

# THE MICHIGAN TRAUMA SYSTEM SUPPORTS.....



## BACKGROUND

Motivated by the 2012 tragedy in Sandy Hook and other tragedies that have occurred in the ensuing years, what has become known as the Hartford Consensus was convened to bring together leaders from law enforcement, the federal government, and the medical community to improve survivability from manmade or natural mass casualty incidents. The resulting injuries from these incidents generally present with severe bleeding which, if left unattended, can result in death. The participants of the Hartford Consensus concluded that by providing first responders (law enforcement) and civilian bystanders (immediate responders) the skills and basic tools to stop uncontrolled bleeding in an emergency, lives would be saved<sup>1</sup>. In fact, uncontrolled bleeding is the number one cause of preventable death in trauma, 20% of people who died from bleeding could have survived with quick bleeding control<sup>2</sup>.

The White House responding to the Hartford Consensus' recommendation that the public be trained in bleeding control launched the **Stop the Bleed**<sup>®</sup> national campaign in October 2015. The campaign was designed to encourage and support the education and training of immediate responders for bleeding emergencies at the workplace, school, community, and elsewhere<sup>3</sup>.

Michigan is committed to supporting this initiative throughout the state, the following describes the work and results of that resolve.

## BUREAU OF EMS, TRAUMA AND PREPAREDNESS

**Train the Trainer-** In October 2017, the Bureau of EMS, Trauma and Preparedness (BETP) supported a trauma conference "Michigan Trauma Conference 2017: Preparing for the Future". At the afternoon session a Stop the Bleed<sup>®</sup> train the trainer course was conducted for 230 trauma care professionals.

**Training Kits-** BETP purchased ten Bleeding Control Training Kits<sup>®</sup> approved by the American College of Surgeons, the ACS Committee on Trauma, and the Hartford Consensus – founders of [www.bleedingcontrol.org](http://www.bleedingcontrol.org) along with the Department of Defense, Department of Homeland Security, the FBI, and other recognized emergency response organizations. The kits were positioned in each of the eight trauma regions. Trainers contact the Regional Trauma Coordinator to have a kit signed out to them for training and then returned. More information is posted on the trauma system website [www.michigan.gov/traumasystem](http://www.michigan.gov/traumasystem)-System Support. The kits were made available in October of 2017 and have been in constant use since. The kit contents will be replenished in 2019 to keep up with demand.



**Education**-In 2018 BETP supported trauma program development that included trauma education, injury prevention, performance improvement and infrastructure. More than forty- two facilities requested funding to support Stop the Bleed® training in their communities.

**EMS Protocol development**-The EMS state protocol for Soft Tissue and Orthopedic Injuries was revised in October 2017 to align with the Stop the Bleed® recommendations including; direct pressure, early tourniquet use, hemostatic dressing and pressure dressing with deep wound packing.



Initial Date: 5/31/2012  
Revised Date: 10/25/2017

Michigan  
TRAUMA AND ENVIRONMENTAL  
SOFT TISSUE AND ORTHOPEDIC INJURIES

Section 2-5

#### **Soft Tissue & Orthopedic Injuries**

1. Follow **General Pre-hospital Care Protocol**.]
2. Control bleeding.
  - A. Utilize direct pressure.
  - B. Consider early tourniquet use (refer to **Tourniquet Application Procedure**).
  - C. Consider FDA **and** MCA approved hemostatic agents and hemorrhage control devices.
  - D. Consider use of pressure dressings **with** deep wound packing.

**Ongoing training**-This bleeding control initiative is continuing throughout the state as residents and stakeholders expressed their interest in learning about bleeding control in extraordinary circumstances and in their everyday lives. To date, more than 257 trainings have been held and more than 3,800 people have attended trainings.

## **PARTNERS**

**Michigan Trauma Coalition**- On April 26, 2018 a large group of multi-disciplinary trauma professionals from around the state rallied at the capital to promote bleeding control education and funding for the Michigan state trauma system: one of only two state systems in the country that lack permanent funding. Heather Ruffin, chair of the marketing and legislative committees for the Michigan Trauma Coalition (MTC), and trauma program manager at Mercy Health in Muskegon stated that several senators and representatives at the capitol attended along with their staff. With the MTC members in attendance in the gallery, the house passed House Resolution 320 naming April 26 'Stop the Bleed Day.' A bill was also introduced that extended the sunset on the trauma system funding<sup>4</sup>.

**Region 2 South**- The region partnered with the Detroit Police Academy in July 2018 and trained 87 cadet teachers and counselors to conduct Stop the Bleed® courses. Later that month these trainers, with the support of the region's trauma facilities and the Regional Trauma Coordinator, conducted three Stop the Bleed courses for 1,180 Detroit Police Academy cadets.

**41 Lumber**- The company sent their administrators to a Stop the Bleed® course in the community to assess how this training could be implemented for staff employed in all their lumber yards.

**Oakland County**-The Clarkston School district participated in Stop the Bleed® trainings. Participants from eight schools in the district from elementary through high school were trained on how to manage bleeding as an immediate bystander.

<sup>1</sup> Montana Department of Public Health and Human Services. "Stop the Bleed Campaign." Accessed 11/2/2018. <https://dphhs.mt.gov/publichealth/emsts/traumasystems/stopthebleed>

<sup>2</sup> Central Illinois Coalition Active in Response Planning. "Stop the Bleed." Accessed 11/2/2018. [https://www.osfhealthcare.org/media/filer\\_public/2b/5f/2b5fd4c9-78aa-4e92-8256-9789d3003e39/cil-carp\\_bleeding\\_control\\_pamphlet.pdf](https://www.osfhealthcare.org/media/filer_public/2b/5f/2b5fd4c9-78aa-4e92-8256-9789d3003e39/cil-carp_bleeding_control_pamphlet.pdf)

<sup>3</sup> American College of Surgeons. "Bleeding Control 2018 Progress Report." Accessed 11/2/2018. [https://www.bleedingcontrol.org/-/media/bleedingcontrol/files/2018\\_stb\\_progressreport.sxh](https://www.bleedingcontrol.org/-/media/bleedingcontrol/files/2018_stb_progressreport.sxh)

<sup>4</sup> Michigan Trauma Coalition. "MTC News." Accessed 11/2/2018. <http://mitrauma.org/about/mtc-news/>