# Characteristics of Violent Deaths among Homeless Persons in Maryland, 2003-2011

2015 Safe States Annual Meeting

**April 30, 2015** 

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Prevention and Health Promotion Administration

### Prevention and Health Promotion Administration MISSION AND VISION

### **MISSION**

 The mission of the Prevention and Health Promotion Administration is to protect, promote and improve the health and well-being of all Marylanders and their families through provision of public health leadership and through community-based public health efforts in partnership with local health departments, providers, community based organizations, and public and private sector agencies, giving special attention to at-risk and vulnerable populations

### **VISION**

 The Prevention and Health Promotion Administration envisions a future in which all Marylanders and their families enjoy optimal health and well-being



### **Learning Objectives**

- 1. Using the Maryland Violent Death Reporting System (MVDRS), identify characteristics of homeless persons who have suffered a violent death including key demographics, manner of death, and weapon and location of injury
- 2. Identify the most common circumstances contributing to violent death among the homeless
- 3. Learn about opportunities for reducing violent deaths within this community

### INTRODUCTION



### Homelessness, Health, and Violence

- In 2013, 610,042 people in the U.S. were homeless on a given night<sup>1</sup>
  - In a 2013 state-wide count in Maryland, 8,205 sheltered and unsheltered homeless individuals were identified<sup>2</sup>
- Homeless persons have higher risks of morbidity and mortality compared to non-homeless persons<sup>3</sup>
  - Physical and behavioral health conditions may develop and/or worsen through exposure to communicable disease, malnutrition, weather exposure, and violence<sup>3</sup>
- Mental health and substance abuse problems are prevalent among homeless persons
  - In Maryland, 23.0% of homeless persons reported chronic substance abuse and 18.3% reported severe mental illness<sup>2</sup>

### Homelessness, Health, and Violence

- Homeless persons are targets for violence and hate crimes, with 109 attacks resulting in 18 deaths recorded nationally in 2013<sup>4</sup>
- Lack of housing, employment, and access to health care pose unique challenges to controlling and mitigating adverse health events experienced by homeless persons<sup>3</sup>

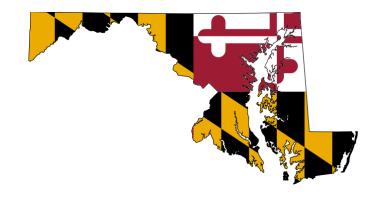


### Maryland Violent Death Reporting System (MVDRS)

- MVDRS is a CDC-funded program that collects information on all violent deaths occurring in Maryland. The system was established in 2002 with data collection beginning in 2003
- Nationally known as the National Violent Death Reporting System (NVDRS)
- Uses the World Health Organization definition of violent death:
   "A death resulting from the intentional use of physical force or power against oneself, another person, or against a group or community"

### **Maryland Violent Death Reporting System (MVDRS)**

- MVDRS collects data for all deaths involving the purposeful use of force against a person or persons that results in their death
  - Homicide
  - Suicide
  - Deaths of Undetermined Intent
  - Unintentional Firearms
  - Legal Intervention (LI)
- Links multiple sources of data
  - Death Certificates
  - Medical Examiner files
  - Police Reports
  - Supplementary Homicide Reports



### **Maryland Violent Death Reporting System (MVDRS)**

### <u>Information we capture:</u>

- Demographics
- Injury and death information
- Victim-suspect relationship
- Weapon information
- Circumstance-rich narratives
  - Arguments, life stressors, mental health/substance abuse problems, etc.
- Toxicology

### **MVDRS Analytic Population Definitions**

- The MVDRS population used in this analysis excludes Maryland residents who died out of state and non-resident deaths occurring in Maryland
- Homelessness is defined as having no fixed address AND living in a shelter, on the street, in a car, or in makeshift quarters in an outdoor setting (National Violent Death Reporting System Coding Manual, July 2014)

Results

### **DEMOGRAPHICS**



# Homeless Violent Death Victims in Maryland\*, 2003-2011 (n=279)

- Out of a total of 14,327 violent deaths occurring 2003-2011
  - 98.1% of victims for which homeless status was known (n=14,057)
  - 279 violent death victims were homeless (2% of all violent deaths)
- Manner of Death
  - 65.2% (n=182) Deaths of Undetermined Intent ('Undetermined')
  - 21.2% (n=59) Homicide/Legal Intervention<sup>†</sup>
  - 13.6% (n=38) Suicide

<sup>\*</sup>Excludes Maryland residents who died out of state and non-resident deaths occurring in Maryland †n<6 for legal intervention deaths.

# Demographic Characteristics of Homeless Violent Death Victims in Maryland\*, 2003-2011 (n=279)

Demographic Characteristic	
Sex	85% Male
Race/Ethnicity	61.3% Non-Hispanic White 34.8% Non-Hispanic Black
Age (years)	4.7% - 15-24 10.8% - 25-34 31.2% - 35-44 39.1% - 45-54 14.2% - 55+
Years of Education	66.3% 9-12 years
Marital Status	~50% Never Married
Ever a member of the Armed Forces? (n=259)	12.0% Yes

<sup>\*</sup>Excludes Maryland residents who died out of state and non-resident deaths occurring in Maryland

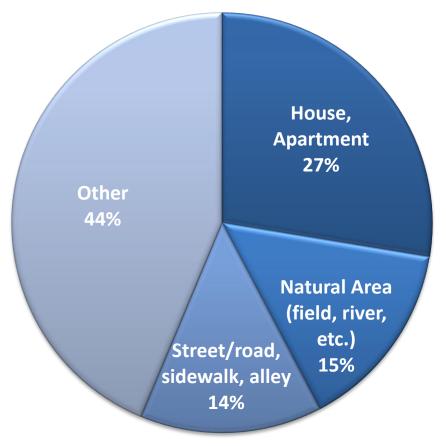


Results

### INJURY INFORMATION

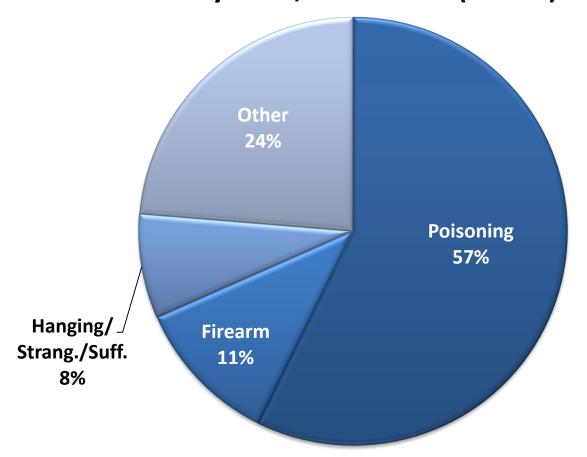


# Top 3 Locations of Injury for Homeless Violent Death Victims in Maryland\*, 2003-2011 (n=279)



<sup>\*</sup>Excludes Maryland residents who died out of state and non-resident deaths occurring in Maryland

# Top 3 Weapons of Injury for Homeless Violent Death Victims in Maryland\*, 2003-2011 (n=279)



\*Excludes Maryland residents who died out of state and non-resident deaths occurring in Maryland

Results

# PRECIPITATING CIRCUMSTANCES AND TOXICOLOGY



# Precipitating Circumstances Related to Homeless Violent Death Victims in Maryland\*, 2003-2011 (n=231)

Precipitating Circumstance (n=231)	% with Circumstance
Mental Health & Substance Abuse	
Substance Abuse Problem	58.9%
Alcohol Problem	36.4%
<b>Current Mental Health Problem</b>	14.3%
History of Mental Health Treatment	14.7%
Current Substance Abuse and/or Mental Health Treatment	6.9%
Life Stressors	
Physical Health Problem	12.1%

<sup>\*</sup>Excludes Maryland residents who died out of state and non-resident deaths occurring in Maryland.

<sup>&</sup>lt;sup>†</sup>Precipitating circumstances were available for 82.9% of all victims (n=231)



# Toxicology Testing and Results, Homeless Violent Death Victims in Maryland\*, 2003-2011 (n=279)

	Tested			Positive
	No.	%	No.	%
Blood Alcohol Concentration (BAC)	270	96.8%	141	52.2%
BAC < 0.08 g/dl			43	30.5%
BAC ≥0.08 g/dl <sup>†</sup>			98	69.5%
Amphetamines	272	97.5%	-	-
Antidepressants	272	97.5%	41	15.1%
Cocaine	272	97.5%	85	31.3%
Opiates	272	97.5%	149	54.8%
Other drug(s)	272	97.5%	123	45.2%

<sup>\*</sup>Excludes Maryland Residents who died out of State and non-resident deaths occurring in Maryland

<sup>&</sup>lt;sup>†</sup>BAC≥ 0.08 g/dL used as the standard for intoxication



Results

# MANNER OF DEATH-SPECIFIC FINDINGS



### Manner of Death-Specific Findings, Homeless Violent Death Victims in Maryland\*, 2003-2011 (n=279)

	Undetermined (n=182)	Homicide/LI (n=59)	Suicide (n=38)
Top Method of Injury	Poisoning (85.7%)	Firearm (37.3%)	Hanging/ Strangulation/ Suffocation (47.3%)
Top 3 Circumstances <sup>†</sup>	74.4% - Substance abuse problem 43.9% - Alcohol problem 14.0% - Physical health problem	36.4% - Argument, abuse, or conflict 21.2% - Precipitated by another crime 18.2% - Drug involvement	35.3% - Substance abuse problem 32.4% - Alcohol problem 35.3% - Current depressed mood
Toxicology	53.1% - Alcohol 73.9% - Opiates 32.8% - Cocaine 17.2% - Anti-depressants	46.6% - Alcohol 22.4% - Opiates 34.5% - Cocaine 6.9% - Anti-depressants	57.1% - Alcohol 8.8% - Opiates 17.7% - Cocaine 17.7% - Anti-depressants

<sup>\*</sup>Excludes Maryland residents who died out of state and non-resident deaths occurring in Maryland.

†Precipitating circumstances were available for 90.1% of undetermined deaths, 55.9% of homicides, and 89.5% of suicides



### **DISCUSSION**



### **Discussion**

- Most deaths were of undetermined intent with poisoning as the weapon of injury (overdose deaths)
- Most victims were males, 35-54 years of age, 60% white non-Hispanic
  - Veterans comprised 12% of victims
- More than half of victims had a known substance abuse and/or alcohol problem
  - Among deaths of undetermined intent, over 70% had a known substance abuse and/or alcohol problem
- Circumstances surrounding homicides only known for about half of all victims
- Nearly a third of suicide victims had a known mental health problem
- A lower percentage of victims were receiving treatment for substance abuse and/or mental health problems than the percentage of victims with a known problem
- Nearly half of all victims tested positive for alcohol, opiates at death

### **Discussion**

### **Considerations:**

- Integration of mental health and substance abuse treatment into primary health care services for homeless persons
- Inclusion of the special needs of homeless persons in initiatives and programs to treat substance abuse, increase access to psychiatric care, and preventing interpersonal violence
- Housing as a stabilizer
- Fighting stigma and prejudice against homeless persons
  - Faces of Homelessness Speaker's Bureau

### **Programs, Initiatives, and Organizations**

#### Local

- "Continuums of Care" federally funded county or regional bodies coordinating homeless services.
  - Baltimore City: "The Journey Home"/Homeless Services (Mayor's Office)
- Healthcare for the Homeless Baltimore

#### State-wide

- Bureau of Homeless Services
- Interagency Council on Homelessness

### National

- Federal Strategic Plan to End Homelessness
- National Health Care for the Homeless
- National Coalition for the Homeless
- National Alliance to End Homelessness

### **Acknowledgements**

- John Braggio, PhD, MPH
- Subha Chandar, MPH
- Ann Liu, PhD
- Clifford Mitchell, MS, MD, MPH

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### Thank You!

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