

West Central Minnesota Toward Zero Deaths
6th Annual Regional Workshop
Concordia College, 901 8th Street South
Moorhead, MN 56562

April 12, 2018



SAVE A LIFE

BCON

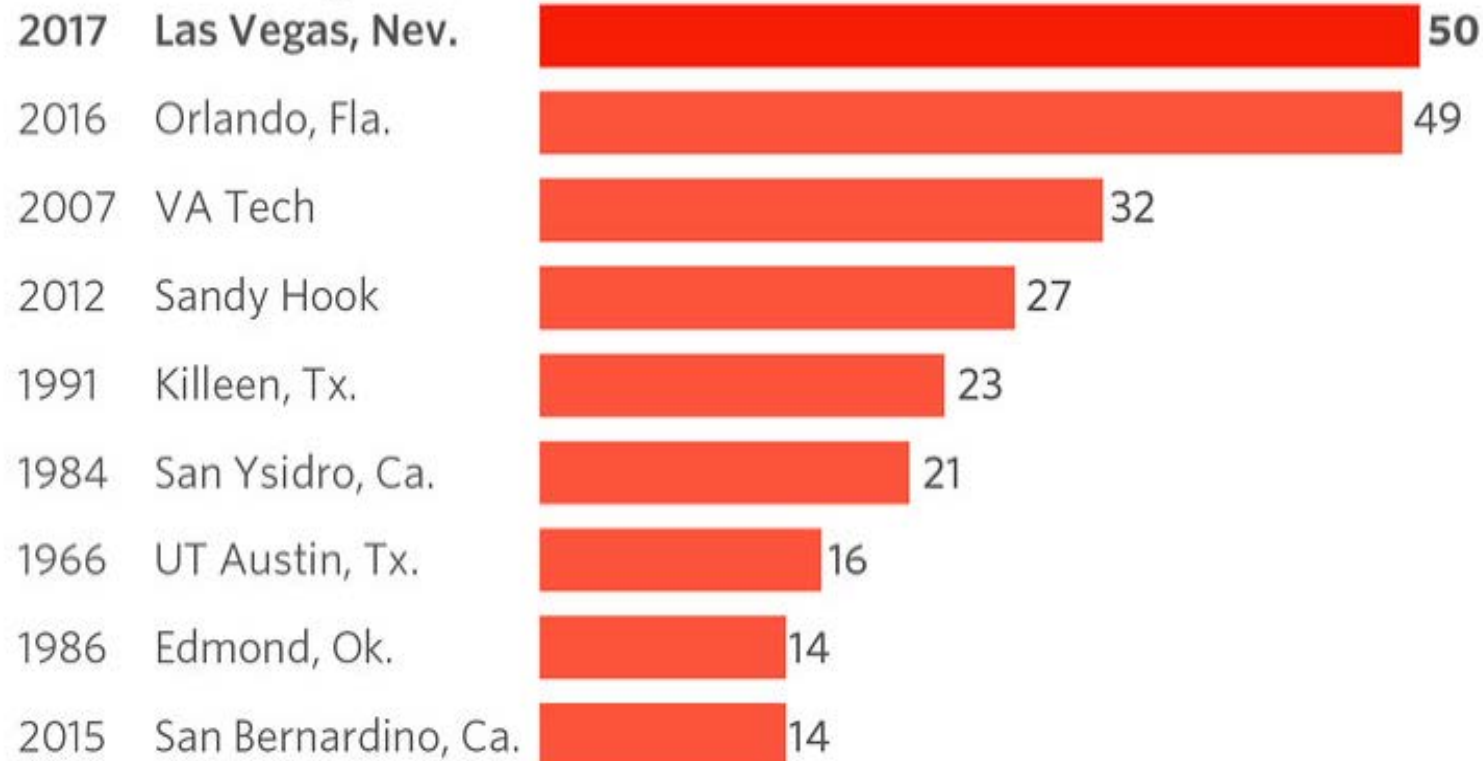
CIVILIAN ENGAGEMENT IN PREHOSPITAL CARE

DEB SYVERSON, RN, BSN, TRAUMA PROGRAM MANAGER

STEVEN BRIGGS MD FACS / SANFORD TRAUMA SERVICES

The top 10 U.S. mass shootings

The mass shooting at a country-music concert in Las Vegas late Sunday is the worst-ever to happen in the U.S



Oh, how the world has changed.

New #5

Sutherland Springs, Texas

November 2017

20 injured

26 killed



New Reality

- ▶ It doesn't matter where we live, we have to be prepared for the possibility of a mass shooting event.



Preparation

▶ Hospitals/EMS

- ▶ Mass Casualty practice
 - ▶ Table top exercises
 - ▶ Drills
 - ▶ Education of administration and staff

▶ General Public

- ▶ By the nature of these events, the general public needs to become “first responders”



The Four Es & More

The TZD program team has identified several major focus areas to reduce traffic injuries and fatalities. A combination of strategies from different focus areas is often most effective for solving a particular problem.

Education

Changing driver behavior is the focus of traffic safety education efforts. It is not enough for drivers to understand the "rules of the road." Drivers must be motivated to change their driving habits.

- [More about Education](#)

Emergency Medical & Trauma Services

The goal of the Toward Zero Deaths program is to reduce not just crashes, but total road injuries and fatalities. That means that when a crash does occur, fast, efficient, and coordinated emergency response is critical.

- [More about Emergency Medical & Trauma Services](#)

Enforcement

Ensuring compliance with traffic laws is a major component in changing driver behavior and reducing unsafe driving practices.

- [More about Enforcement](#)

Engineering


Modifying or reconstructing roadways can be challenging and time consuming. Careful evaluation of road characteristics is the key to a solid investment in public safety.

- [More about Engineering](#)

Courts & Legislation

The passage of traffic safety legislation in Minnesota plays a major role in supporting TZD efforts. Once laws are in place, the judicial system supports TZD by upholding and carrying through on citations.

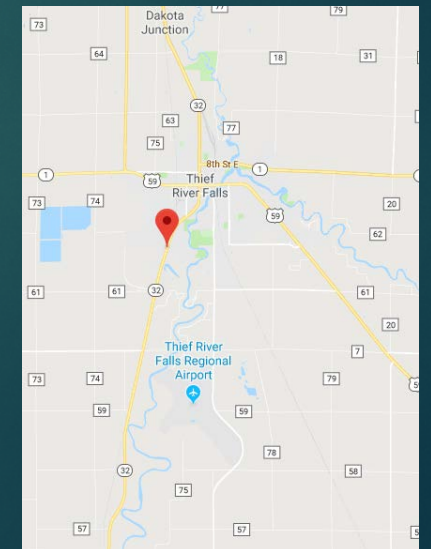
- [More about Courts & Legislation](#)



The Public as First Responders?

► Why

- They are first on scene.
- We are dealing with penetrating injury mechanisms.
 - The largest percentage have non-life threatening injuries.
 - A percentage are dead instantly.
 - A larger percentage have life threatening injuries.



- ▶ If you are alive with a penetrating injury, how is it likely to kill you?

BLEEDING

- ▶ To improve survival in these events, we have to get bleeding control interventions to the victims in the first minutes of the event.



▶ Principles of Early Bleeding Control

- ▶ Pack the wound
- ▶ Direct pressure to bleeding sites
- ▶ Tourniquets

▶ By Civilians



BCON


BRINGING BLEEDING CONTROL TO THE MASSES.

SEPTEMBER 2015 | VOLUME 100 NUMBER 15 | AMERICAN COLLEGE OF SURGEONS


Bulletin

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See Something,




Do Something:



Improving Survival

Strategies to Enhance Survival
in Active Shooter
and Intentional
Mass Casualty Events:
A Compendium



The Hartford Consensus

- ▶ **Define the problem:**
 - ▶ Active shooter events are a new reality.
- ▶ **Define an strategy to improve survival:**
 - ▶ **Early hemorrhage control**
- ▶ **Describe an integrated response to the active shooter event:**
 - ▶ Civilians
 - ▶ Law enforcement
 - ▶ Fire
 - ▶ EMS



Integrating a Response: “THREAT” Response

- ▶ **T**hreat suppression
 - ▶ Neutralization of the shooter
- ▶ **H**emorrhage control
 - ▶ Packing / Direct pressure
 - ▶ Tourniquets
- ▶ **R**apid
Extrication
- ▶ **A**ssessment by medical providers
- ▶ **T**ransport to definitive care

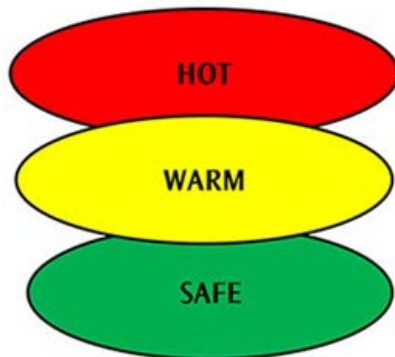
Compressing the Zones of Care

THREAT

The Hartford Consensus
Improving Survival from Active Shooter and Intentional Mass
Casualty Events



Compressing the zones delivers care to injured victims more rapidly and facilitates earlier hemorrhage control



Training the Public



STOP
THE BLEED[®]

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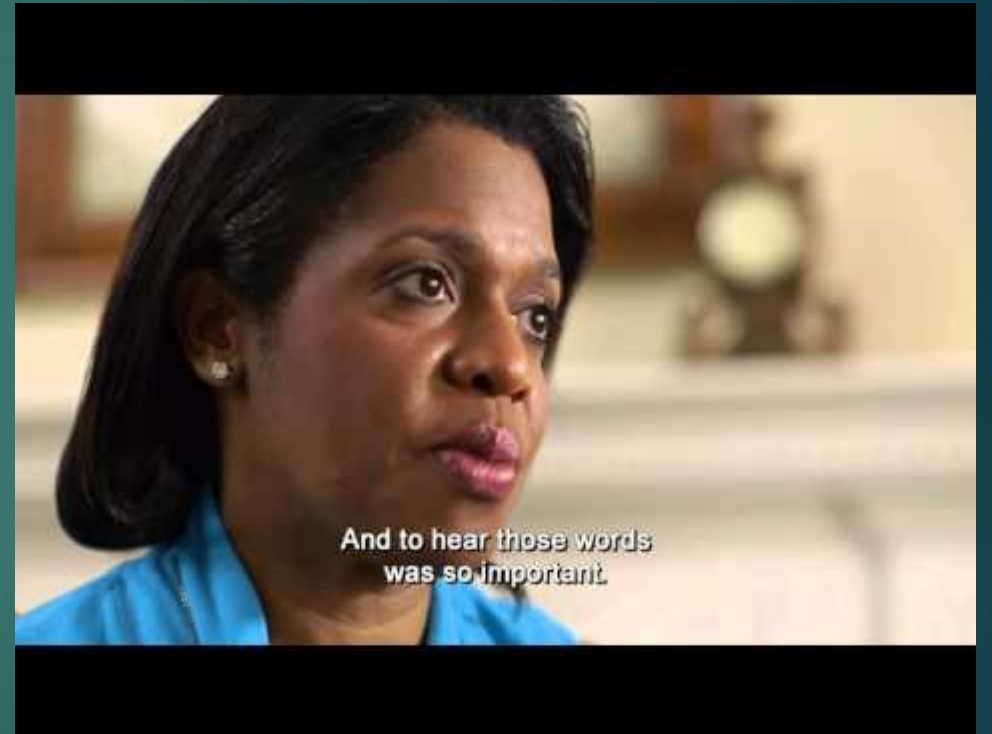
NATIONAL DONOR BLOOD BANK
SAVE A LIFE
STOP THE BLEED

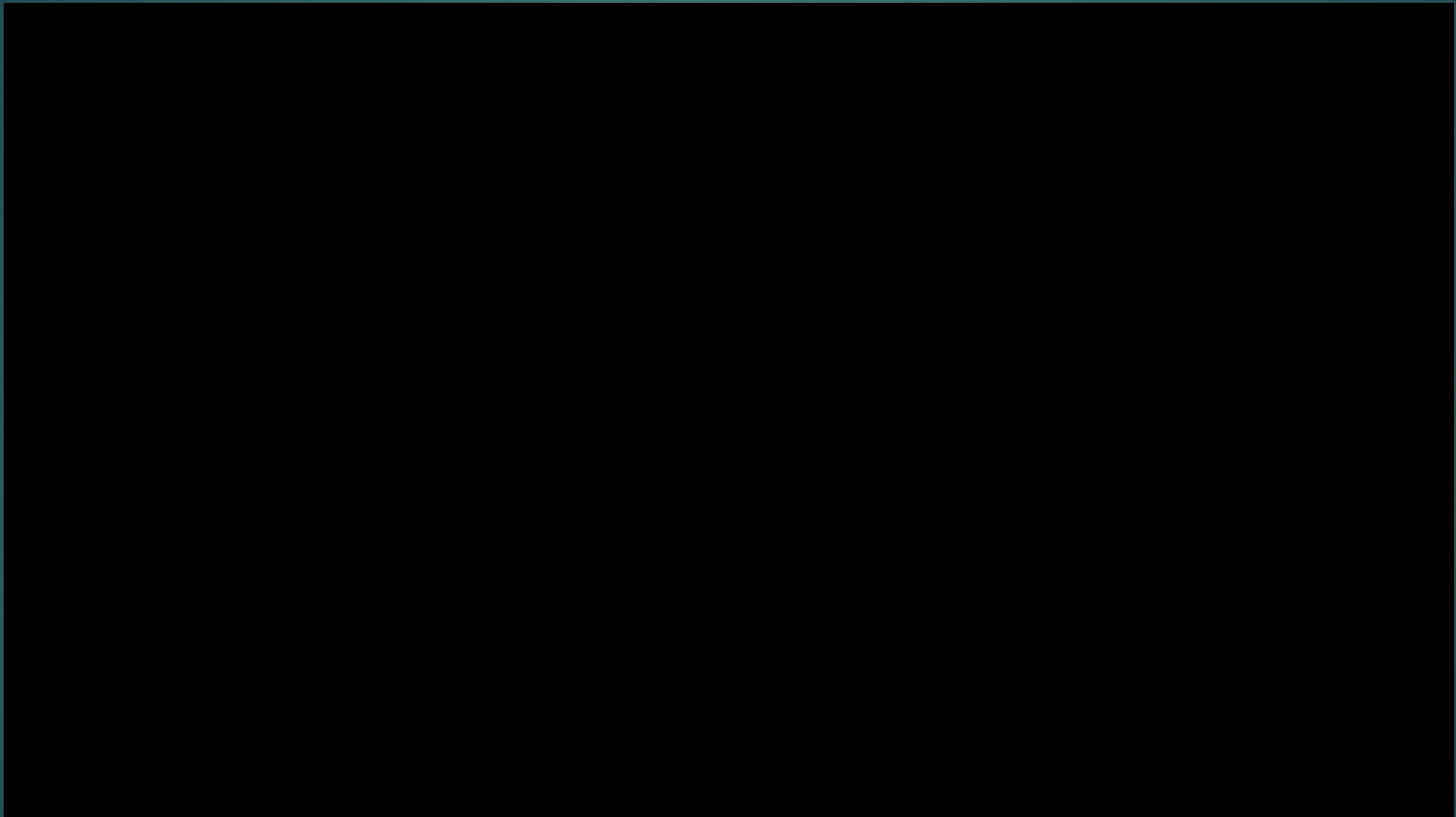
BLEEDINGCONTROL.ORG



Priority #1

- ▶ Empower the public to act.





Priority #2

- ▶ Provide the tools to act.
 - ▶ Education on packing wounds.
 - ▶ Education on direct pressure.
 - ▶ Education on Tourniquets.





You and I

NEED TO BE (CAN BE) THE EDUCATORS!

Hemorrhage Control

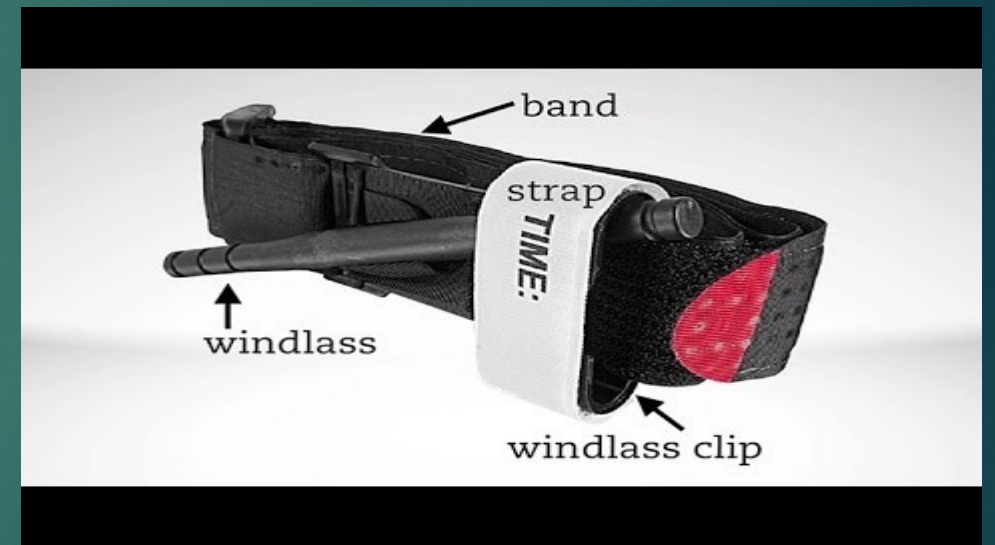
▶ Direct Pressure

- ▶ Hands.
- ▶ Shirt.
- ▶ Whatever you have around you.



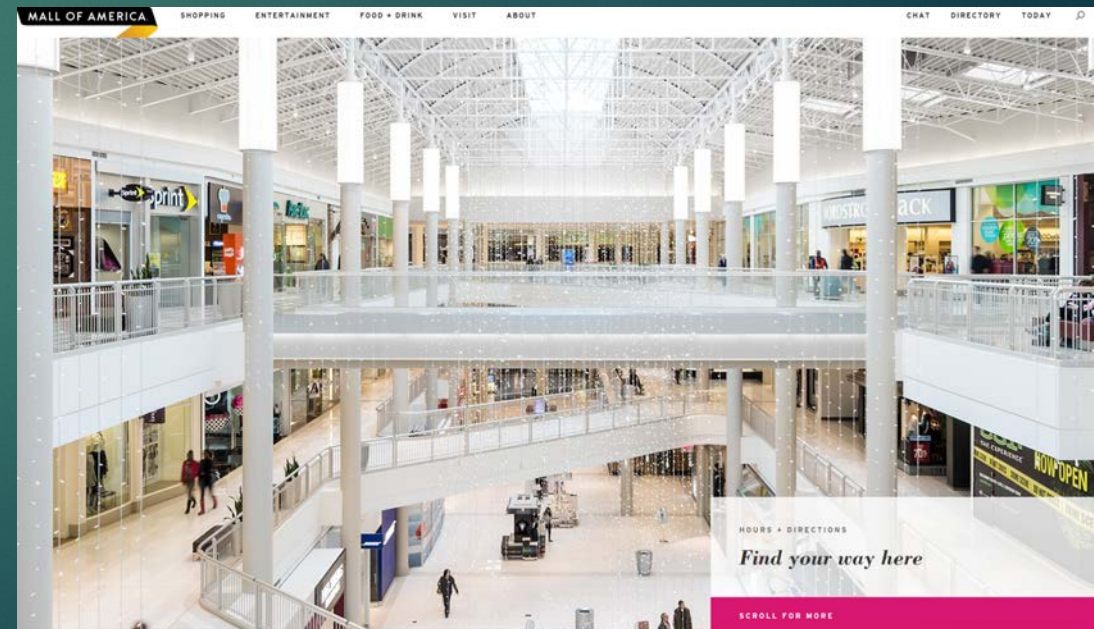
Tourniquets

- ▶ For what type of bleeding do you apply tourniquet?
 - ▶ Large volume extremity bleeding





Coming to a public place near you...





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www.bleedingcontrol.org

News Updates >

- i** **Active-shooter exercise trains Valley emergency responders**
December 10, 2017
- i** **Preparing for the worst day of someone's life**
December 4, 2017
- i** **More and More Americans Are Learning Basic First Aid for Gunshot Wounds**
November 30, 2017
- i** **Campaign teaches emergency first-aid skills locally with 'Stop the Bleed'**
November 26, 2017

Stop the Bleed T-Shirts >



Save a life and be fashionable. These bold red t-shirts help spread the word about what to do in a bleeding emergency.

[Purchase a T-Shirt](#)

New England Patriots Support Stop the Bleed



In a new public service announcement, Devin McCourty (defensive back) for the New England Patriots explains why access to resources for bleeding control should be a priority in sports arenas, pointing out that Gillette Stadium is the first stadium in the league to train their personnel,

Instructor Portal > Enter Keyword

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Resources

- How to Stop the Bleed
- Stop the Bleed Videos
- Save a Life Flowchart
- Basics of Bleeding Control Booklet
- Stop the Bleed Poster
- Hartford Consensus Compendium
- Compressing the Zones of Care

Bleeding emergency?

➔ What to do now

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Personal Kits

Details

Personal Bleeding Control Kit
 \$69.00

Premium Personal Bleeding Control Kit
 \$99.00



Photo courtesy of OHSU

Civilian tourniquet use associated with six-fold reduction in mortality

BY TRAUMA NEWS ON APRIL 11, 2018

RESEARCH

Although several studies have looked at tourniquet use in civilian settings, the survival benefit for patients was unclear. However, new research from Texas shows that for civilian patients with peripheral vascular injury, prehospital tourniquet use is associated with dramatically improved odds of survival.

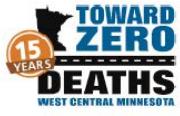
The new study — [Civilian Prehospital Tourniquet Use Is Associated with Improved Survival in Patients with Peripheral Vascular Injury](#) — was recently published as an *article in press* by the *Journal of the American College of Surgeons*.

No one should die from uncontrolled hemorrhage



SAVE A LIFE

Civilian tourniquet use associated with six-fold reduction in mortality!!



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SAVE A LIFE



thank you!



SAVE A LIFE

<https://youtu.be/y81aJ81In5Q>

<https://youtu.be/qBrMU0sLoHQ>