# Roadmap to a Safer Philadelphia: a public health approach to stop everyday "mass shootings"

Raynard Washington, PhD, MPH Chief Epidemiologist October 23, 2019



#### Firearm homicides in the last 20 years:

- 227,711 in the United States
- 5,461 in Philadelphia

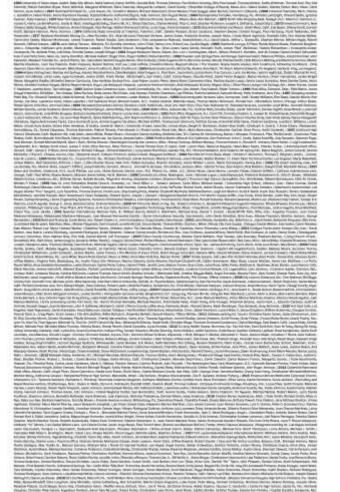
#### So far in 2019, six mass shootings in Philadelphia

The toll: 2 dead, 30 injuries

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54 years, 165 mass shootings, 1,196 victims

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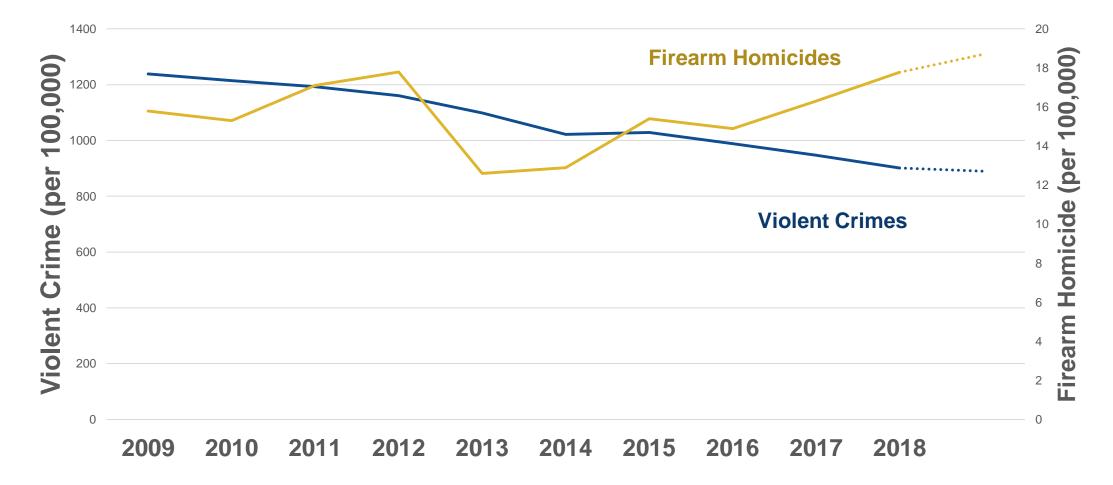


## Homicide rates are declining in most major U.S. cities

City	# of Homicides	% Change	Per 100,000
Baltimore	343	+25	55.8
New Orleans	158	-16	40.4
Detroit	267	-36	39.7
Memphis	200	-28	30.6
Chicago	650	-112	24
Philadelphia	317	+40	20.2
Dallas	166	-5	12.6
Houston	269	-32	11.7
Los Angeles	286	-7	7.2
New York City	290	-45	3.4



# Violent crime is declining, while homicide rate is highest in decade in Philadelphia





#### Mayor Kenney's Call to Action

#### The Philadelphia Inquirer

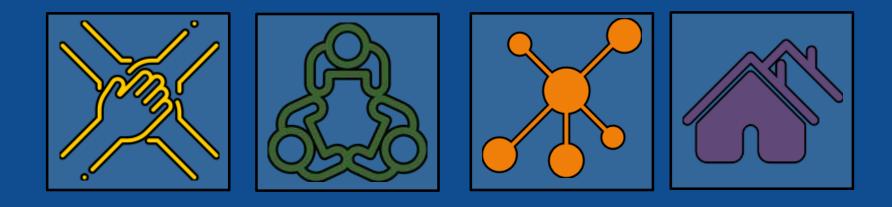
NEWS SPORTS BUSINESS OPINION POLITICS ENTERTAINMENT LIFE FOOD HEALTH REAL ESTATE  $~Q~\equiv~$ 

## Mayor Kenney unveils initiatives to address gun violence

by Chris Palmer, Updated: January 17, 2019





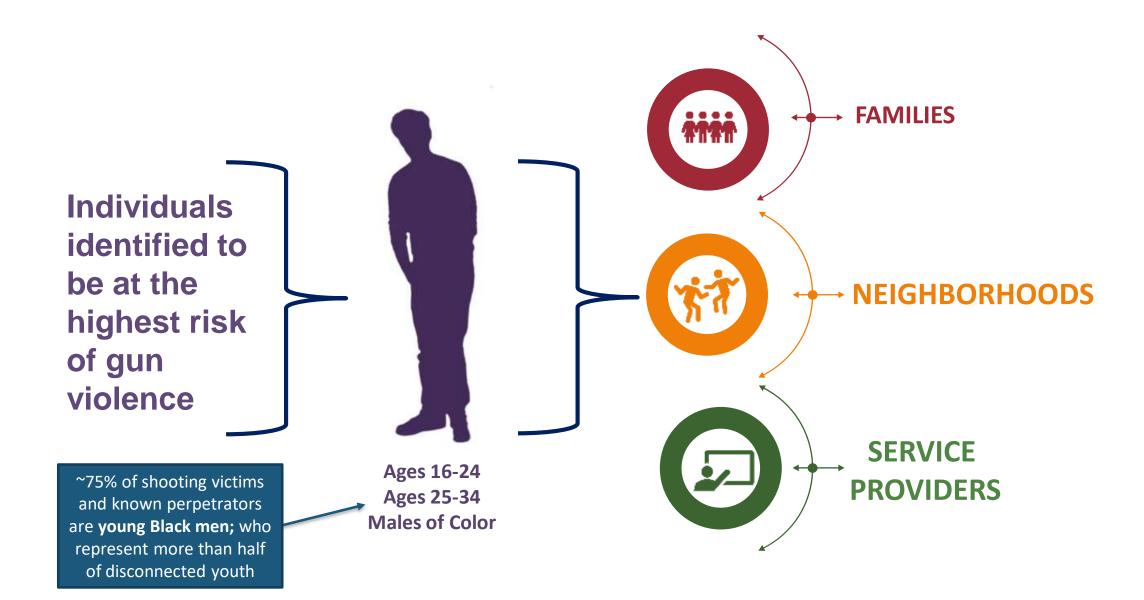


### The Philadelphia Roadmap to Safer Communities

5-year Strategic Plan to Address Gun Violence in Philadelphia



### A Public Health Approach





Every Philadelphian will be safe from gun violence in their communities, with full access to opportunities to create their path to a fulfilling life.

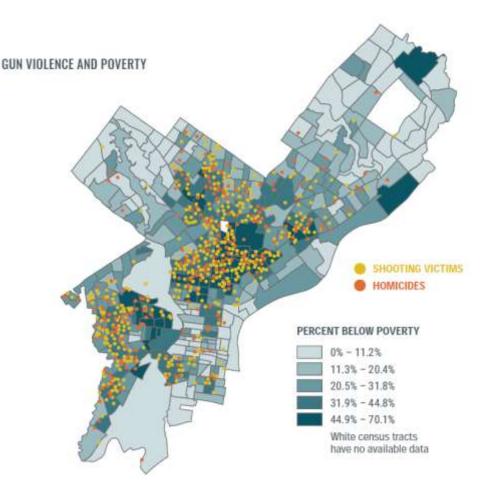


### Further Understanding the Problem



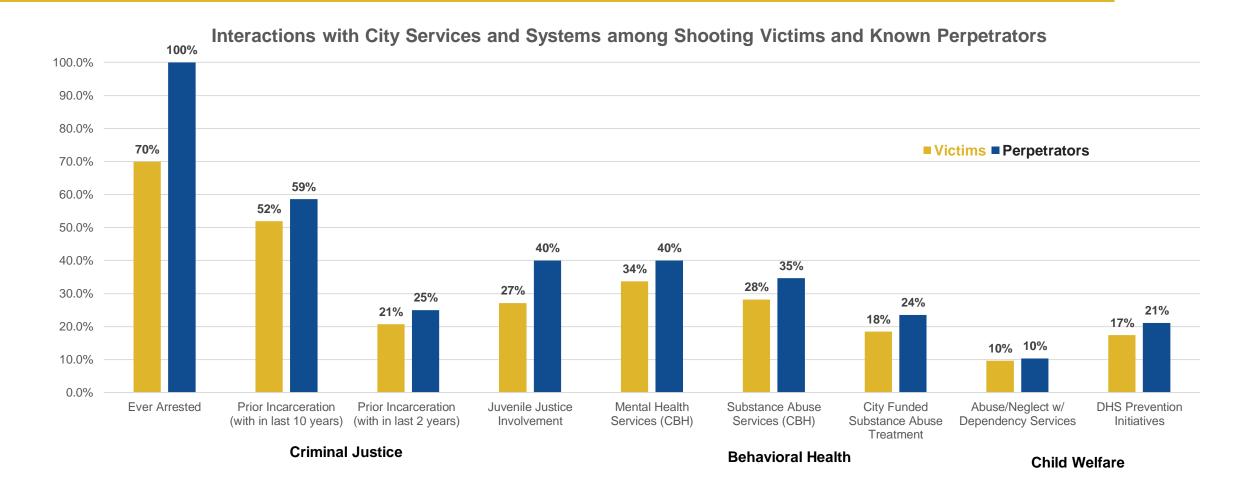
## In addition to the more than 300 fatal shootings, there are more than 1,100 non-fatal shootings each year

Shootings cluster in socioeconomically disadvantaged neighborhoods – highest rates of poverty, low education attainment, unemployment, and blight.



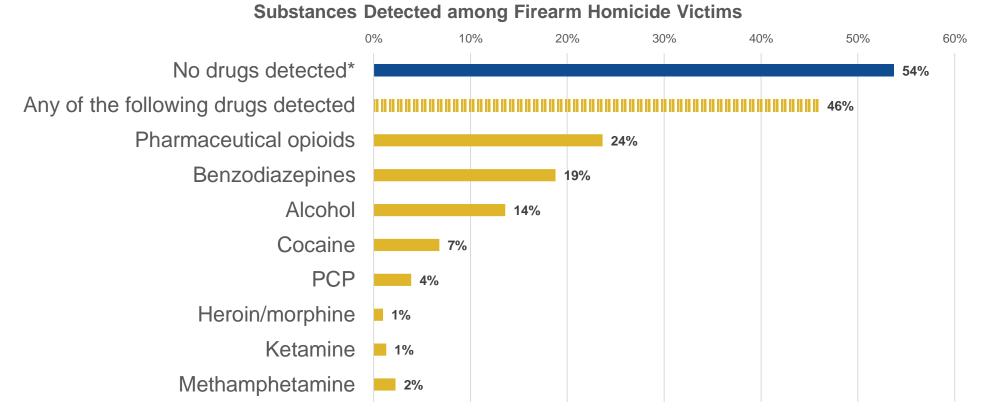


## Individuals involved in gun violence often have complex social, behavioral, economic, and community circumstances





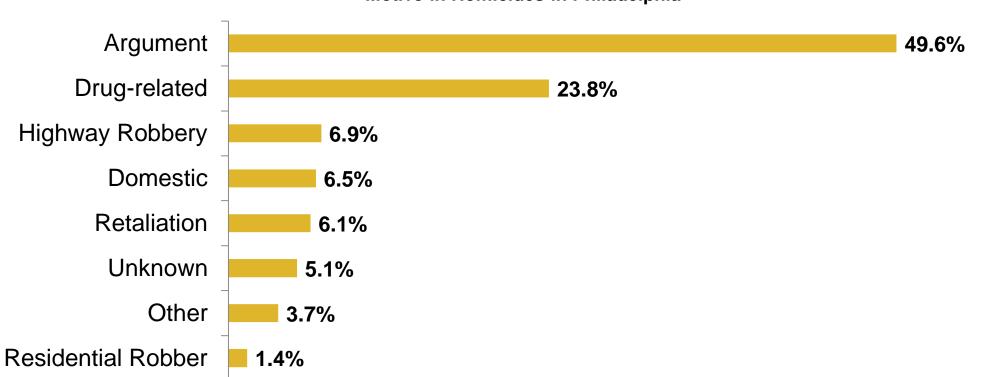
# Almost half of firearm homicide victims used drugs or alcohol prior to death



\*No drugs detected means that the drugs listed above were not detected--other drugs not included in this table may have been detected (e.g. seizure medication, antidepressants, etc)



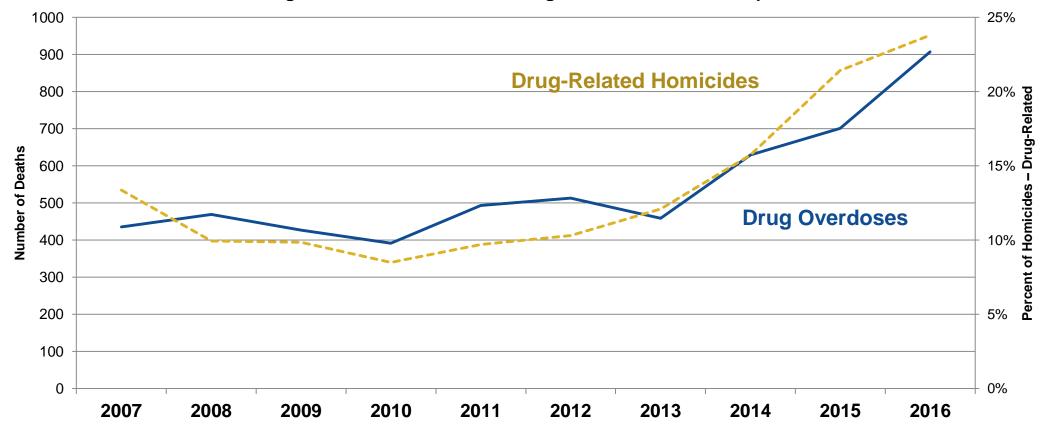
# Nearly half of homicides involve an argument; nearly a quarter are drug-related



Motive in Homicides in Philadelphia



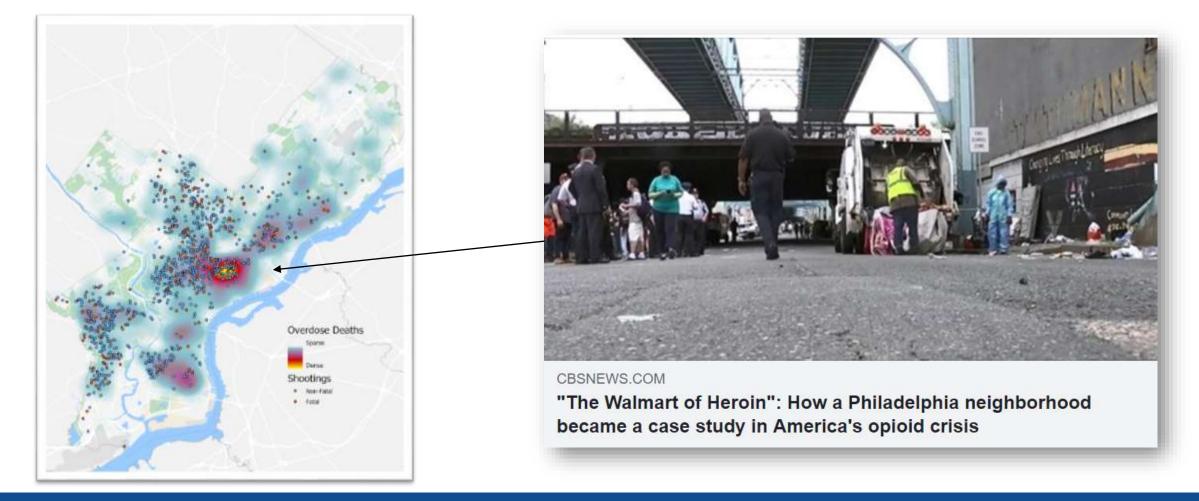
## Recent drug-related homicide trends correspond with fatal drug overdose trends



Drug-Related Homicides and Drug Overdoses in Philadelphia



## Neighborhoods with more fatal overdoses and drug activity also experience more shootings



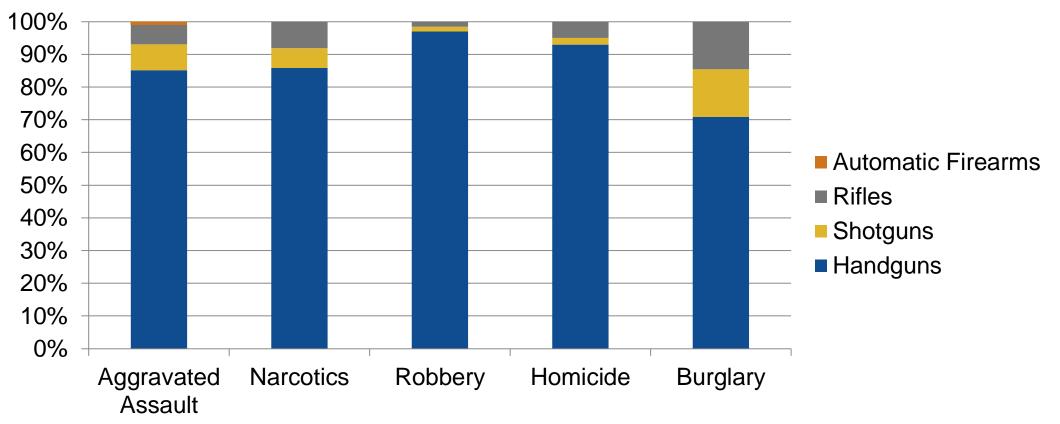


# Beyond the physical and emotional burden, firearm related injuries are very costly

- A firearm homicide is associated with an estimated \$1.42 million in costs due to medical expenses, lost earnings/productivity, property damage, and criminal justice costs. The <u>335</u> homicides in 2017 alone, is an estimated **\$476.6 million of economic burden to** *Philadelphia*.
- On average, a nonfatal firearm-related injury costs \$46,632<sup>i</sup> in lost productivity and medical expenses, including short term rehabilitation and post-admission follow-up. The <u>1,205</u> nonfatal firearm assaults in 2017 alone is estimated to *cost Philadelphia more than* \$102.8 million.
- These costs can be significantly higher when firearm injuries result in long term disability.
- Much of the short- and long- term medical costs are paid for by the government with over 70
  percent of firearm victims in Philadelphia being covered by Medicaid.



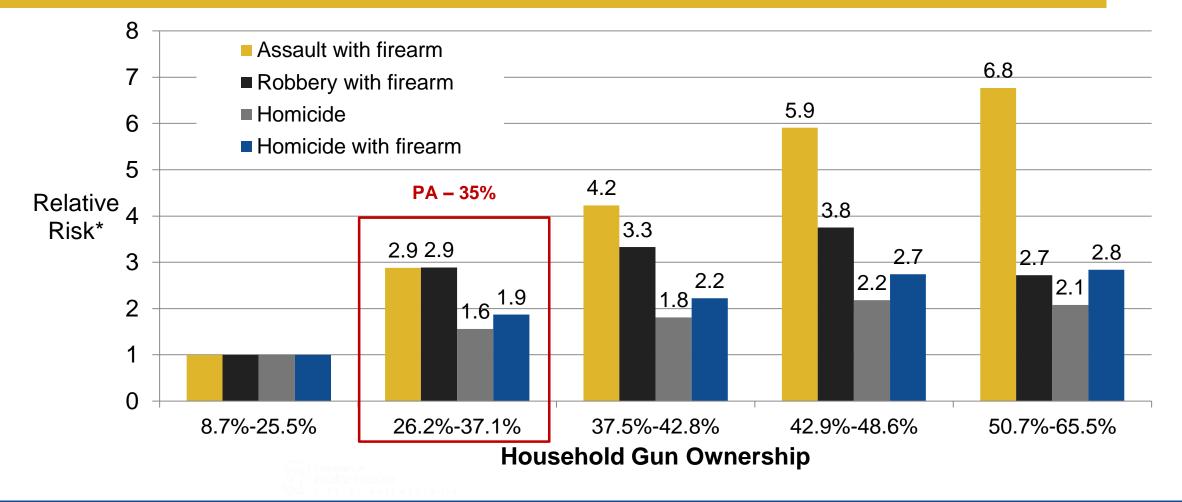
# Of ~3,000 crime guns confiscated each year by police, 90% are handguns



#### Firearm Confiscated in Philadelphia by Crime Type



# States with more gun ownership have more gun injuries; local gun laws are pre-empted by PA state





### Recommendations

Key Recommendations to the Mayor

Use police, health, and other data to better identify the people and places driving the violence in communities and **more effectively target policies, programs and services** to address these issues



Invest in additional analytical capacity and technology to implement "Operation Pinpoint"

Build on the administration's successful criminal justice reforms by improving reentry programs and services



#### **Core Public Health Strategies in PRSC**

#### **Build an Injury Prevention Program to:**

1. Develop a public-facing data dashboard of key violence prevention metrics





### **Core Public Health Strategies in PRSC**

#### Build an Injury Prevention Program to:

- 1. Develop a public-facing data dashboard of key violence prevention metrics
- 2. Produce evidence to inform the overall strategy and advocacy efforts, including data to drive decision-making and impact evaluation of strategic initiatives
- 3. Convene a Firearm Homicide and Injury Review Team
- 4. Embed a public health epidemiologist at Philadelphia Police Department joint intelligence bureau
- 5. Support tactical strategies to identify environment deterrents to safe communities, like nuisance restaurants, vacant lots, other neighborhood blight
- 6. Develop a public health violence prevention media campaign



### First Public Health Campaign

**Rationale:** High risk individuals are not always committed to shooting others. It may be possible to redirect them.

**Objectives:** To reduce shootings by persuading highrisk persons to consider the adverse consequences of shooting and choose alternative ways of addressing conflict. The campaign aims to deliver an effective media message to high risk individuals through public postings and credible messengers.





#### **Overall PSRC Progress**



#### CONNECTED & THRIVING YOUTH, YOUNG ADULTS, & FAMILIES

- Expanded the weekend hours of operation at 12 recreation centers serving Pinpoint areas
- Increased community crisis intervention teams from 7 to 22.
- Additional \$1M allocated for Summer WorkReady
- New transitional jobs program for older youth and young adults impacted by gun violence



#### STRONG COMMUNITY ENGAGEMENT & PARTNERSHIPS

- Awarded over \$700,000 to grassroot community groups to address gun violence
- Increased the number of Town Watch Integrated Services groups



- Weekly tactical group to align City resources with needs in Pinpoint areas
- Hired new staff for key positions
- Board of Health Regulation for the Firearm Homicide and Injury Review Team



- Improving environmental conditions by expanding teams for cleaning, greening, and maintenance of vacant lots and sealing abandoned buildings
- Joint action teams with Licenses & Inspections, Liquor Control Board, Police, and Public Health to close nuisance establishments





### Thank you

## Raynard.Washington@phila.gov © Raynard\_W

