



Worcester Board of Health Meeting
Meeting Minutes
Meeting Held at 25 Meade St. Room 109
Monday, August 12, 2024
6:30 pm
Minutes Prepared by Desiree Sutton

Welcome and Introductions

Board Members Present: Chair Frances Anthes, Vice Chair Chareese Allen, Gary Rosen, Leopoldo Negrón Cruz, and Micheal Perotto.

Staff Present: Dr. Michael Hirsh Medical Director of Public Health; Dr. Matilde Castiel, Commissioner of HHS; Soloe Dennis, Director of DPH and CMRPHA; Jennifer Nakijoba, Chief of Community Health for DPH; Cherry Tangri, Shared Services Coordinator/ Interim Tobacco Compliance Officer; Emile Somda, Maternal and Child Health Manager.

Guests: Attorney Sean Murray and Sargent Thomas Needham of the Worcester Police Department.

Welcoming A New Board Member

Board of Health Chair Frances Athens welcomed new board member Michael Perotto. Michael Perotto introduced himself, mentioning his previous roles, including serving as a former City Council member and as the Chairman of the Election Commission for five years. He also mentioned his part-time work in health and insurance and expressed his enthusiasm for working with the board.

Review and Approve July 8 Th Meeting Minutes

Michael Perotto made a motion to approve the minutes from July 8, 2024. Chareese Allen seconded the motion. All members voted in favor of approving the minutes as written.

Communicable Disease Update

Dr. Hirsh provided an update on Communicable diseases in Worcester and Worcester County. Dr. Hirsh provided an update on COVID-19 and other local communicable diseases. With regard to COVID there has not been a significant increase in ICU admissions or mortality rates, but there is ongoing transmission among caregivers. Due to staff shortages, institutions have revised their mask policies. Employees are now required to wear masks in common areas and clinical



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settings, though patients and visitors are not yet required to do so. The CDC and the Massachusetts Department of Public Health recommend staying home if sick, notifying a supervisor and leaving if symptoms develop while at work, and using available tests, which are still reliable for detecting COVID-19. The isolation guidelines have been relaxed. Positive cases are no longer required to isolate for five days but must wear masks until they are fever-free for 24 hours without medication and are asymptomatic. Vaccination rates are low, with only 18% receiving the monovalent vaccine in September and 14% receiving the booster in April. A new vaccine targeting Omicron variants is expected in the fall.

With regards for other communicable diseases: There was a recent case of measles, the first in 40 years in Massachusetts, it involved an individual who traveled internationally. Extensive contact tracing has not identified any additional cases. There has been an outbreak of a disease formerly known as monkeypox (now referred to as "mpox") in Africa, but no cases have been reported in the U.S. Communities at risk have been warned to practice safer sexual activities and to recognize symptoms early. Dr. Hirsh also mentioned that the Respiratory Syncytial Virus (RSV) vaccine is recommended annually, especially for those over 75 or over 60 with respiratory or cardiac issues. Dr. Hirsh concluded by emphasizing the importance of continued vigilance against communicable diseases.

Mosquito Borne Diseases

Dr. Hirsh also expressed Concerns have been raised about mosquito-borne viruses due to environmental conditions favoring mosquito proliferation. There is an increase in mosquitoes testing positive for West Nile virus and Eastern Equine Encephalitis (EEE). One horse has contracted EEE, and there have been two human cases of West Nile virus in Middlesex County. Previous reports mentioned two Caribbean-origin mosquito-borne diseases, chikungunya which we have zero cases of and dengue fever of which we have seventy-eight cases. Dr. Hirsh stressed that there has been no human-to-human transmission. The tiger mosquito that carries these two diseases is a daytime mosquito which makes it hard to avoid through dawn and dusk avoidance of outside activities. To avoid being bitten it is advised to wear products with DEET and dress in long pant and shirts.

Tick Borne Illness

Dr. Hirsh advises that there is a new tick-borne illness that leads to people developing an allergy to red meat. As of now they are only on the islands, Marthas Vineyard and Nantucket. Dr. Hirsh mentions the impact of climate change on insect illness.

Tobacco License Hearing: Habibi Smoke Shope, 650 Main Street, Worcester

• Division of Public Health Director Soloe Dennis introduced Officer Sargent Needham who outlined an administrative inspection conducted at Habibi Smoke Shop, located at 650 Main St, by Officer Patrick Harrington and Interim Tobacco Compliance Officer



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Cherry Tangri on August 1, 2024. The inspection was initiated following complaints of illegal sales of flavored tobacco, marijuana, and alcohol, despite the store not having the necessary licenses for such sales.

- During the inspection, illegal products were discovered hidden behind a false wall in a storage area. Items found included flavored tobacco, marijuana, alcohol (specifically Hennessy cognac), non-prescribed medications, and digital scales with marijuana residue. Additionally, it was noted that customers entered the store asking for flavored vapes, which were turned away by the clerk upon realizing the inspection was ongoing.
- Division of Public Health Director Soloe Dennis Introduces Cherry Tangri to provide historical data of compliance violations for the Habibi Smoke Shope. Cherry Tangri mentioned that since the store's opening in July of 2023 the Habibi Smoke Shope had a prior violation on February 1, 2024, for selling cigars to a minor, for which they had paid a fine and undergone a compliance period. The owner also has another store, indicating familiarity with tobacco regulations. The body camera footage from Officer Harrington, capturing the inspection, was played for review.
- Division of Public Health Director Soloe Dennis referenced to the Inventory Packet provided to the Board Members. Chairperson Frances Athens states the inventory package is fifteen pages long. She also noted that there was a total of 49 boxes with five containing illegal substances which are not legal under the license.

Recommendation from the Division is to revoke the Tobacco License for Habibi Smoke Shope.

Chareese Allen made a motion to revoke the Tobacco License for the Habibi Smoke Shope. Gary Rosen seconded the motion. All members voted in favor of revoking the Tobacco License.

Worcester Division of Public Health Maternal Child Health Unit Update

Division of Public Health introduced Jennifer Nakijoba Chief of Community Health, and Emile Somda Manager of Maternal Health.

- <u>Historical Context</u>: The Worcester Division of Public Health as a leading agency for the Central Massachusetts Regional Public Health Alliance has worked through many grants from as early as 2016.
- Successes:
 - o WDPH REACH has trained 26 Doulas and 14 Community Lactation Counselors.
 - Doula Education- Ongoing educational doula campaigns; established a doula directory on the city website.





- Executed the SOR-PEC: State Opioid Response Prevention in Early Childhood Grant. WDPH has built capacity by collaborating with community partners such as: Together For Kids Coalition; Worcester Health Baby Collaborative; Pernet Health Services; No Evil Project; Coalition of Healthy Greater Worcester; Accompany Doula Care; UMass Memorial Medical Center; Family Health Center of Worcester.
- o Held/ Organized the Black Maternal Health Week Celebration to raise awareness and called for action.

Jennifer Nakijoba introduced Emile Somda the Manager of Maternal Health to present on the challenges faced by the Maternal Health division.

• <u>Challenges</u>:

- Despite previous efforts Maternal Child Health indicators and outcomes keep worsening, especially for the Black and Brown communities.
- o Highlight existing inequities for selected maternal and infant health outcomes.
- Availability of local data, accurate and publicly accessible to tract MCH indicators & increase driven decision making.
- o Persistent inequities & not enough focus on Black and Brown Maternal Health.
- o Increase Community engagement and education.
- o Funding for Maternal & Child Health initiatives internal & externally.

• Current Projects:

- o Improve access to local data related to Maternal and Child Health.
- o Build and publish MCH data repository/dashboard on MySidewalk.
- o Improve Maternal Health and Reduce Inequity in Maternal and Infant Health outcomes.
- Form a coalition around Black and Brown Maternal Health that works toward improving Maternal Health and eliminating inequities.
- o Secure new grant funding to enhance MCH initiatives.
- o Broaden and scale source of funding.
- o SOR-PEC: State Opioid R4esponse Prevention in Early Childhood Grant.
- o BSAS funded grant for trauma traini9g, coordination of Father's group and educational social media posts.
- Worcester Welcome Baby Project: Baby passport to resources a comprehensive guide connecting expectant families with young children to critical services and resources.
- Worcester Health Baby Collaborative Safe Baby Project: Distribution of baby cribette to new families to promote safe sleep practices. WDPH Has Cribettes on hand if a family need a safe sleep space.
- o Doula Education: a doula can help lower the risk of cesarean delivery, low birth weight complications, and reduce the chances of depression and anxiety.





 Chile Passenger Safety Training and Education; Car Seat Education: Conduct regular car seat safety education, produce educational post and hold/assist with car seat checkups for the Worcester community.

• Our Ask or Takeaway:

- A focus on maternal and child health is crucial for the well-being of both mothers & their babies.
- Pregnancy related mortality has NOT improved over the past decade in the United States.
- Racial and ethnic disparities persist- Black Women and birthing people are 2.6
 Times MORE likely to die from pregnancy related complications compared to
 non-Hispanic white woman.
- o There is a need to secure sustainable funding to enhance MCH initiatives/projects.

Next Meeting Dates and Topics

September 9 at 6:30

October 21 at 6:30

Future Topics

September: Surgeon General's Designation of Gun Violence as a Public Health Issue, Traffic Violence, particularly pedestrian safety.

October: Racial Equity Training with Casey Burns, Community Health Link Update

Adjournment

Michael Perotto moved to adjourn the meeting. Chareese Allen seconded the motion. All members voted in favor. The meeting adjourned at 8:30 PM.



FIREARM INJURY PREVENTION EFFORTS AT UMASS WEDICAL CENTER

Jonathan Green MD, MSCI
Assistant Professor of Surgery and Pediatrics
UMASS Chan Medical School
Division of Pediatric Surgery and Trauma
September 9, 2024



DISCLOSURES

• I have no financial or professional conflicts of interest

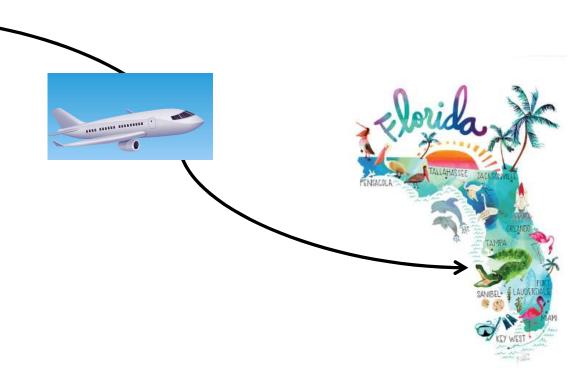
MY PATH TO UMASS PEDIATRIC SURGERY











IF YOU ARE NOT A GATOR, YOU'RE GATOR BAIT!























WELCOME TO THE WOO!

















OKLAHOMA!













GUN VIOLENCE IN THE UNITED STATES

How many people are shot in the U.S.? How many Americans are injured by guns? These are important questions to answer. We need reliable gun violence data in order to accurately understand America's gun violence epidemic.

The Centers for Disease Control (CDC) provides . Using data from the most recent years available (2015-2019), Brady established five-year averages of firearm fatalities.

EVERY YEAR ON AVERAGE

115,551

People are shot

FATALITIES

38,826
People die from gun violence

14,062 murdered

23,437

die from suicide

483 killed unintentionally

521 killed by legal

intervention 324

died but intent was unknown

547* women killed by husband or male dating partner*

GUN INJURIES

76,725 People survive gun

34,566

intentionally shot by someone else

3,554

survive an attempted gun suicide

> 32,759 shot

unintentionally

1,376 shot by legal intervention

4,471 shot but intent was unknown

Children and teens (age 1-17) are shot

FATALITIES

1,663 Kids & teens die from gun violence

864

murdered

662 die from

gun suicide

89 killed unintentionally

10 killed by legal intervention

38 die but intent was unknown

GUN INJURIES

Children & teens survive gunshot

injuries 2,788

intentionally shot by someone else

166

survive an attempted gun suicide

2,893

shot unintentionally

101 shot by legal intervention

380 shot but intent was unknown



^{*}This number is a five-year average derived from Violence Policy Center's "When Men Murder Women" analysis of FBI homicide data, 2014-18 (the five most recent years available for this).



EVERY DAY ON AVERAGE

316

People are shot

FATALITIES

106
People die from gun violence

39 murdered

64

die from suicide

1 killed unintention<u>ally</u>

1 killed by legal

intervention

died but intent was unknown

GUN INJURIES

210

People survive gun injuries

95

intentionally shot by someone else

10

survive an attempted gun suicide

90 shot unintentionally

shot by legal intervention

shot but intent was unknown

22

Children and teens (age 1-17) are shot

FATALITIES

Kids & teens die from gun violence

2

murdered

GUN INJURIES

17

Children & teens survive gunshot injuries

8

intentionally shot by someone else

2

children and teens either die from suicide or survive a suicide attempt.

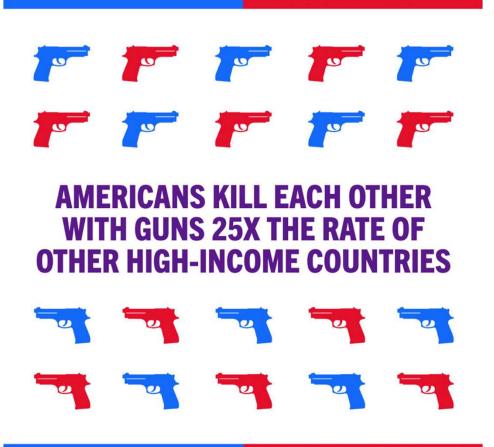
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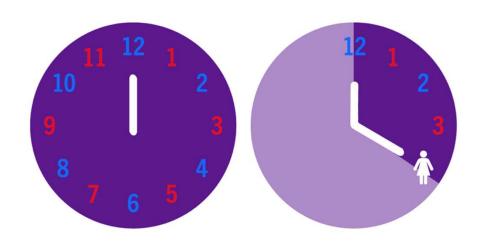
children and teens are unintentionally shot in instances of family fire — a shooting involving an improperly stored or misused gun found in the home, resulting in injury or death.

While Brady historically used CDC data to establish averages for gun injuries as well, recent findings show there are more accurate sources. Due to funding restrictions and other constraints, the sample size utilized by the CDC is so small that its estimate of firearm injuries ranges significantly. Data provided by Healthcare Cost and Utilization Project's HCUPnet, and collected from emergency departments and databases, gives a more comprehensive picture of gun injuries in the U.S. The numbers below represent a three-year average of the most recent HCUPnet data available (2013, '14, and '16). It is important to note that data reported for children and teens contains data only for 1-17 year-olds.









EVERY 16 HOURS

A WOMAN IS SHOT DEAD BY HER CURRENT OR FORMER PARTNER



MY CONNECTION WITH FIREARM SAFETY





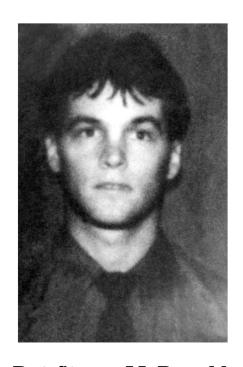


























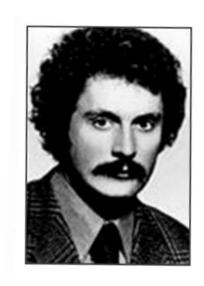




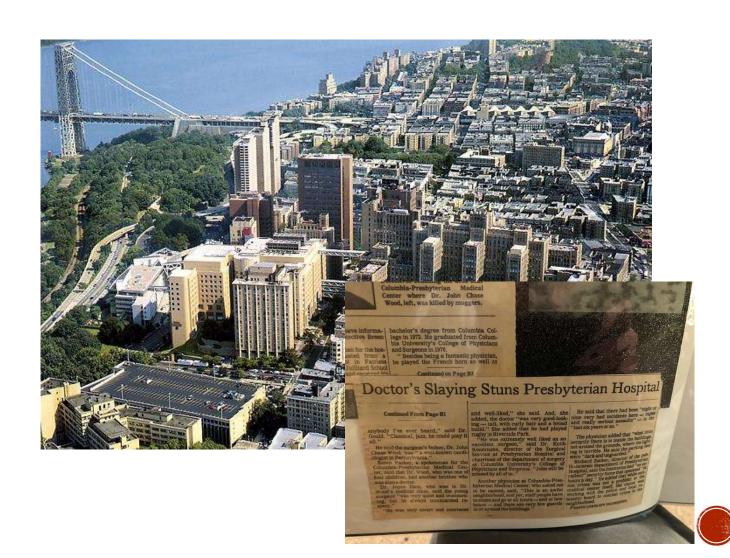
Dr. Michael Hirsh FACS, FAAP





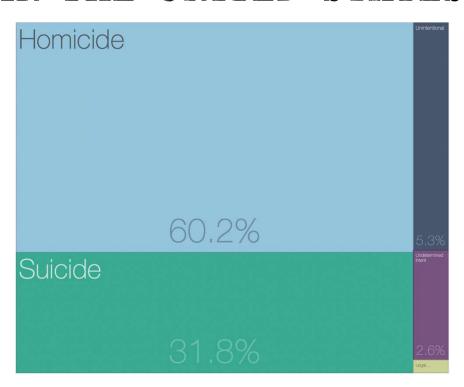


Dr. John Chase Wood II

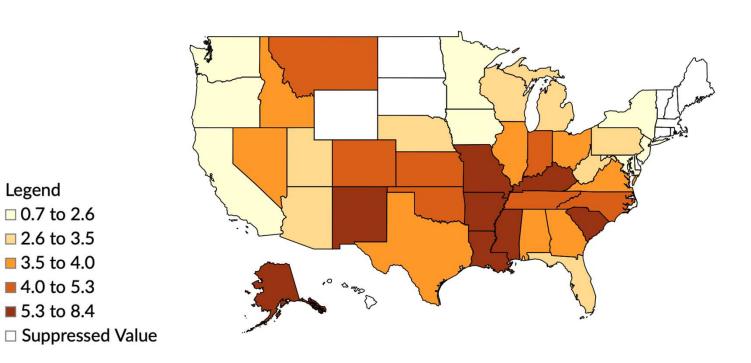


NATIONAL PEDIATRIC FIREARM DATA 2020

2020 PEDIATRIC FIREARM FATAL INJURIES IN THE UNITED STATES



2020 PEDIATRIC FIREARM FATALITIES BY STATE

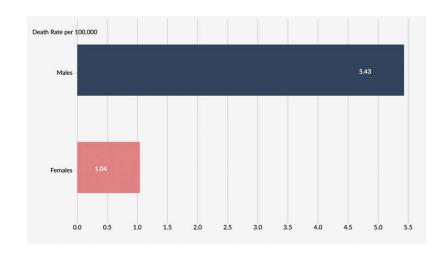


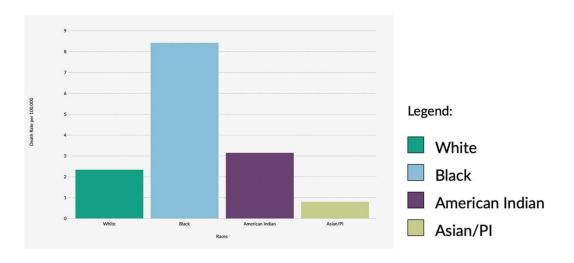
Legend

□ 0.7 to 2.6 ■ 2.6 to 3.5 ■ 3.5 to 4.0

■ 4.0 to 5.3 ■ 5.3 to 8.4

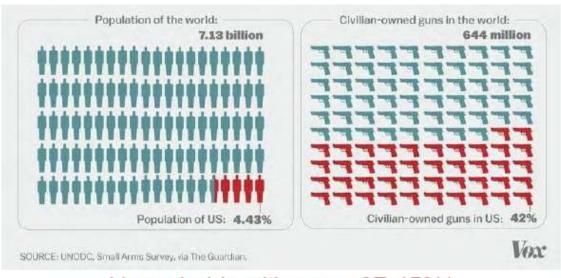
2020 PEDIATRIC FIREARM FATALITIES BY RACE AND GENDER







HOW CAN WE PREVENT/REDUCE FIREARM INJURIES IN CHILDREN?



Households with guns: 37-45%*

Individuals owning guns: 27-34%



THE ABC'S OF INJURY PREVENTION

- **A** = **A**nalyze the data
- **B** = **B**uild a Coalition
- **C** = **C**ommunicate the problem
- **D** = **D**evelop the interventions
- **E** = **E**valuate the program



DR. BARBARA BARLOW



Safe Children =

Safe Activities

+

Safe Environments

+

Safety Education

+

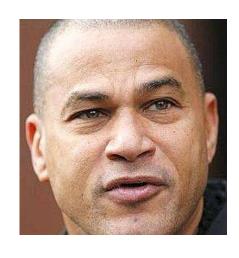
Positive Role Models

+

Community Involvement



GUN BUYBACKS







MICHAEL P. HIRSH, MD, CO-FOUNDER OF THE ALLEGHENY COUNTY GOODS FOR GUNS PROGRAM, 1994

FOUNDER OF THE WORCESTER GOODS FOR GUNS PROGRAM, 2002



MATTHEW MASIELLO, MD, MPH, CO-FOUNDER OF THE ALLEGHENY COUNTY GOODS FOR GUNS PROGRAM, 1994



WORCESTER GOODS FOR GUNS BUYBACK







Safe Storage Options

\$4-\$30



gun safe \$100-\$2000



lock box



Photo credit: University of Michigan Injury Center



Violence Prevention Initiative

OH The Children's Hospital of Philadelphia



Worcester County, MA Year`	Long Guns	Short Guns	Semi-Auto Long/Short	Replica Guns	Total Guns	Total Cost	\$\$/Gun
2002	67	111	72	0	250	\$12,625	\$50.50
2003	37	116	91	0	244	\$13,550	\$55.53
2004	71	135	99	0	305	\$15,950	\$52.30
2005	43	77	86	0	206	\$11,375	\$55.22
2006	64	77	130	0	271	\$15,200	\$56.09
2007	63	80	74	0	217	\$11,125	\$51.27
2008	27	49	51	0	127	\$6,950	\$54.72
2009	72	93	76	0	241	\$12,150	\$50.41
2010	61	69	65	0	195	\$9,850	\$50.51
2011	48	40	25	0	113	\$5,075	\$44.91
2012	20	50	72	0	142	\$8,400	\$59.15
2013	26	16	43	0	85	\$4,675	\$55.00
2014	4	61	45	0	110	\$6,525	\$59.32
2015	116	122	51	51	340	\$14,100	\$41.47
2016	79	102	46	41	268	\$11,550	\$43.10
2017	96	71	43	51	261	\$10,450	\$40.04
2018	61	21	40	28	150	\$6,275	\$41.83
2019	48	32	35	48	163	\$6,625	\$40.64
2020	8	7	9	2	26	\$1,275	\$49.04
2021	48	28	17	22	115	\$3,950	\$36.70
2022	77	24	41	75	217	\$100.31	\$65.78
2023	20	22	31	7	80	\$8,025	\$100.31

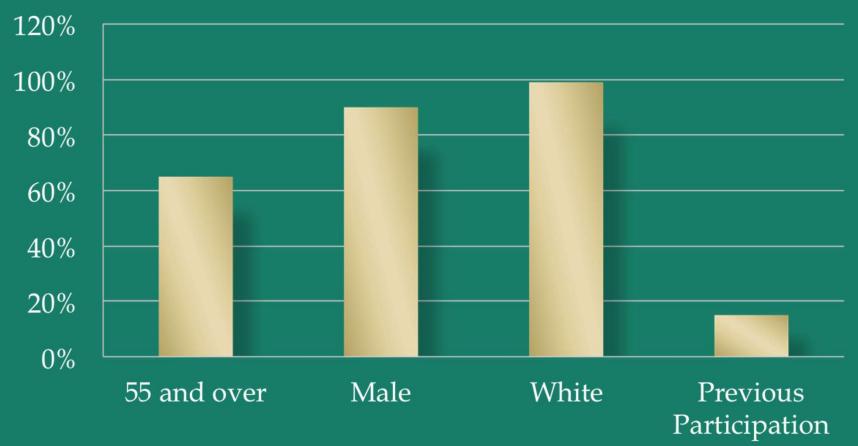
Journal of Trauma and Acute Care Surgery

Are "goods for guns" good for the community? An update of a community gun buyback program

Green, Jonathan MD; Damle, Rachelle N. MD; Kasper, Rebecca E. MPH; Violano, Pina PhD; Manno, Mariann MD; Nazarey, Pradeep P. MD; Aidlen, Jeremy T. MD; Hirsh, Michael P. MD









GUN BUYBACK PARTICIPATION AND INFLUENCE ON THE COMMUNITY

- 54.2% of survey respondents turned in their firearms for safety reasons
- 86.9% felt the G4G program encouraged neighborhood awareness about firearm safety
- 42.5% felt their homes were now safer

FIREARM VIOLENCE, ACCESSIBILITY TO CHILDREN AND MENTAL ILLNESS

- 22% knew of someone who was a victim of firearm violence
- •83% of participants knew someone who possessed a gun in their home/vehicle
- 62% reported guns remaining in their homes
 - •21% of respondents with remaining firearms stated that children could potentially access

COMMON CRITICISMS OF GUN BUYBACKS

- They do not reduce crime
- They do not fetch guns from criminals or gang members
- They are not cost-effective
- They do not retrieve the weapons of interpersonal destruction
- They challenge 2nd Amendment rights

WHY HAS THERE BEEN SUCCESS IN WORCESTER?

Former WPD Chief Gemme Suggests a Multi-Facet Approach to Gun Violence

- 1) Treat all gun incidents with the same resources as a homicide would engender
- 2) Technology innovation-"ShotSpotter" to identify shooting incidents
- 3) Use discretionary powers of his office to be highly selective in the allotment of gun owner permits
- 4) Community Police/Gang Task Force efforts
- 5) Work with DA Early and Judges to impose heavy sentences on gun brandishers
- 6) Support the gun buyback
- 7) Encourage physicians/med students to ask about the status of gun ownership/storage/access in the home





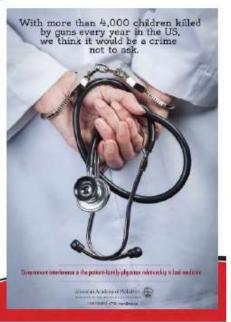




THE PHYSICIAN'S ROLE IN PREVENTING FIREARM INJURIES

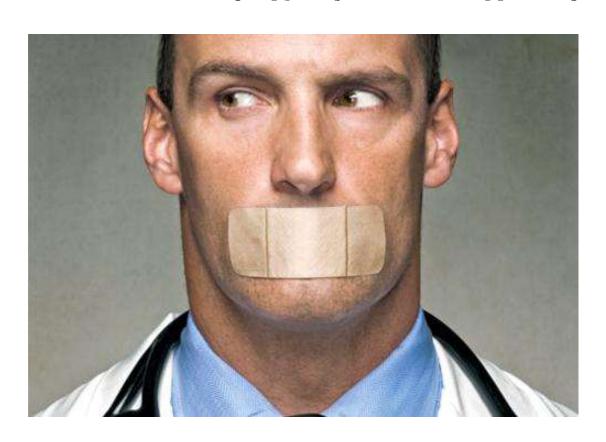
Professional Groups & Parents Agree

- AAP, EAST, ACP, and others recommend counseling parents about risks and benefits of keeping firearms in the home
- Majority of gun-owning parents feel this counseling is appropriate





UNFORTUNATELY THIS WASN'T ALWAYS THE CASE







SAFE (Scrubs Addressing Firearm Epidemic)
UMASS Medical School Chapter

GUNSENSE TOOLKIT

- Trigger Lock/Gunsafe
- · Gun Buyback
- Gun Safety Training
- Local Police Department Pickup Service
- Other Storage Initiatives
- Quick Referrals for the Depressed or Angry Patient

EDUCATE ABOUT THE DANGERS OF FIREARMS



SUGGESTIONS TO REDUCE PEDIATRIC FIREARM INJURIES

- Remove unnecessary firearms from homes
- Safely store firearms and keep them away from children/teens
- Create community ties with physicians, local law enforcement and local government to encourage firearm safety and prevent these events
- Empower and educate providers to speak with families about firearm safety
- Provide quick access to referrals when mental illness is identified
- Educate the next generation of physicians to promote firearm safety and awareness



QUESTIONS?

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Central Massachusetts Pediatric Gun Violence Prevention Project

Christopher Zaro, BA
M.D. Candidate in the Class of 2025, UMass Medical School
September 9th, 2024



Disclosures

I have no disclosures to acknowledge at this time

Personal Background

- Studying history and medicine at Williams
 College in Williamstown, MA
- Shadowed Dr. Judy Orton at Green Mountain Pediatrics in Bennington, VT





Always asked three questions:

- •Are there guns in your home?
- •Are they locked?
- •Is the ammunition kept separate?

Survey of Pediatricians

- Compare their rates of screening for firearms in the home compared to:
 - Sports Safety
 - Car Safety
 - Swim Safety
- Ask about their role in firearm screening

Survey of Pediatricians

- Significantly more likely to screen for sports safety and car safety compared to firearm safety
- Significantly more likely to have received formal training for sports safety compared to car safety
- 90% believe it is the job of a pediatrician to screen for firearms
- 2/3 felt comfortable distributing firearm locks

Pediatrician Focus Groups

- 10 pediatricians from academic and community practices
- Most were never taught to screen
- Many stopped when few patients answered positively
- Two groups independently:
 more likely to screen if they had an intervention to offer

Cable Lock and Poster Distribution

- Five pediatric offices across Worcester County
- Locks received by Worcester Police Department and purchased through AAP CATCH grant
- Posters created via American Academy of Pediatrics



Keep the "safe" in firearm safety

Hiding a gun is not enough! Kids are curious, and studies show they usually know where a family keeps a gun.

Gun safes can lower the risk a curious child will be hurt:



Safe or lockbox for handguns



Locked gun safe for rifles



Gun trigger locksinexpensive and effective





Mantenga las armas de fuego seguras

¡Ocultar un arma no es suficiente! Los niños son curiosos y los estudios demuestran que generalmente saben dónde una familia guarda un arma.

> Las cajas fuertes para armas pueden reducir el riesgo de que un niño curioso resulte herido:



Caja fuerte o caja de seguridad para armas cortas



Caja fuerte de seguridad para rifles



Candados para gatillos de armas-económicos y efectivos



Caja fuerte para municiones









Ask your pediatrician about firearm safety and free trigger locks today!

Preguntele hoy a su pediatra acerca de la prevención con armas de fuego y los seguros para gatillos gratuitos! Pergunte hoje ao seu pediatra sobre seguranca de armas de fogo e travas de gatilho gratuitas!





Cable Lock Distribution

In three months, we distributed over 25 locks

Follow up with 11 pediatricians:

9 reported patients were receptive

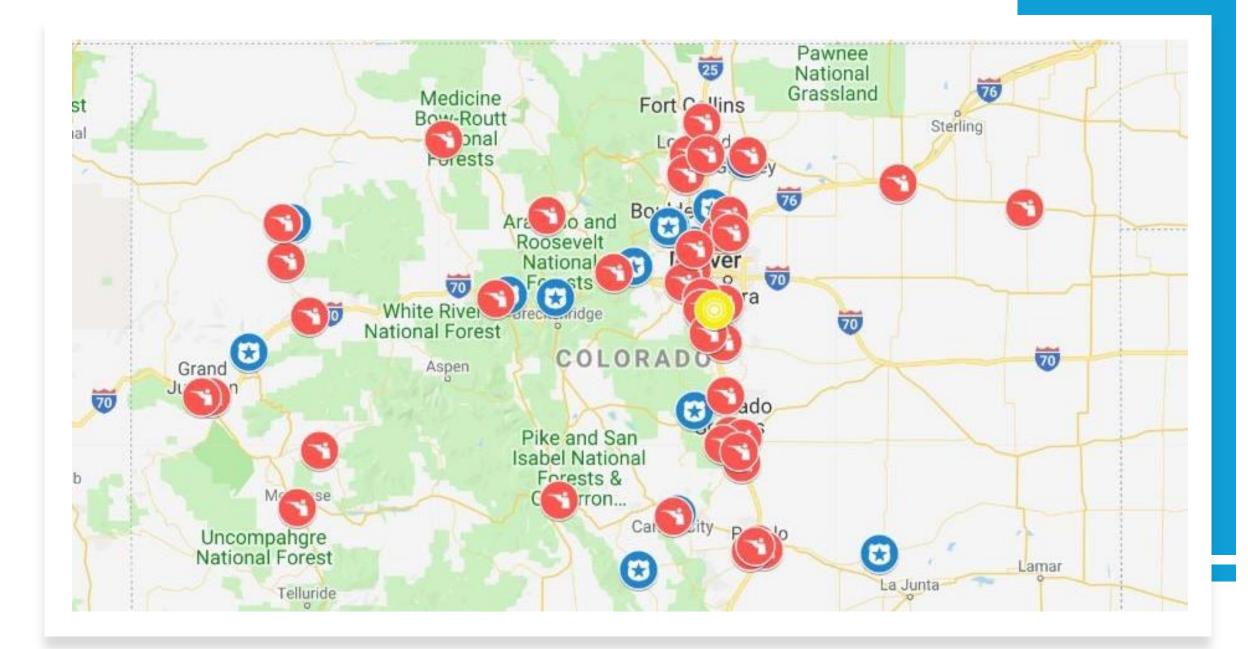
Increased rates of screening with both the locks and posters

Patients started asking about firearm safety

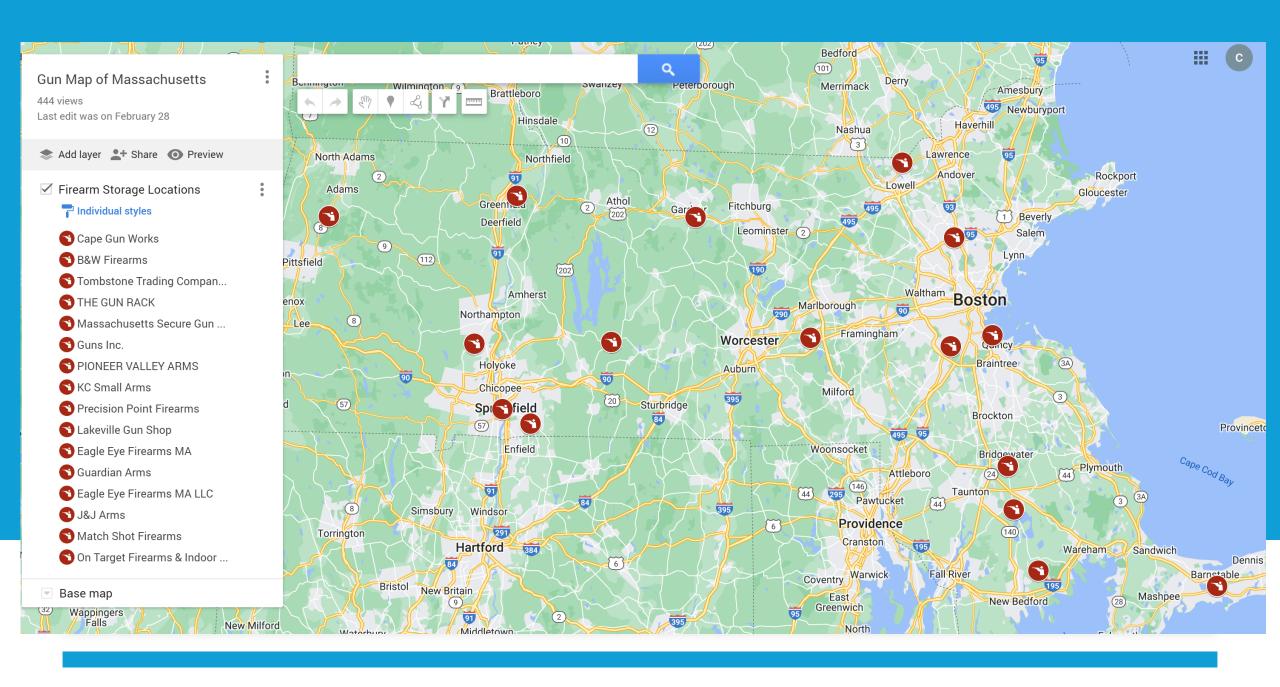


Statewide Firearm Safe Storage Map

- List of places to legally store a firearm outside the home temporarily
 - Reasons to do so include small children visiting, mental health crisis at home, concern for domestic violence
- Created for acute care and clinical care settings







Next Steps

- Cable Lock Distribution
 - Continue to spread existing locks
 - Follow up data
 - Create institutional incentives to continue the project
- Firearm Storage Map
 - Find statewide entity to assume ownership and maintain the project
 - Requires regular updates to maintain accuracy
 - Increase awareness and access

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