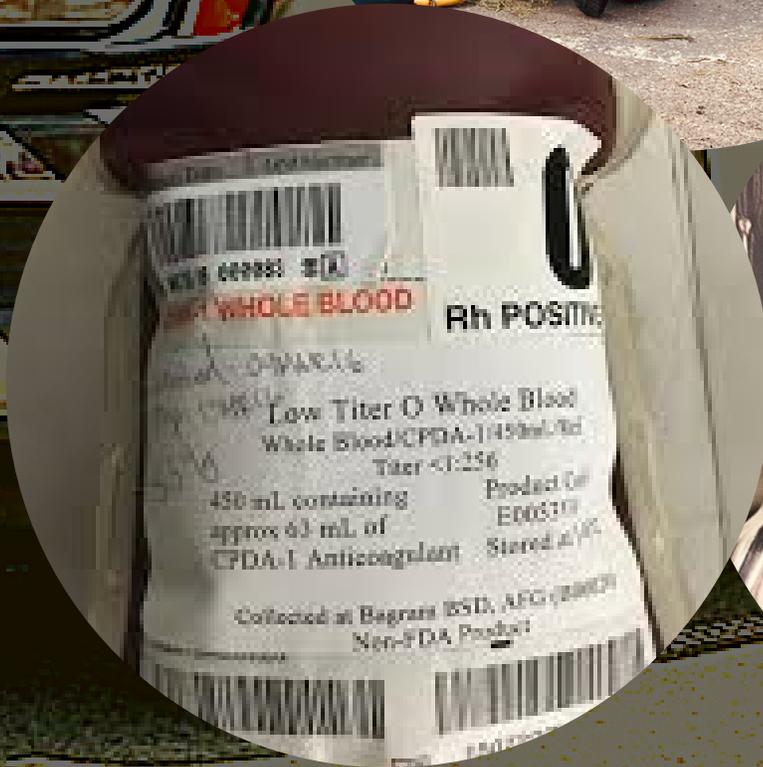
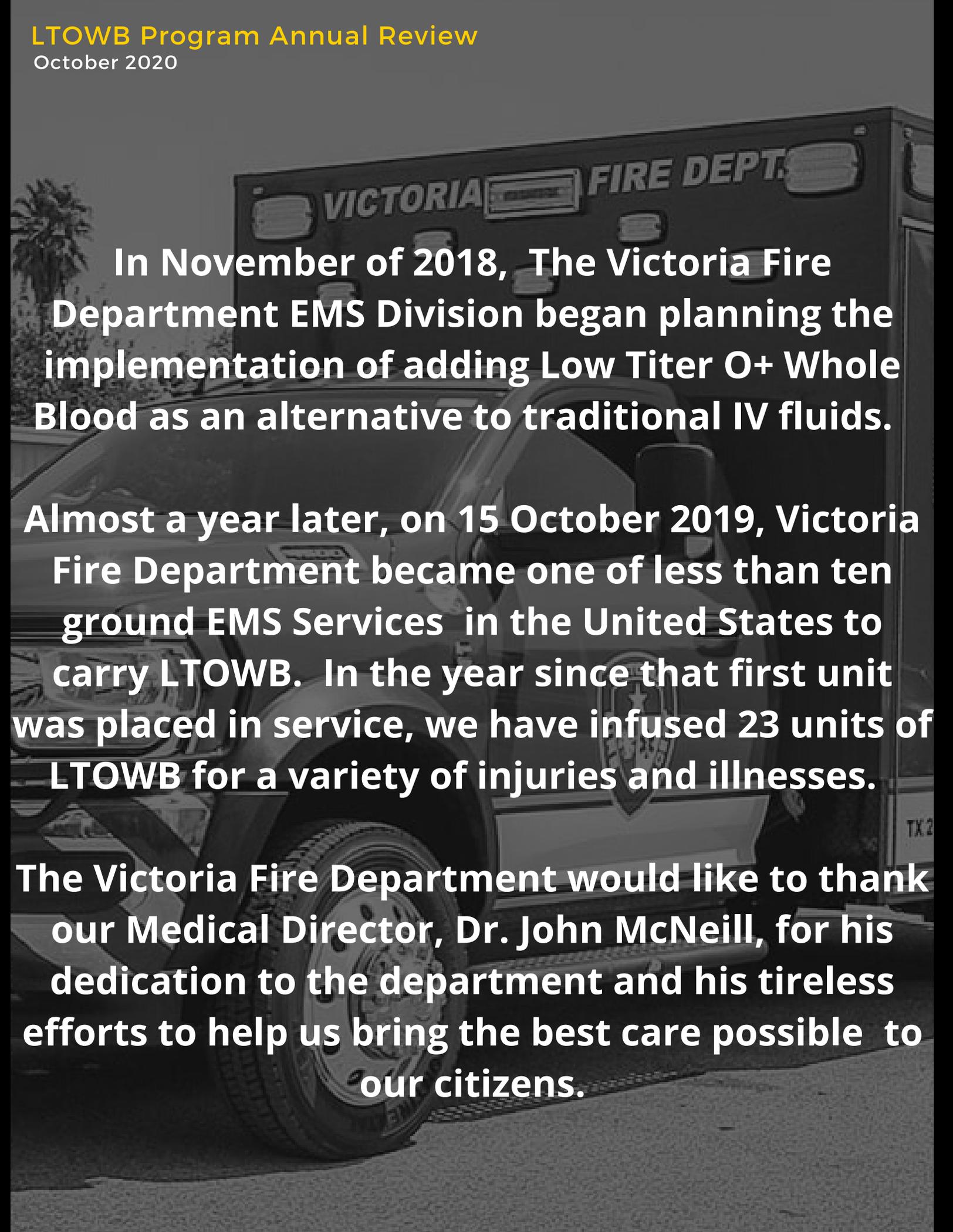


VICTORIA FIRE DEPARTMENT

LTOWB Program Annual Review

October 2020





In November of 2018, The Victoria Fire Department EMS Division began planning the implementation of adding Low Titer O+ Whole Blood as an alternative to traditional IV fluids.

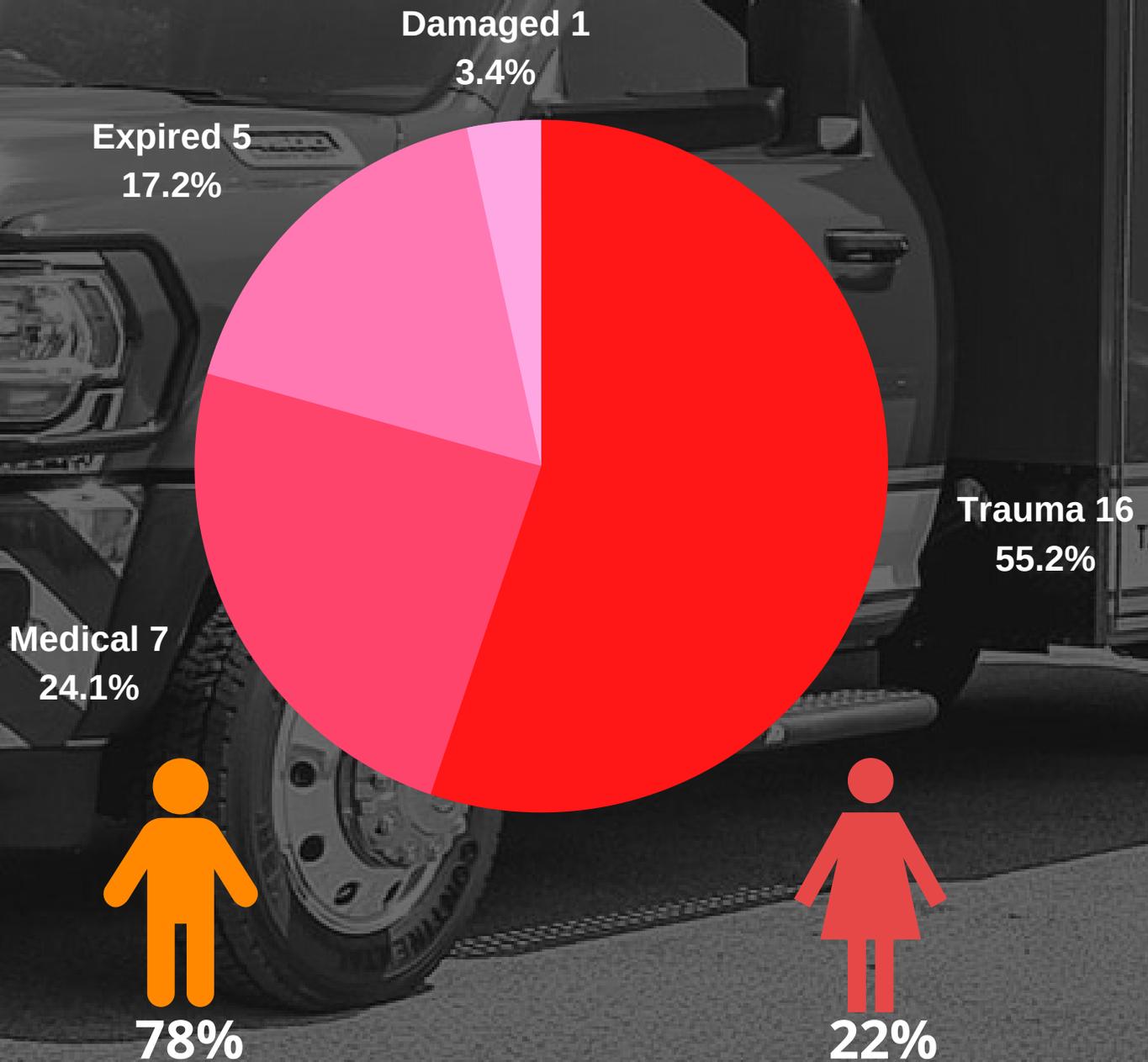
Almost a year later, on 15 October 2019, Victoria Fire Department became one of less than ten ground EMS Services in the United States to carry LTOWB. In the year since that first unit was placed in service, we have infused 23 units of LTOWB for a variety of injuries and illnesses.

The Victoria Fire Department would like to thank our Medical Director, Dr. John McNeill, for his dedication to the department and his tireless efforts to help us bring the best care possible to our citizens.

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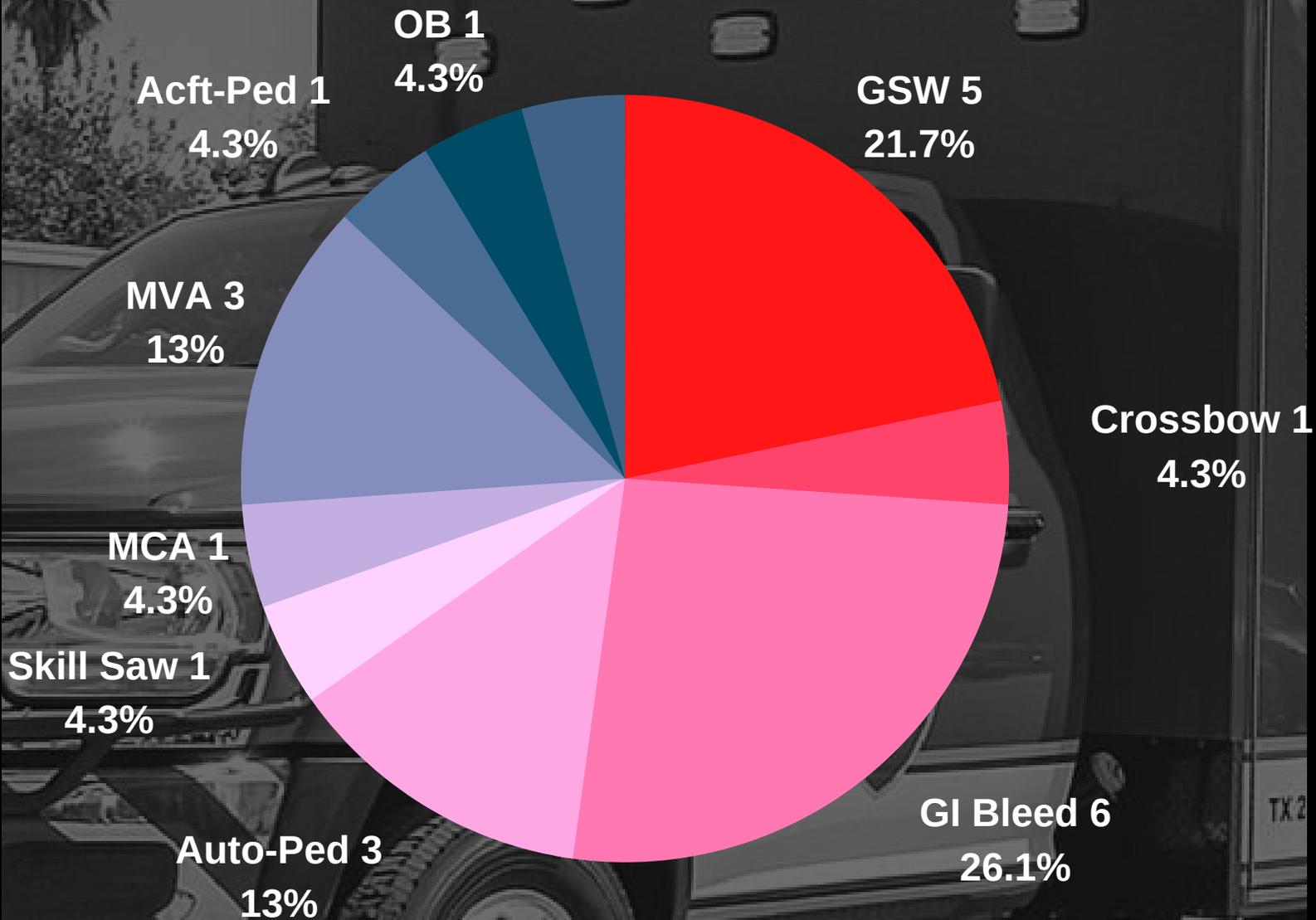
Trauma accounted for 70% of whole blood transfusions, while medical complaints made up the remaining 30%. Males received 88% of the total administrations for trauma, and 78% of all transfusions. When we receive a unit of blood it typically has a shelf life of 28-30 days. We have had 5 units expire since the inception of the program. One unit was damaged by freezing and had to be discarded.



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This graph depicts the wide range of injuries/illnesses that required the transfusion of whole blood.



Acft-Ped = Aircraft propeller struck a person
Auto-Ped = Vehicle struck a person
MVA = Motor Vehicle Accident
MCA = Motorcycle Accident
GSW = Gun Shot Wound
OB = Obstetrical Emergency
Pen Inj = Penetrating Injury (bamboo stick struck leg artery)
GI Bleed = Gastrointestinal bleeding
Skill Saw = Patient lacerated leg with a power saw
Crossbow = Patient struck with crossbow bolt

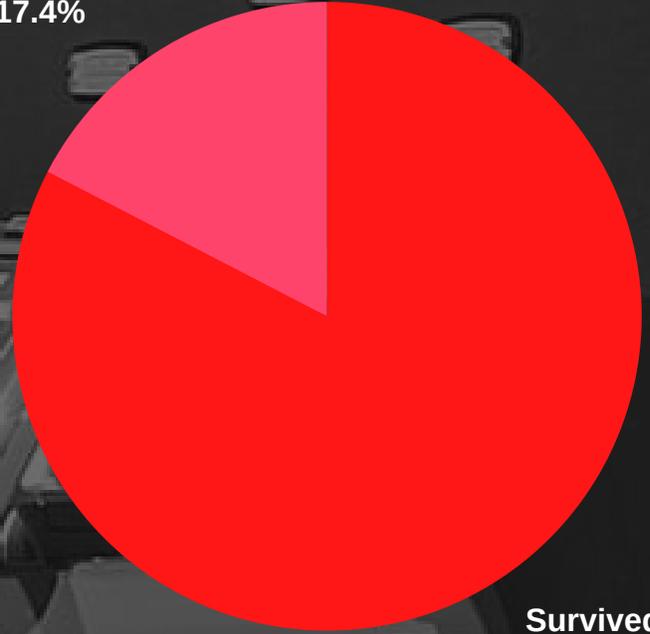
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There has not been an adverse reaction in any of the 23 transfusions.

Survival after Transfusion

Deceased 4
17.4%



Survived Event 19
82.6%

Transfusions by Shift

C 12
52.2%

A 6
26.1%

B 5
21.7%

