Firearm Disqualifying Behaviors, Individual and Public Health

Informing public policy with medical and public health evidence

Outline

- Physicians are primary stakeholders
- Impossible to predict violence
- Known risk factors for violence: stratify risk
- Prevent violence/improve outcomes by restricting firearm access among a persons at high risk

Emergency physicians are primary stakeholders





- Create a confidential national firearm injury research registry while encouraging states to establish a uniform approach to tracking and recording firearm related injuries;
- Promote access to effective, affordable, and sustainable mental health services;
- Protect the duty of physicians and encourage health care provider discussions with patients on firearm safety;
- · Promote the development of technology that increases firearm safety;
- Support universal background checks for firearm transactions;
- Require the enforcement of existing laws and support new legislation that prevents high risk and prohibited individuals from obtaining firearms by any means;

RESOLUTION: 21(14)

SUBMITTED BY: Washington Chapter

California Chapter

SUBJECT: Emergency Department Mental Health Information Exchange

PURPOSE: Support the development of state integrated care management programs and create a task force to further the collaboration of stakeholders in devising integrated care management programs aimed at identifying patients at the highest risk for gun violence and reducing their access to firearms.

FISCAL IMPACT: Budgeted staff resources and member travel for Hill visits to advocate for federal funding and attendance at health information exchange (HIE) meetings by key stakeholders such as ONC, CDC, SAMSHA, and others. Funding for a task force is dependent on whether in-person meetings would be required. Costs could range from \$5,000 - \$15,000 depending on the scope of the task force.

WHEREAS, Emergency Departments (ED) are becoming the principal site for the evaluation and disposition of patients with mental health issues because of evolving federal and state regulations and laws despite concurrent declines in funding and outpatient and inpatient resources; and

WHEREAS, Some patients with mental health conditions that are detained or boarding in EDs may be and should be disqualified from acquiring and possessing firearms under the 1993 Federal Brady Law, and as evidenced by multiple recent tragic events of gun violence involving patients with mental health conditions *(Aurora, CO and Seattle Pacific University); and

WHEREAS, The mental health records of these patients often originate from or are updated in EDs, but are not uniformly and reliably available to appropriate law enforcement agencies despite current HIPAA Privacy Rule guidance that permits such disclosure *(HHS 2013 Letter); and

WHEREAS, Individual states have successfully implemented and used state-wide Health Information Exchange (HIE) programs (such as EDIE in Washington State) for identifying and reducing opioid-related deaths, and improving ED resource utilization; and

WHEREAS, HIE programs have the potential and capability to share mental health records amongst EDs and appropriate law enforcement agencies; therefore be it

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ED Accountabilities

Report of man with gun places school, bank under lockdown

Police resolved situation quickly, no injuries or threats, man taken to hospital

http://www.benningtonbanner.com/localnews/ci_26876680/report-man-gun-places-school-bank-under-lockdown

ED - high risk patients

Firearms have destabilizing clinical effect

Physicians intervene to prevent bad outcomes

Essential to maintain firearm restrictions as part of treatment

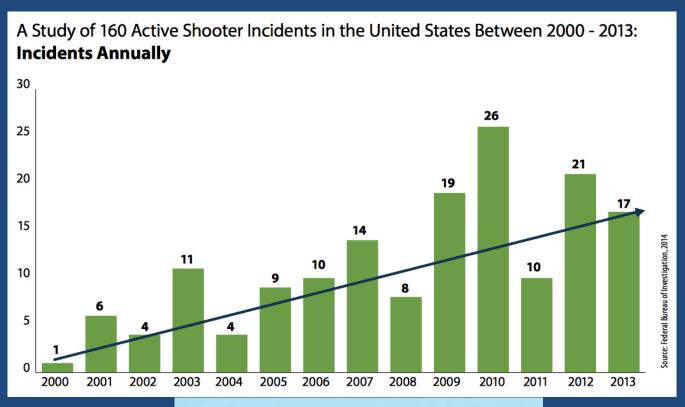
VT ED Reality #1

- Patient dangerous to others admitted involuntarily
- Treated and released from hospital
- Continued access to firearm
- Completes interpersonal violence with same or new firearm
- Bad outcome

A Study of Active Shooter Incidents in the United States Between 2000 and 2013

Unclassified

September 16, 2013 Washington Navy Yard, Washington, D.C.



U.S. Department of JusticeFederal Bureau of Investigation

VT ED Reality #2

- Patient dangerous to self admitted involuntarily
- Family sequesters firearm
- Treated and released from hospital
- Purchases new firearm
- Completes suicide with new firearm
- Bad outcome

VT ED Reality #3

- Dangerous patient committed in ED
- Victimizes and threatens ED staff
- Hospitalized involuntarily, treated and released
- Obtained handgun and returned to ED; fired gun prematurely
- No one injured, ED lockdown, patient disarmed by Bennington police

What We Know About Risk

- There are known risk factors for violent behavior (>100)
- More risk factors → higher risk
- Risk stratification not "prediction"
- When we take appropriate measures to mitigate risk
 - Prevent violence
 - Improve health outcomes

Risk Factor #1: Prior Criminal History

- Previous violent conduct strongest risk factor for future violent conduct
- Individuals with history of arrest 4-5x increased risk of re-arrest
 - Increased number of arrests increased risk of re-arrest

Risk Factor #1: Prior Criminal History

- 1983: 70% re-arrest within 3 years
- 1994: 67.5% re-arrest; 25.4% return to prison
- 2010: 4.5% firearm purchasers with history of prior nonviolent misdemeanor subsequently convicted of firearm-disqualifying crime

Risk Factor #2: Alcohol

- Felony conviction for 3 DUI
- 1992: Individuals with multiple DUI > 300% risk of arrest for other misdemeanor and felony crimes than individuals with a single DUI.
- Multiple studies: strong association between alcohol abuse and risk of self-directed and interpersonal violence
 - Intimate partner homicide

Risk Factor #2: Alcohol

 2011: firearm owners who drink abusively (binge) more likely than other firearm owners to engage in high-risk behaviors with firearms

Burlington Free Press

Binge drinking: 1 in 5 Vermonters do it

Nancy Remsen, Free Press Staff Writer

12:08 a.m. EDT April 28, 2014



Man charged after shooting into neighbor's home

By Patrick McArdle STAFF WRITER

SHAFTSBURY — A local man is facing charges for firing what police believe may have been an AK-47 at a neighbor's home on Sunday morning, sending six bullets through a woman's bedroom. No one was hurt, police said.

"had a drunken stupor and started firing his gun."



Bennington man faces charges after alleged drunken rampage

By Patrick McArdle STAFF WRITER

BENNINGTON — A Bennington resident is facing felony charges after police said he pointed a gun at people on the street, attacked emergency room nurses and a sheriff's deputy and knocked down a utility pole while driving drunk on New Year's, which caused a power outage.

http://www.vermonttoday.com/apps/pbcs.dll/article?AID=/BT/20110103/NEWS02/701039919

Risk Factor #3: Intimate Partner Violence

- Most victims of intimate partner homicide killed with gun (national and VT)
- Increase risk of homicide when partner has access to firearm
- Domestic access to firearm associated with increased risk of homicide, especially among women

Risk Factor #3: Intimate Partner Violence

- 2010: Cities in states with law prohibiting firearm access among respondents of domestic ROA orders – 25% fewer firearmrelated intimate partner homicides
 - "Would-be" killers do <u>not</u> replace guns with other weapons to effect the same number of killings

Risk Factor #4: Substance abuse

- Multiple studies: illegal use of controlled substances associated with increased risk of violence
- Multiple vs single misdemeanor drug convictions indicates sustained involvement in drug market
 - Increased risk

VT ED Reality #4

- Male patient with high-capacity firearm to ED on "welfare check" because of "mental health issues"
- Emergency medical condition?
- Review of EMR, prescription-monitoring database indicates opiate addiction

The Boston Globe

Drugs-for-guns traffic troubles police in Mass., Vt.

Cheap firearms from one side of border, opiates from other bring peril

http://www.bostonglobe.com/metro/2014/04/27/guns-and-heroin-traverse-deadly-path-between-massachusetts-and-vermont/zJVoPvPmOLtBVFY7Vho0MI/story.html

Guns ←→ Drugs

The New York Times

Heroin Scourge Overtakes a 'Quaint' Vermont Town

By KATHARINE Q. SEELYE MARCH 5, 2014



Stephanie Predel is off heroin. But the Bennington, Vt., area, where she lives, is in the throes of an epidemic. Cheryl Senter for The New York Times

Mental Illness

- NOT an independent risk factor for violence
 - 4% of interpersonal violence attributed to mental illness alone
- Individuals with mental illness more likely to be victims of violence rather than perpetrators
 - Unless have other risk factors

Mental Illness

- Certain subgroups at elevated risk at certain times:
 - First episode of psychosis
 - Period surrounding psychiatric hospitalization
 - High-risk circumstances

Mental Illness

- Other mental health conditions at elevated risk for violence
 - Alcohol and/or substance abuse
 - Conduct disorders and antisocial personality disorders
 - Paranoid delusions, anger and impaired impulse control
 - Risk of violence reduced by treatment

Connecticut

- 2013: Impact of reporting of gun-disqualifying mental health records pre/post 2007
- 96% of crime committed during study period completed by persons without mental health disqualification at time of offense.
 - Many had disqualifying criminal record

Connecticut

- Significant reduction in risk of violent crime among persons with history of involuntary psychiatric hospitalization
- Mental illness with gun disqualification (involuntary)
 - Decreased violent crime risk by 53%
 - 6.7% → 3.9% annually

Actuarial Model of Violence Risk Assessment

- 2005: Studied acutely hospitalized US psychiatric patients
- Correlated stratified risk of violence with outcomes during 20 wk follow-up
 - High risk: 49% completed violence
 - Low risk: 9% completed violence

Self-directed Violence

- Mental illness more strongly associated with risk of self-directed vs interpersonal violence
- Most strongly associated depression dx
- Increased risk of self-directed violence during periods surrounding psychiatric hospitalization
- Multiple studies: domestic access to firearm associated with increased risk of completed suicide for all household members

Self-directed Violence

- Suicide impulsive act
 - Time between thought and attempt < 1 hr
 - Often 5-10 minutes
 - Often does not recur
- ~1/3 suicides effective on 1st attempt
- 51-53% of suicides completed with firearm
- 90% of suicide attempts with firearm lethal

Self-directed Violence

- Impact of Brady Act
 - 6% decline in suicide rate in among individuals>55 y/o



Suicide Deaths

The Healthy Vermonters 2020 goal is to reduce suicide deaths from 15.7 per 100,000 in 2010 to 11.7 per 100,000 in 2020. Suicide accounted for the deaths of 108 Vermonters in 2010. From 2005 to 2010 the number of suicide deaths gradually increased from 75 to 108. The 2010 Vermont suicide rate was significantly higher than the U.S. death rate (15.7 versus 12.1 per 100,000). http://healthvermont.gov/family/injury/documents/data_brief_suicide.pdf

Private Firearm Transfers

- 2005, 2013: > 40% incarcerated for firearm crime - including homicide - prohibited at time of offense
- 2013: > 95% prohibited persons who commit gun-related crimes obtain them through private transfers
- Obvious method of movement firearms from legal market → disqualified persons

Benefits of Comprehensive Background Checks

- 1999, 2001: Background checks and denial of firearm purchase reduced risk of re-arrest among prohibited persons.
 - Decreased risk of new firearm violent crimes by
 25%
- 2009, 2012: Decreases in-state firearm trafficking
- 2007, 2009: Disrupt illegal firearm markets

Comprehensive Background Checks

- State-level benefits undermined by trafficking from adjacent states
- 2007: 30% of vehicles at NV-CA border gun show with CA plate

Summary

- Behaviors, not diagnoses
- Risk stratification, not prediction
- Firearm restriction among persons with known risk factors reduces risk of violence
- Individual and public heath benefits impaired by lack of universal background checks
- Physicians, patients at risk by ineffective/absent gun laws