

# Emergency Response – Post Crash Care

Strategy 2 - Safe & Rapid Transport of Crash Victims and Training of Emergency Responders

October 16, 2024

2024 Annual Transportation Safety Meeting

Helena, MT



DEPARTMENT OF  
**PUBLIC HEALTH &  
HUMAN SERVICES**

# Rural EMS Training Grant

*Shari Graham, NRP – EMS System Manager*



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# 402 Program - State and Community Highway Safety Grant Program

- DPHHS EMS and Trauma Systems has received funding annually since 2012 through the State and Community Highway Safety Grant Program
- Over 1,000 emergency care providers have completed trauma education
- 70 Courses have been offered since 2013
- Prior to 2013 trauma courses had not been offered broadly in the state for several years
- Providers had to travel outside of Montana to receive this education

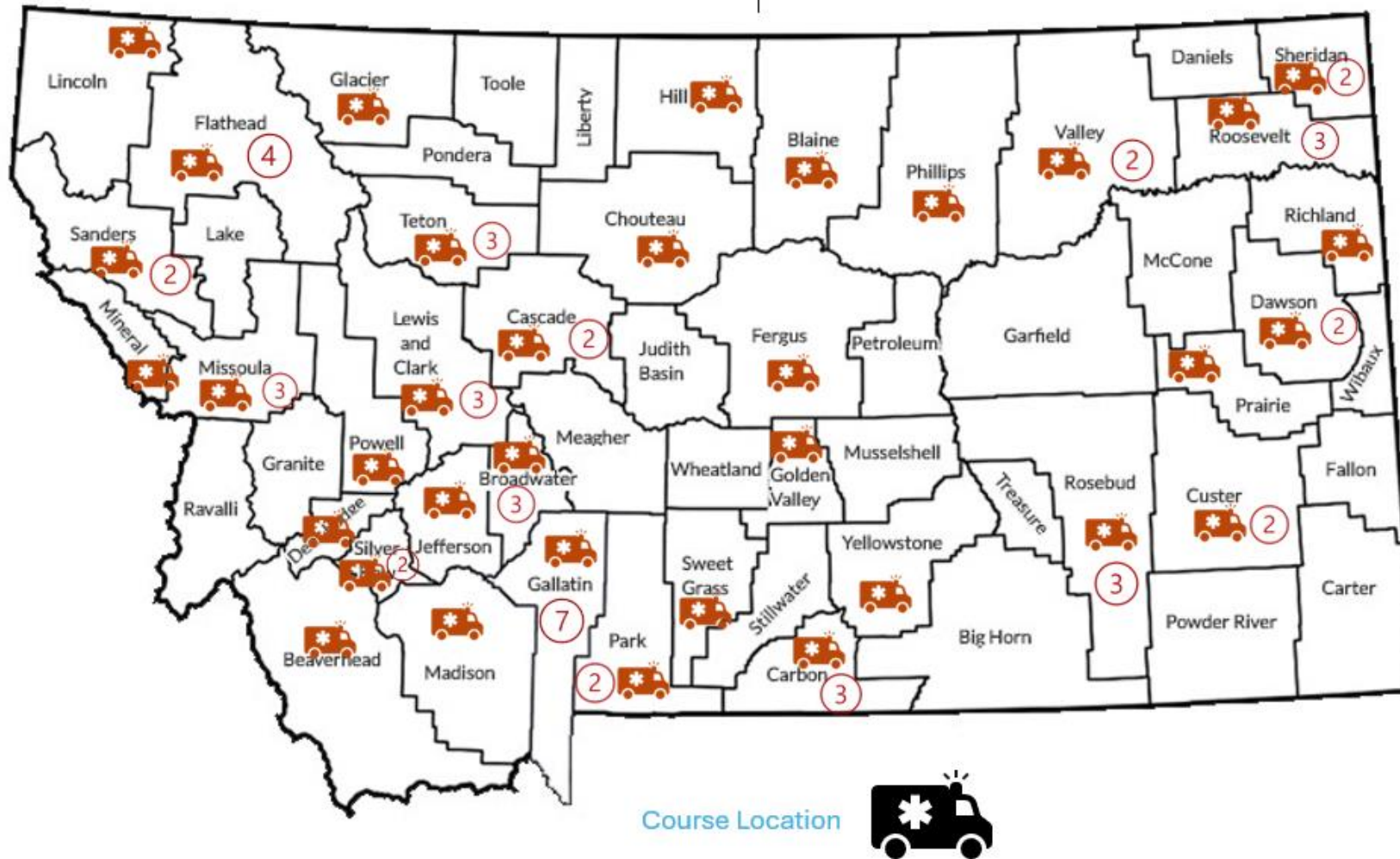


# Prehospital Trauma Life Support

- 16-hour trauma course
- Rapid identification and treatment of severe trauma
- Emphasizes short scene time (<10 minutes)
- Rapid extrication and transport
- Transport to closest appropriate facility
- Evidence based best practice treatment and transport



# PHTLS Course Location by County 2013-2024





# Course Logistics

- Course location scheduled by agency request
- SIM MT provided SIM Labs beginning in 2017
- DPHHS contracts with SIM MT to conduct courses
- EMS agency provides course location
- 2013 – 2022 courses were conducted by EMS&TS staff and PHTLS instructors from across Montana
- Challenges with instructor recruitment necessitated contracting with SIM MT



# Measure to Improve

## 2024 Performance Indicators

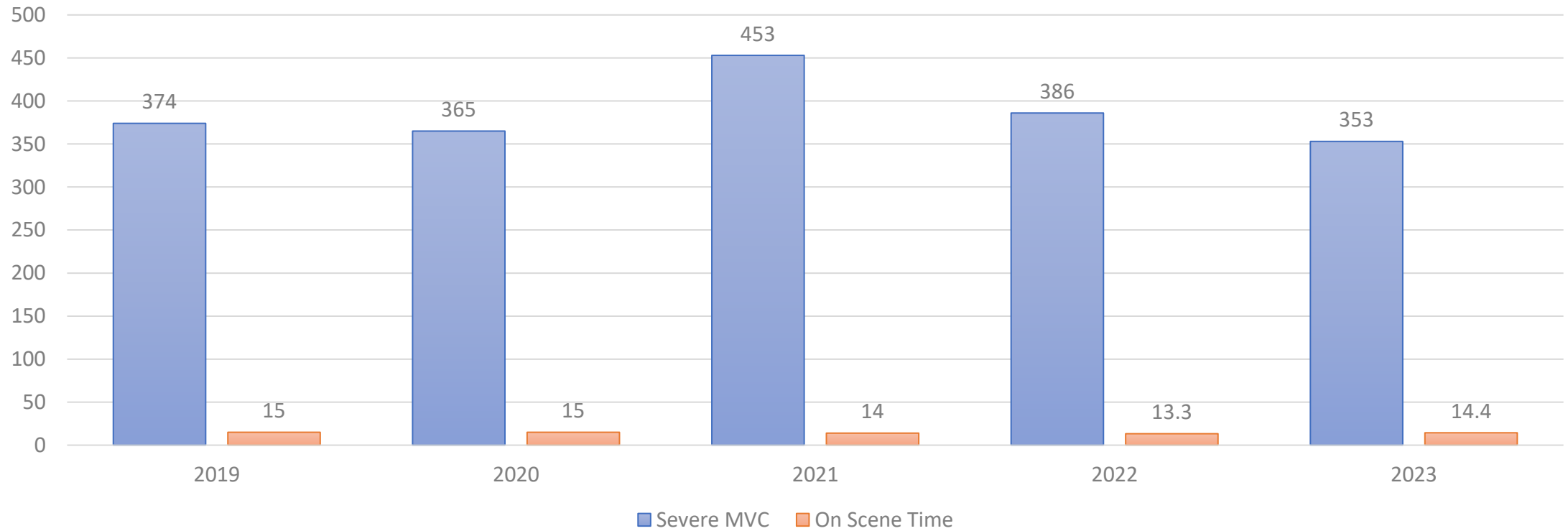
- Trauma Team Activation (TTA)
  - Any Patient Meeting Criteria
  - Pediatric patients <15 meeting criteria
  - Those >65 with a HR > SBP
  - Those >65 and GCS <13
- Complete Vital Signs
  - BP, HR, RR, SpO2, GCS
- Application of Supplemental Oxygen in Altered Patient (TBI)
- Crystalloid infusions < 2 L
- EMS Scene Time < 10 min (unless documented delay)





# Severe Motor Vehicle Crash

On Scene Time



# Measure to Improve

## Severe Trauma

QI Measure	MT		US	
	%	Denominator	%	Denominator
6.1- Severe Trauma: Total GCS Documented	93%	1,595	98%	223,136
6.2- Severe Trauma: HR Documented	97%	1,595	98%	223,136
6.3- Severe Trauma: RR Documented	90%	1,595	97%	223,136
6.4- Severe Trauma: SBP Documented	94%	1,595	96%	223,136
6.5- Severe Trauma: Oxygen Administration	24%	1,595	14%	223,136
6.6- Severe Trauma: On-scene Time <10 Minutes	18%	1,410	17%	187,159
6.7- Severe Trauma: Trauma Alert to Hospital	25%	1,410	18%	187,159

## Motor Vehicle Crash

QI Measure	MT		US	
	%	Denominator	%	Denominator
7.1- MVC: Location of Patient in Vehicle Documented	61%	2,202	49%	479,177
7.2- MVC: Occupant Safety Equipment Documented	59%	2,202	50%	479,177
7.3- MVC: Scene Location Documented	97%	2,202	95%	479,177
7.4- MVC: Scene GPS Documented	23%	2,202	54%	479,177





**Thank you for your continued support of EMS!**

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