

Pre-Hospital Hemorrhage Control Emerging Trends

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Background

Utilizing Wisconsin Ambulance Run Data System Information

Wisconsin Ambulance Run Data System Information Helps Promote the Importance of Life-Saving Hemorrhage Control Techniques

National programs such as Stop The Bleed™ draw attention to the importance of hemorrhage control. Wisconsin's Emergency Medical Services (EMS) data provides an overview of the types of hemorrhage control being performed by Wisconsin ambulance services. This information will: help inform key partners, including Wisconsin Trauma Care Centers and ambulance services, of hemorrhage control efforts in the field; encourage public education on the proper use of hemorrhage control methods, including tourniquets; and effectively promote training opportunities and resources related to hemorrhage control.

All ambulance runs from January-December 2018 were pulled from the Wisconsin Ambulance Run Data System and filtered to include only ambulance runs that were the result of injury or that included bleeding/hemorrhage control as an attempted or successful procedure by pre-hospital personnel. The analysis also emphasizes bleeding/hemorrhage control events where a tourniquet was applied by EMS.

A majority of bleeding control procedures were performed for injuries sustained at a private residence. This shows the importance of hemorrhage control training for the public and law enforcement officers, as bystanders and law enforcement officers are often with a patient before the responding ambulance crew arrives. Appropriate and safe hemorrhage control by officers and/or bystanders to stop the bleed of a patient suffering from life-threatening hemorrhage could save a patient's life.

To learn more about the Stop the Bleed campaign, and to find hemorrhage control training near you, visit www.bleedingcontrol.org/.



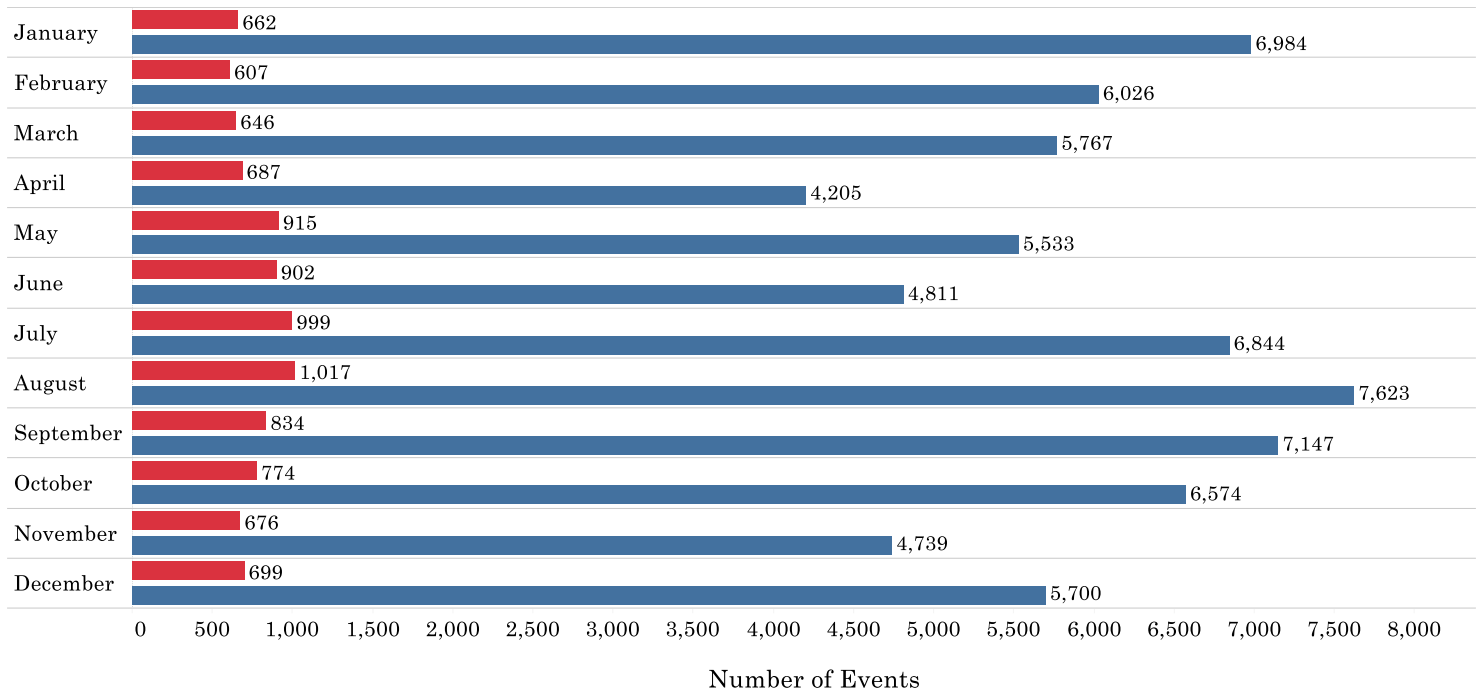


Pre-Hospital Hemorrhage Control

Emerging Trends: January—December 2018

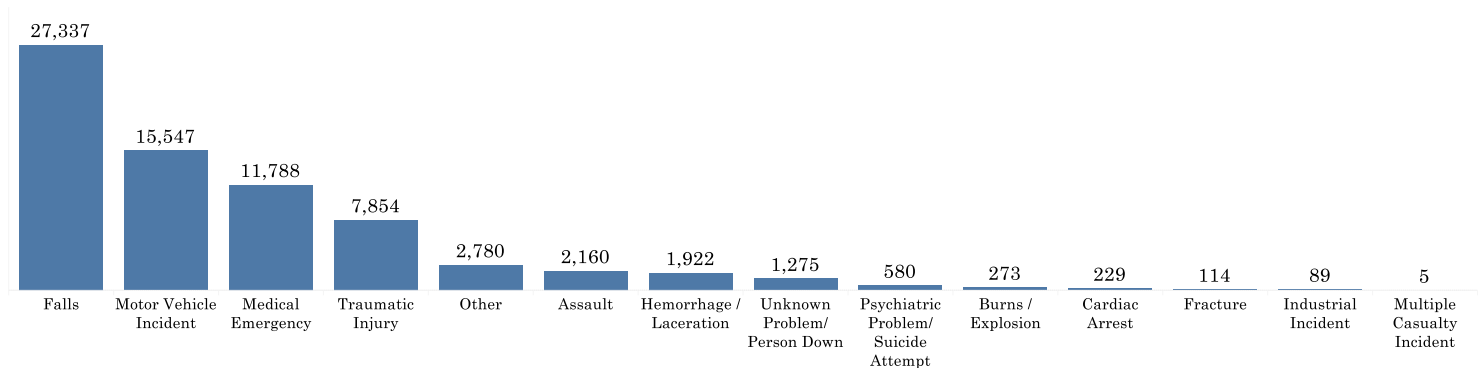
Number of injuries vs. Bleeding Control Events by Month

■ Bleeding Control Events
■ Injury Events

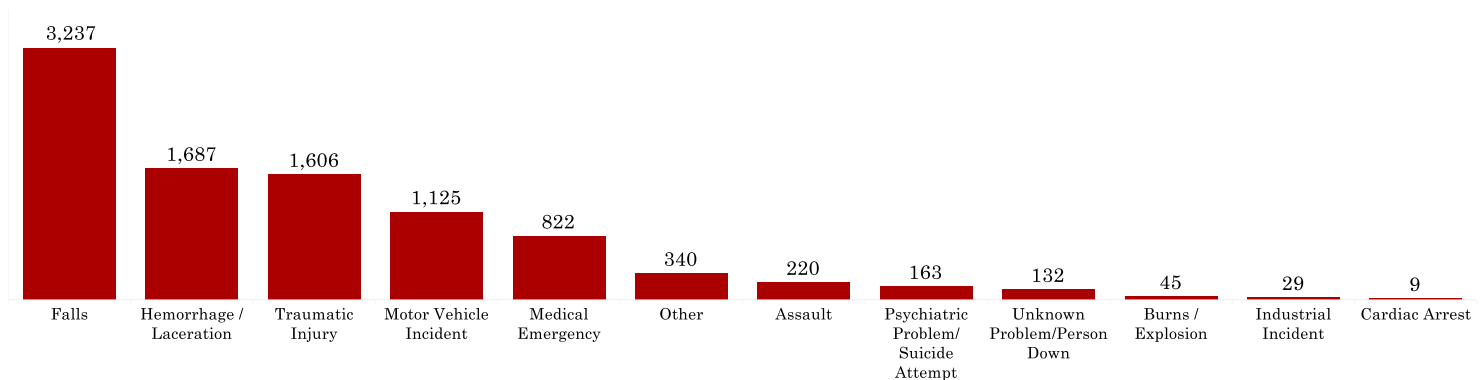


Injuries by Dispatch Complaint Reported

Falls account for the highest share of injuries reported for EMS response.



Bleeding Control Events by Complaint Reported

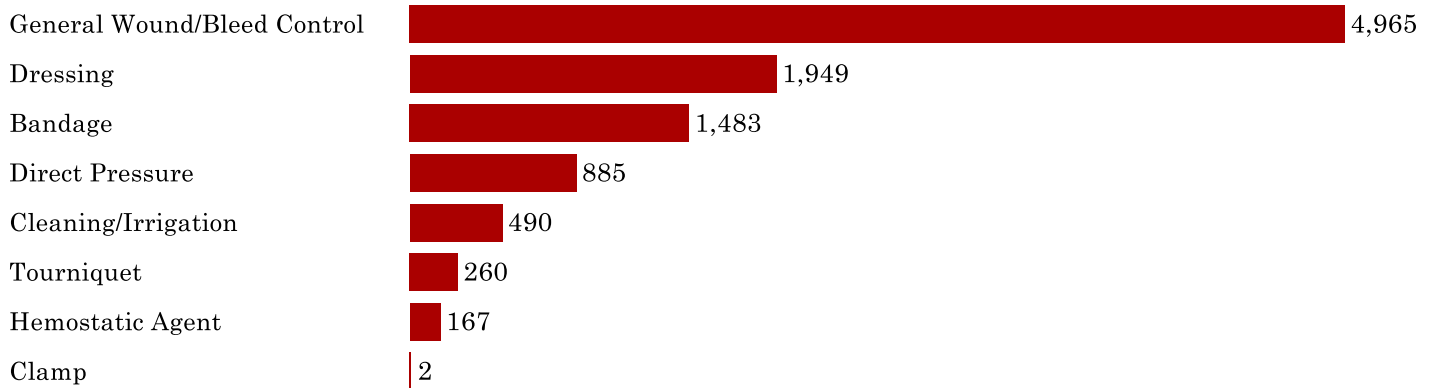




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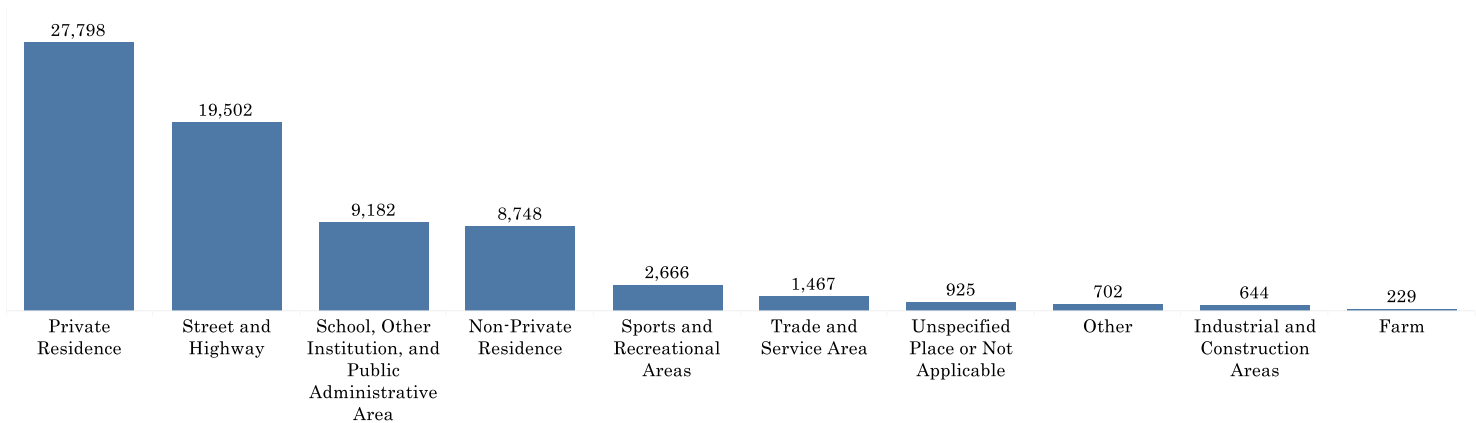
Emerging Trends: January—December 2018

Bleeding Control Methods

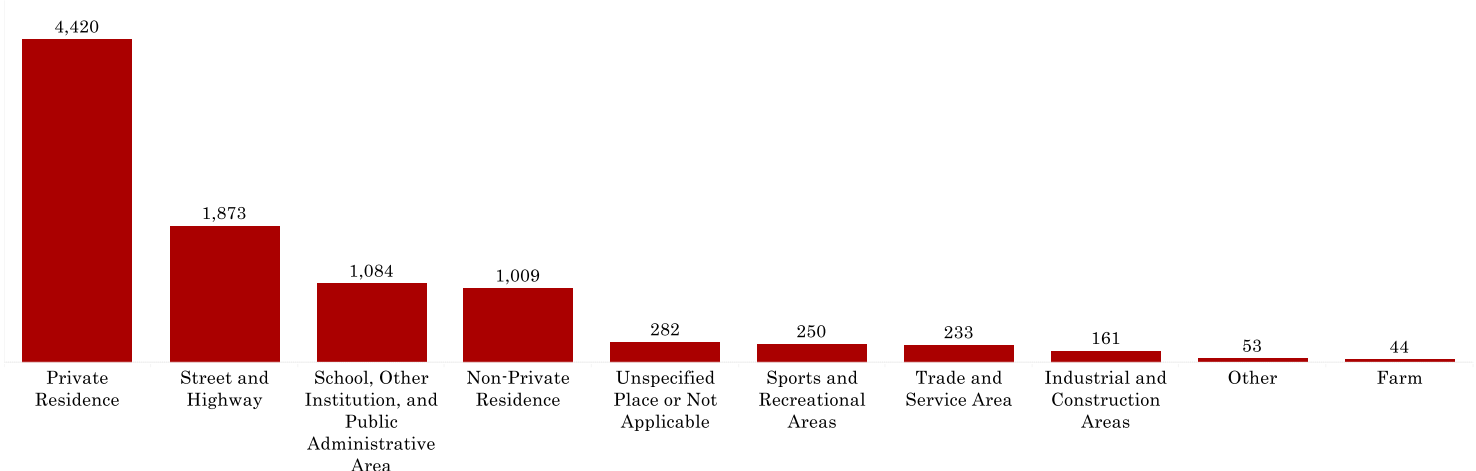


Injury Events by Incident Location

Most EMS events for injuries indicated a response to a private residence.



Bleeding Control Events by Incident Location



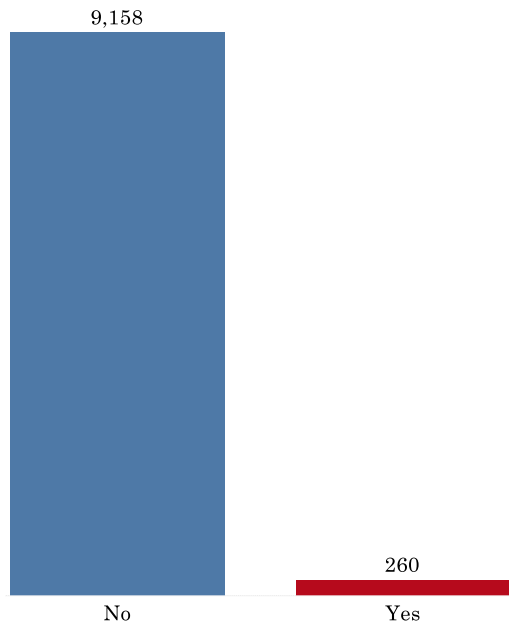


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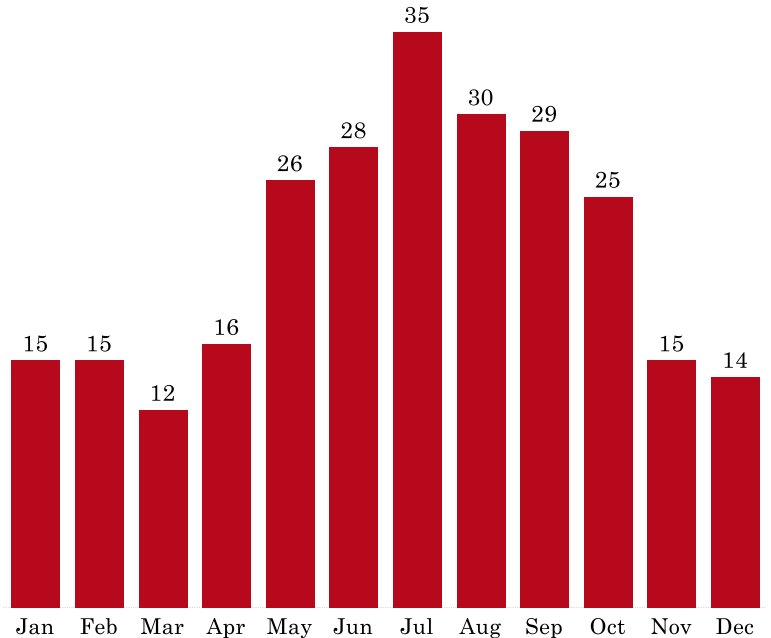
Emerging Trends: January—December 2018

A tourniquet is a constricting or compressing device used to stop blood flow. In an emergency setting, tourniquets are applied to prevent fatal hemorrhage. Common types of extremity tourniquets include the Combat Application Tourniquet (CAT), Special Operations Forces Tourniquet (SOF-T), and SOF-T Wide.

Tourniquet Application



Tourniquet Application by Month



Tourniquet Application—Location Breakdown

