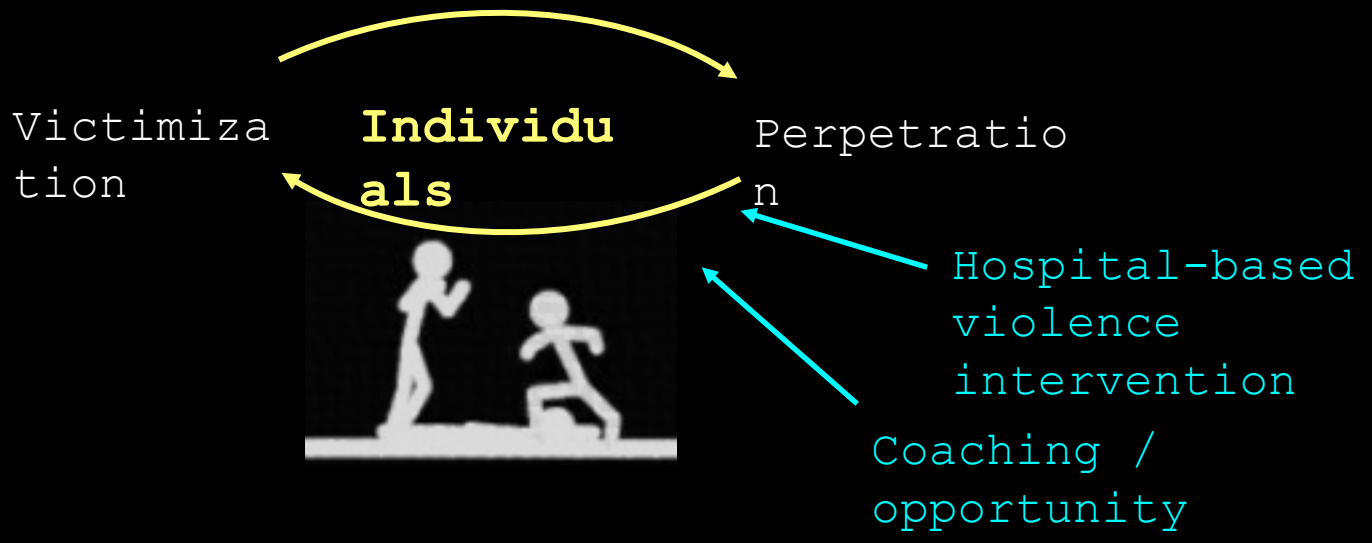
1998 Fatal Accident Reporting System

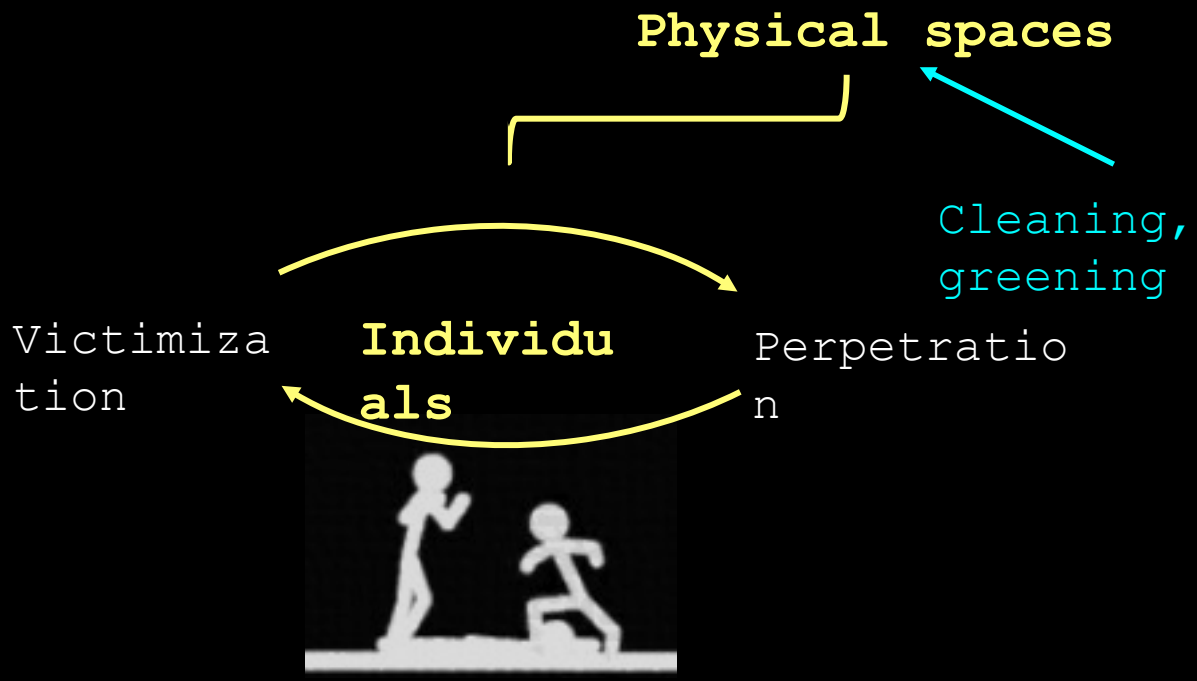
ACCIDENT LEVEL

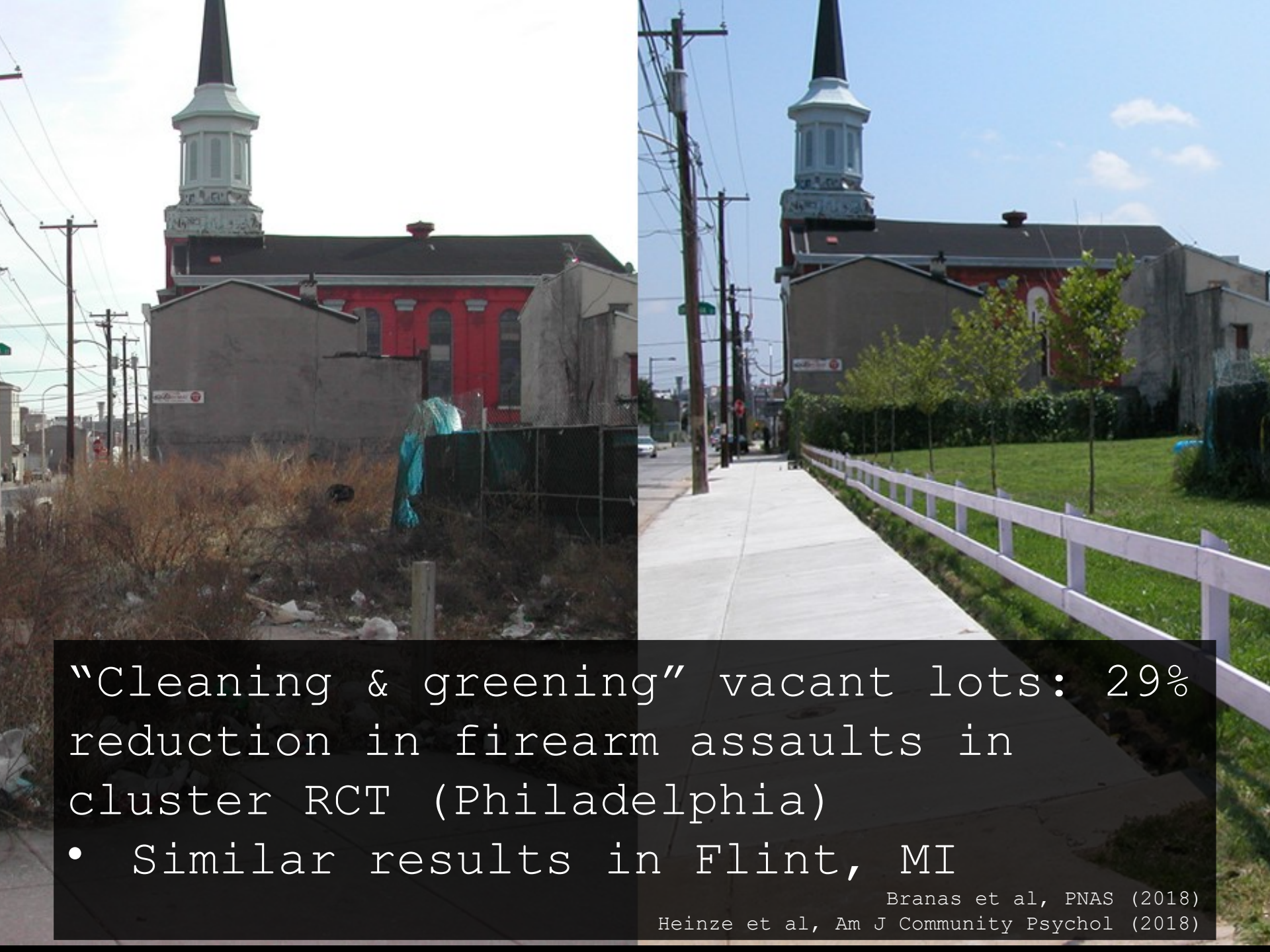
Victimization

Individuals

Perpetration


Victimiza
tion
Individu
als
Perpetratio
n
Hospital-based
violence
intervention
Coaching /
opportunity


Physical spaces
Cleaning, greening
Victimiza tion
Individu als
Perpetratio n



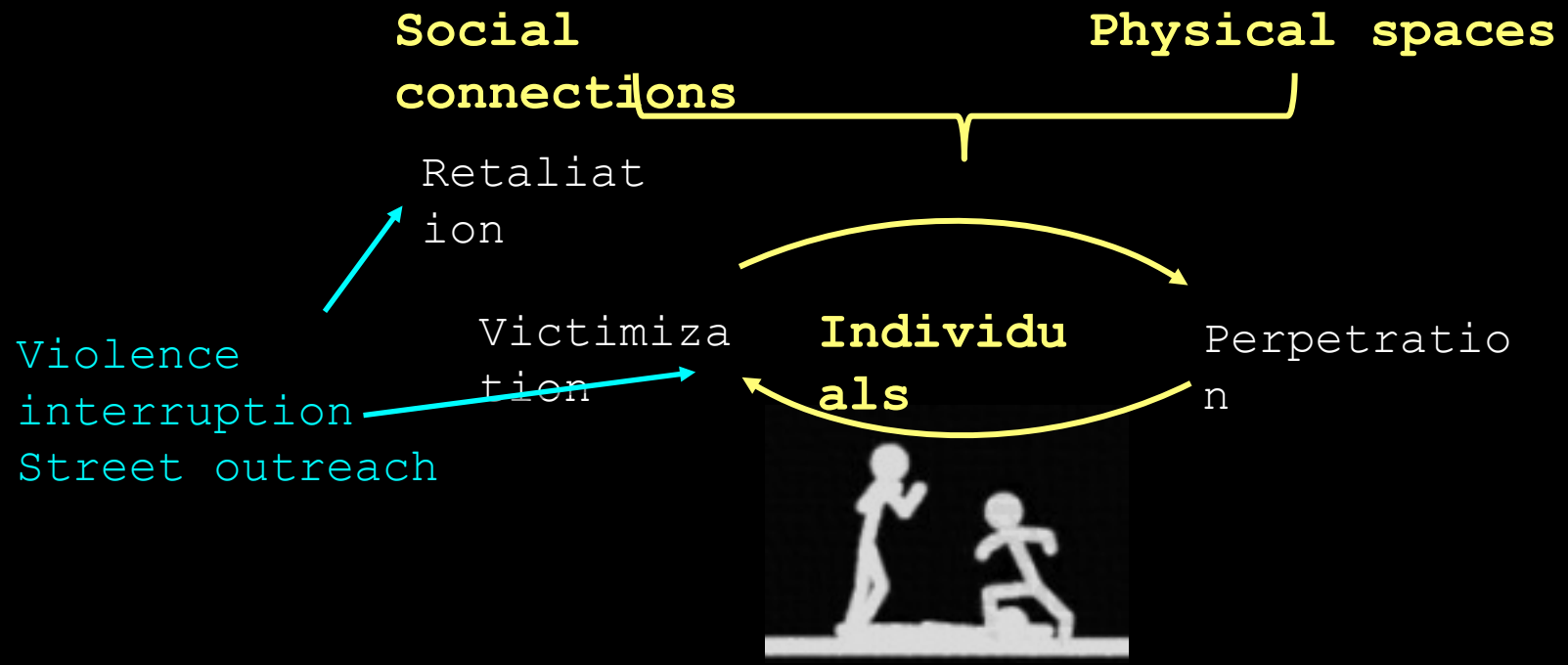
"Cleaning & greening" vacant lots: 29% reduction in firearm assaults in cluster RCT (Philadelphia)

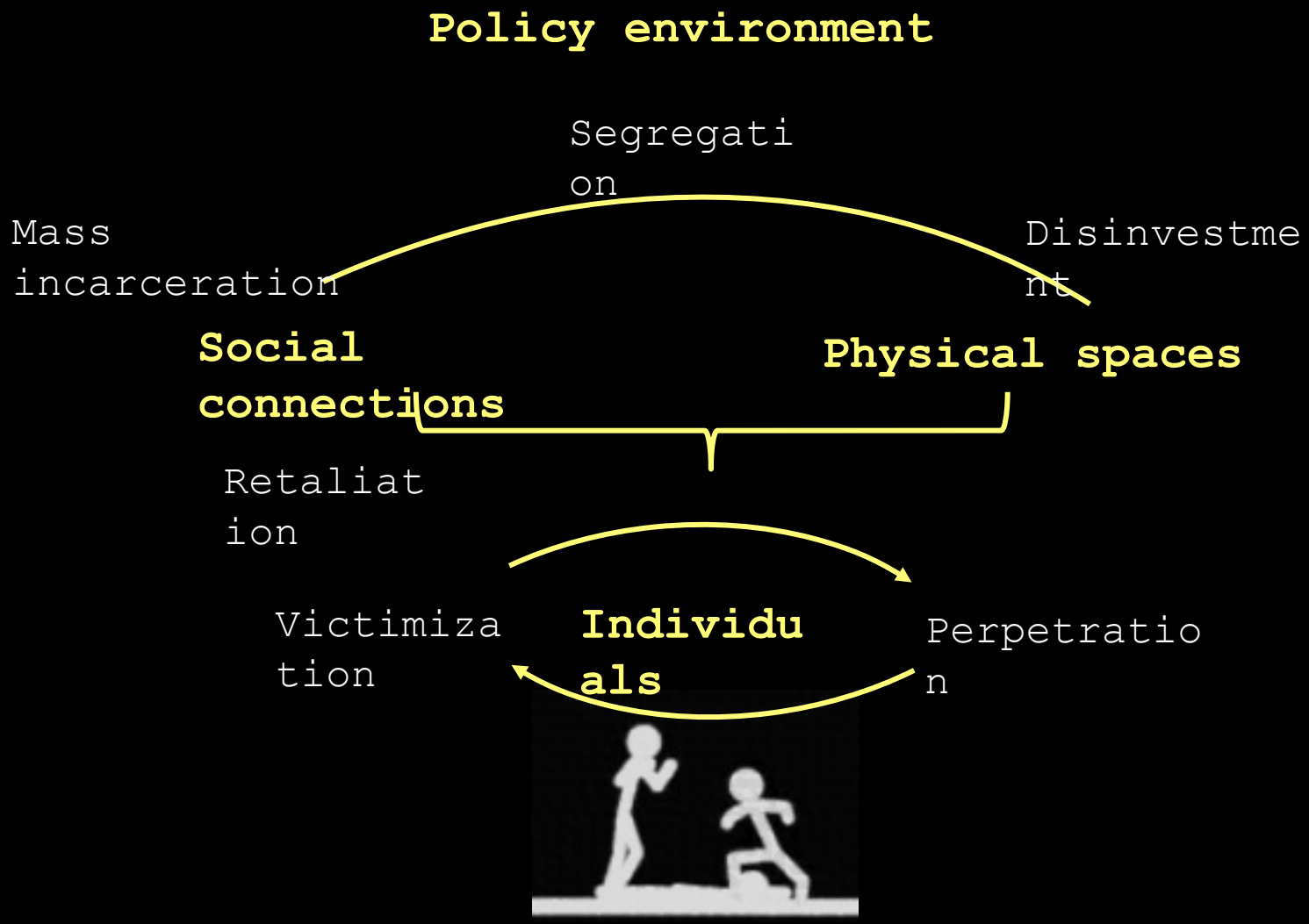
- Similar results in Flint, MI

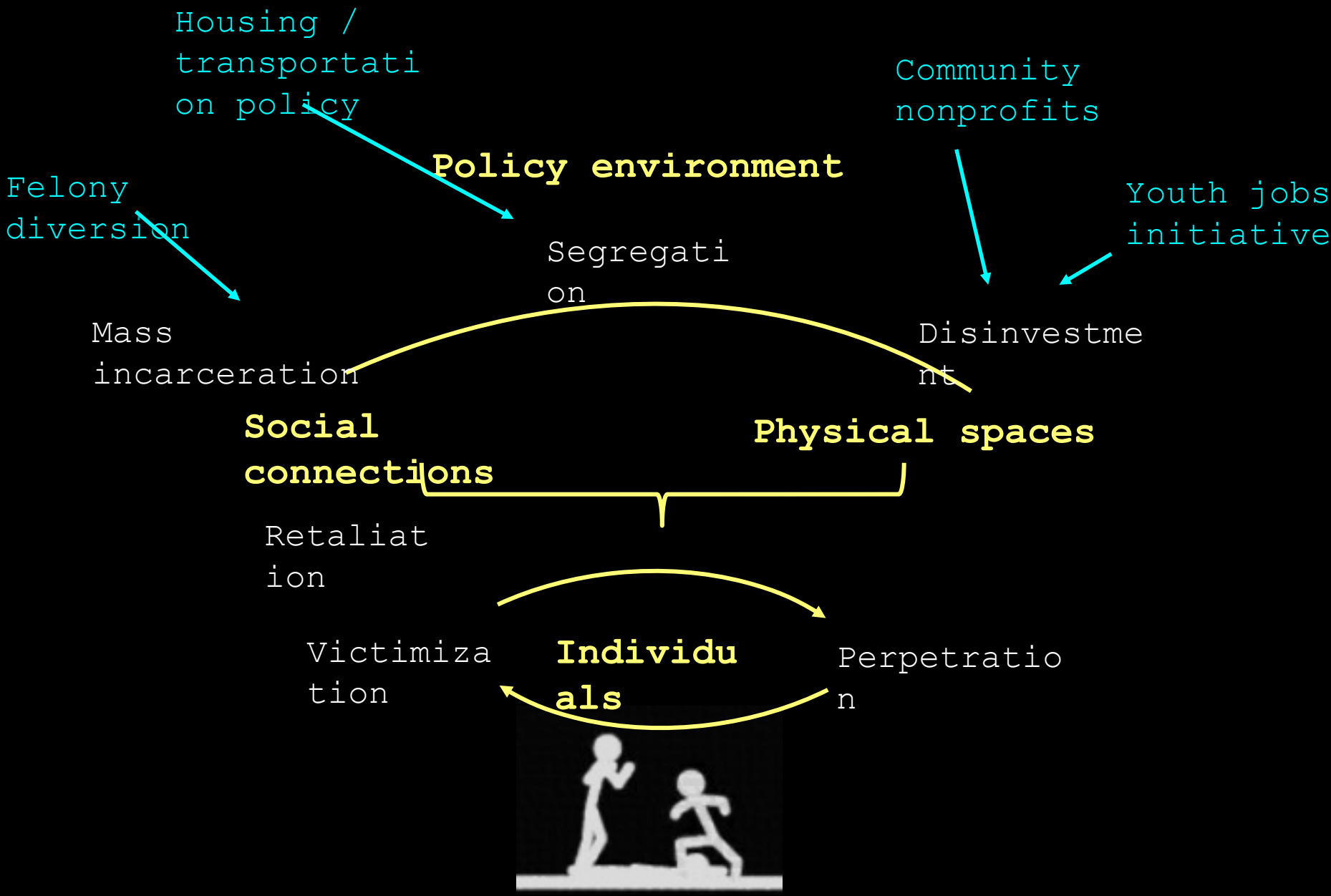
Branas et al, PNAS (2018)
Heinze et al, Am J Community Psychol (2018)

Busy Streets Theory (2015)

UMich: Zimmerman PI


Social connections
Physical spaces
Retaliation
Violence interruption
Street outreach
Victimization
Individuals
Perpetration


Policy environment
Segregation
Mass incarceration
Disinvestment
Social connections
Physical spaces
Retaliation
Victimization
Individuals
Perpetration


Housing / transportation policy
Community nonprofits
Policy environment
Felony diversion
Youth jobs initiative
Segregation
Mass incarceration
Disinvestment
Social connections
Physical spaces
Retaliation
Victimization
Individuals
Perpetration

Data & accountability

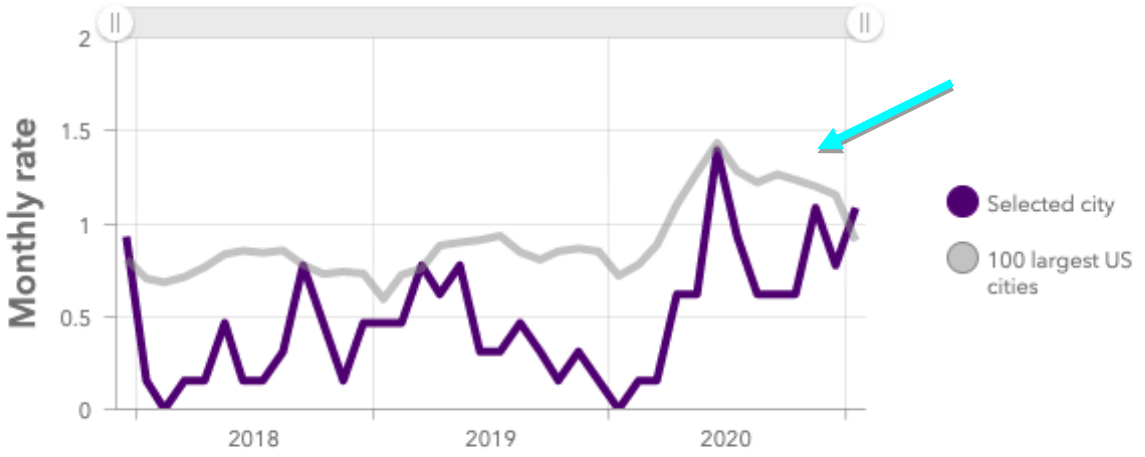
Portland, OR

Gun homicide rate in 2020

7 per 100k

0.5x the 100 cities rate

Gun homicides per 100k population



Through February 2021

Gun Violence 20/20
City Tracker

Please select a city:

Portland, OR

Gun Violence 20/20 uses data from the Gun Violence Archive, collected from news media and other public sources. Although these data are not from official sources, GVA data (particularly for gun homicides) are highly correlated with official statistics when they are aggregated by city and month.

Population denominators are 2019 city-level estimates from the 5-year American Community Survey.

This is a project by RISE Lab at BU to help inform data-driven and community-based responses to bend the curve on city gun violence.

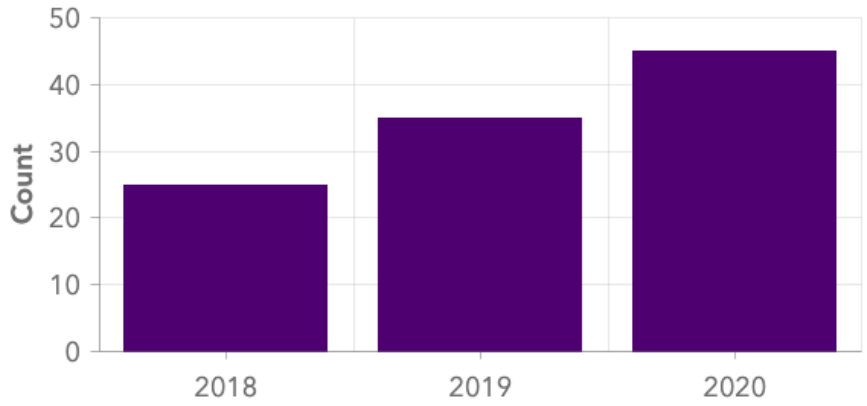
Portland, OR

Gun homicides in 2020

45

▲ 10 (29%) from 2019

Gun homicides by year



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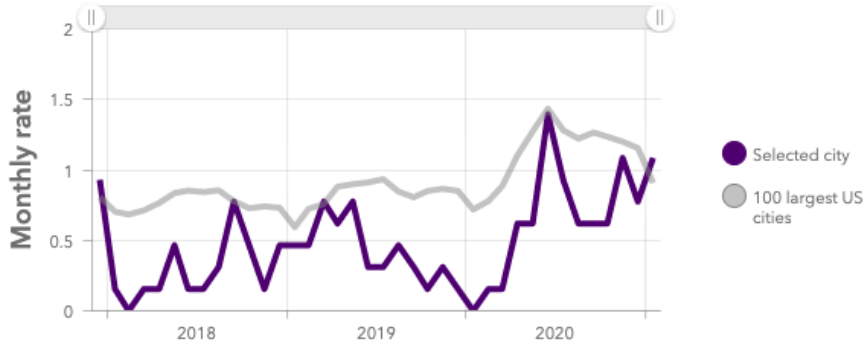
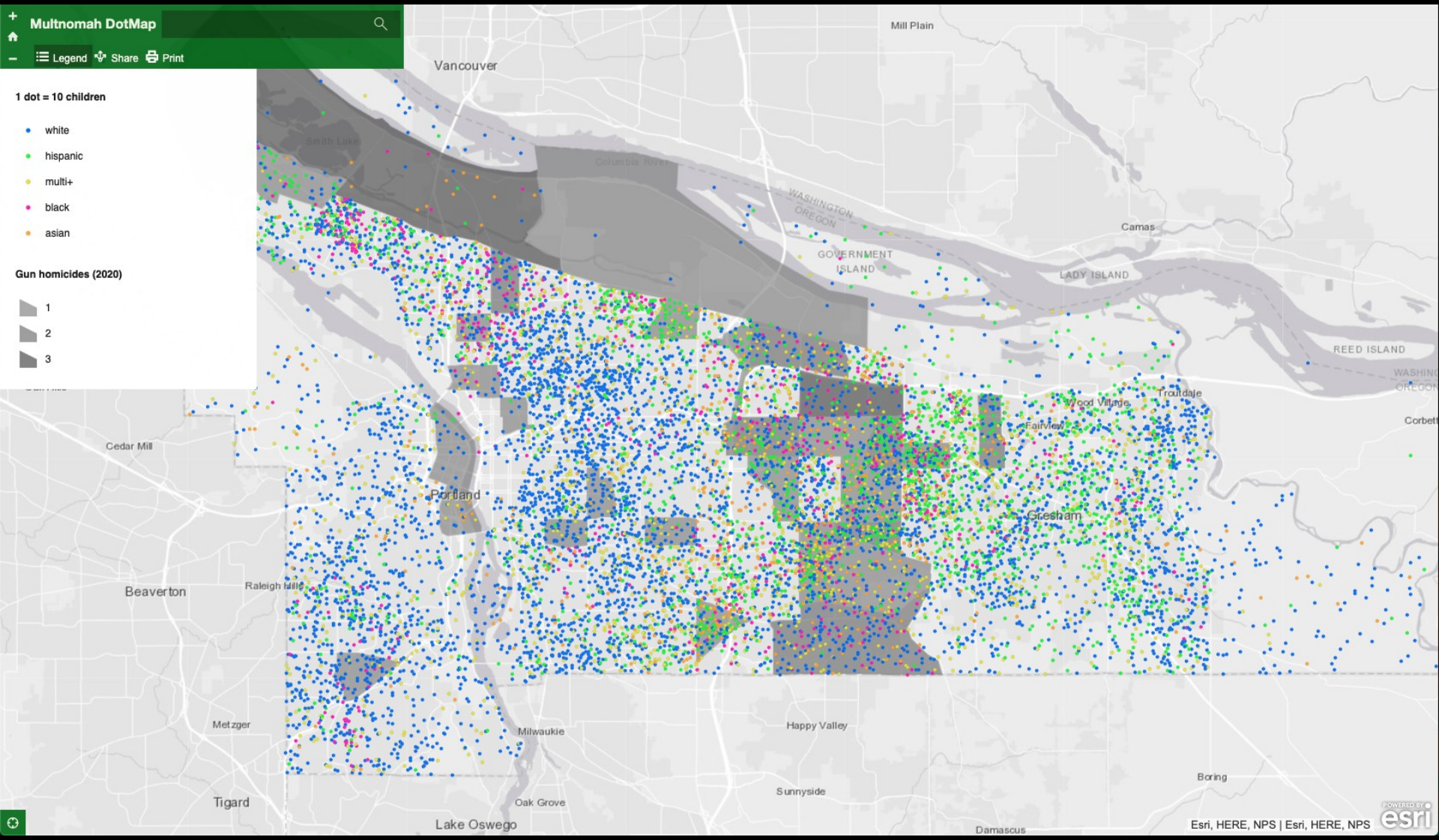
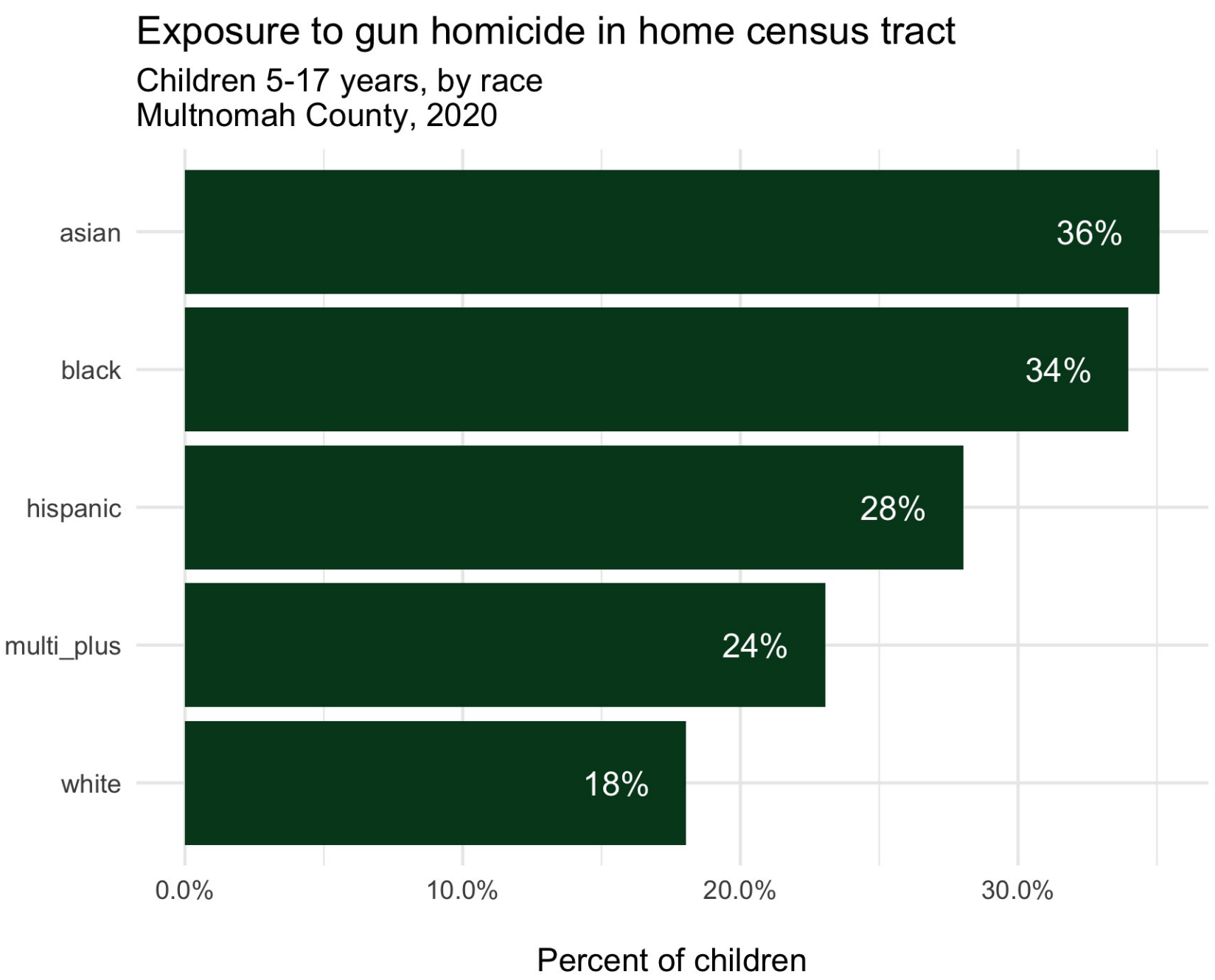


Through February 2021



https://arcg.is/1rv5zb0


Exposure to gun homicide in home census tract
Children 5-17 years, by race
Multnomah County, 2020
asian
black
hispanic
multi_plus
white
36%
34%
28%
24%
18%
0.0%
10.0%
20.0%
30.0%
Percent of children
Data sources: Gun Violence Archive, US Census

COVID-19 Race and Ethnicity Data

	Clackamas	Multnomah	Washington	Yamhill	Total
No. of Cases	13,819	32,663	21,850	3,872	71,843
Hospitalized (%..	7%	10%	6%	3%	7%
Deaths	200	564	221	69	1,037

The demographics reflected here are those defined by and required for collection by the Centers for Disease Control. These categories do not reflect biological difference; they reflect difference in experiences with racism. We include this information to help our communities understand that COVID-19 might impact groups differently based on categories that reflect the inequitable distribution of the risks of being exposed to COVID-19 and the opportunities to access medical care and COVID-19 testing. This information will help us improve our efforts to prevent the further spread of this virus by understanding which communities are most impacted by health inequity.

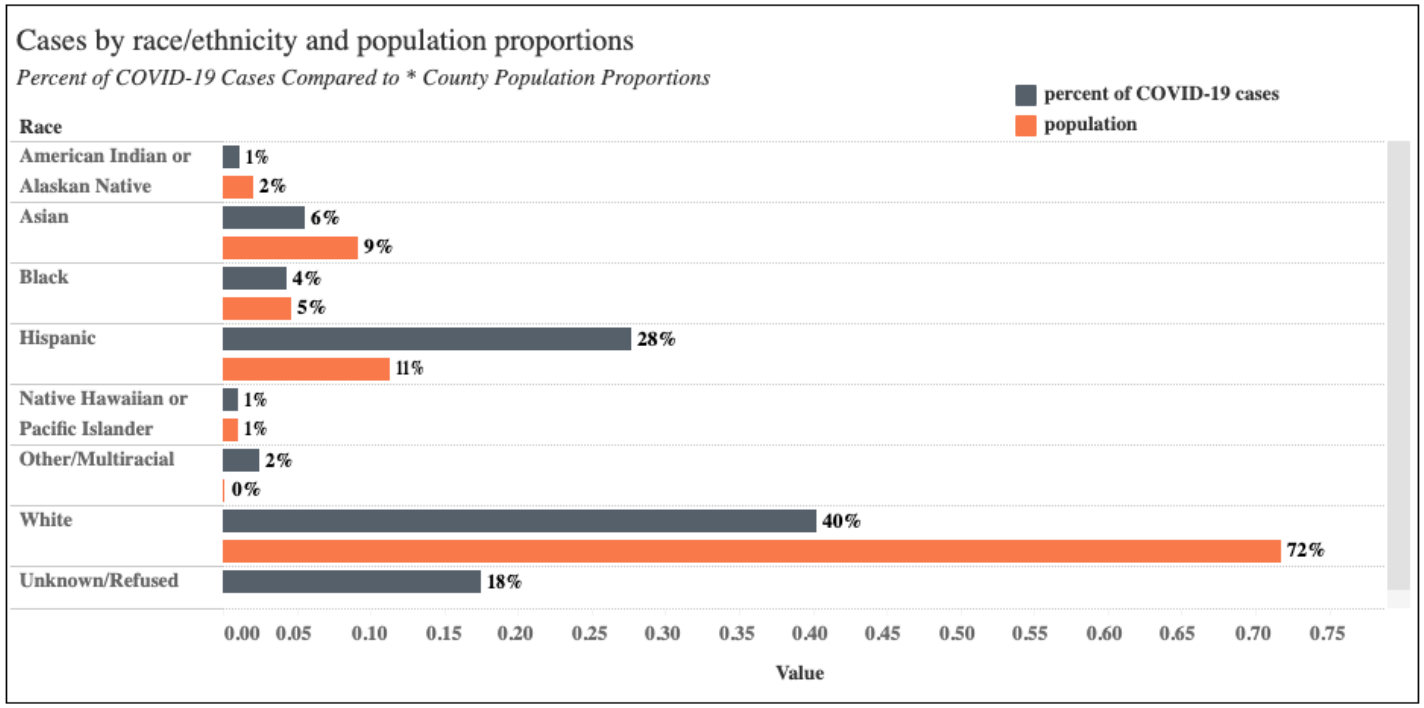
Filter by county (default is all)

(All)

Filter by deaths and hospitalized (only filters top graph)

Cases

Data is updated Monday, Wednesday, and Friday by 10am and includes cases confirmed through the previous day (March 18, 2021).



Tracking gun violence

Dashboards should:

1. Monitor cases in real time
2. Measure racial disparities & other inequities
3. Highlight social determinants
4. Reflect community input
5. Track progress against ambitious, achievable goals

Thank you!

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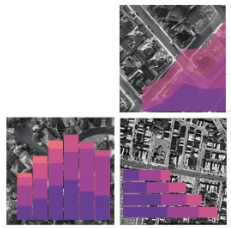
sites.bu.edu/riselab



RISE Lab

Research on Innovations for Safety and Equity