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 2 years since that first unit was placed in service, we have infused 58 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.
Trauma accounted for 40% of whole blood transfusions, while medical complaints made up the remaining 60%. 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, all of which occurred in the first year.
This graph depicts the wide range of injuries/illnesses that required the transfusion of whole blood.
There have been no adverse reactions in any of the 58 transfusions performed.

Survival after Transfusion

- Survived to ER: 32
- Deceased: 3

Transfusions by Shift

- Shift A: 11 units
- Shift B: 13 units
- Shift C: 11 units
Males represent the majority of infusions by VFD over the 2 years we have had the program.

Year 2 saw a 52% increase in infusions over year 1.

2 of 37 units expired this year compared to 5 of 28 in year 1 - a decrease of 13%.

60% of infusions this year were for medical issues vs only 22% in the first year.

Survival to ED following the event increased from 83% in year 1 to 91% this year.