

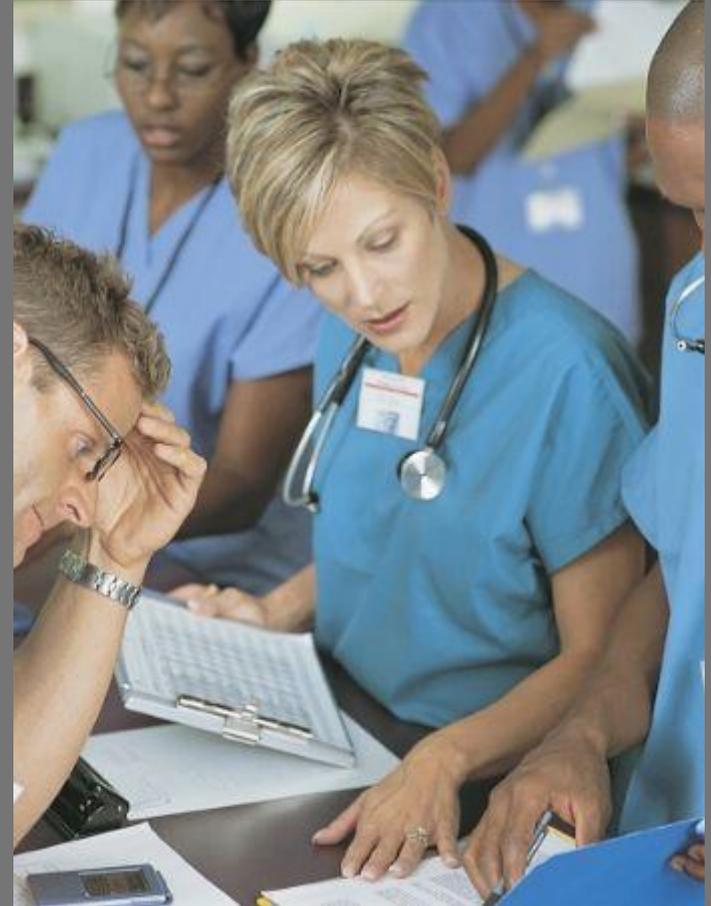


Simulation in Motion Montana

Bringing training equity to rural Montana to improve team performance and patient outcomes.

The Problem(s)

- Inequality between rural and urban areas in Montana with regard to access to quality training.
 - Smaller budgets
 - Fewer staff
 - Harder to travel for training
 - Burden on remaining staff with fewer to fill in



The Problem(s)

- Lack of call volume for high consequence events to keep skills current and fresh
- Emotional trauma leading to staff turnover
 - Lack of training access has higher consequences when you're likely to know your patient.
 - Staff retention depends on job satisfaction and good team dynamics.
- Aging population, especially among volunteer fire and EMS service providers





Enter SIM-MT

Simulation in Motion Montana (SIM-MT) started in 2015 through a unique partnership between DPHHS, Helmsley Charitable Trust, and the non-profit SIM-MT.

- To address the issues/problems
- To bring equity to rural areas
- To spread the word about new protocols and best practices
- To provide cutting edge, effective simulation training
- To partner with state agencies and groups to tackle funding challenges

SIM-MT's History

2015

DPHHS applies for a grant from Helmsley Charitable Trust to establish a mobile SIM program.

2015

Helmsley Charitable Trust funds the creation of three mobile labs and pays to secure high-fidelity simulation manikins.

2017

SIM-MT board of directors hires an outside vendor to run day-to-day operations and provide trainers.

2016-2017

2016

Simulation in Motion Montana (SIM-MT) is created to oversee the program, collect philanthropic donations, and work towards sustainability.

2017-2020

DPHHS covers the expenses of the drivers and all truck maintenance.

SIM-MT's History

2018

SIM-MT heads into the field for the first time to provide trainings to rural healthcare providers.

December 2020

SIM-MT takes over all expenses related to the trucks and the drivers as the administration changes at the state level.

2018-2019

2020-Present

March 2020

SIM-MT hires its first in-house staff, an Executive Director and a Development Director.

June 2021

SIM-MT parts ways with the outside contractor, continuing to serve rural EMS and critical care hospitals with an in-house team allowing full control of customer service and ability to adapt dynamically as needs change.

Where SIM-MT is today

Since 2018...

- 7144 learners across 11 medical professions
- Those participants could affect the health of over 1,197,341 Montana community residents.
- We trained in 101 different Montana communities across 50 of the 56 counties.
- 93 of the 101 communities were in rural areas across Montana. We also served an additional 13 communities in Idaho and Wyoming.

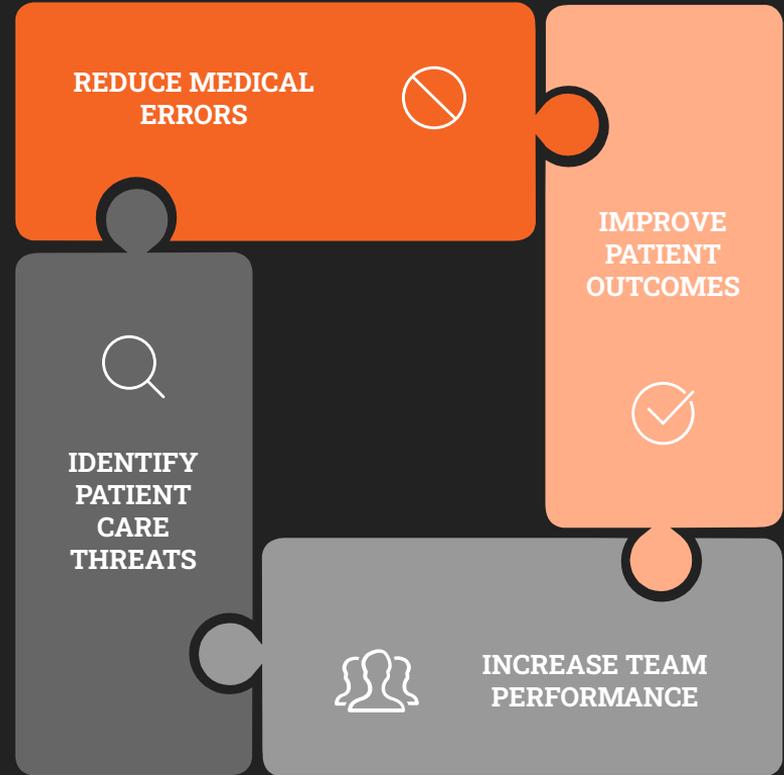


WHY SIMULATION?

Consider this...

- Approximately 400,000 people die in the United States each year from unnecessary medical errors.
- Three million people die worldwide each year from unnecessary medical errors.
- There were 240 million 911 calls in the United States last year.
- There were 130 million ER visits in the United States last year.

Simulation, like what is widely used in the aviation industry, is a proven method for training and retention. We create life-like medical events to train emergency medical teams in a safe environment, without risking lives.



The **High-fidelity** Difference

High-fidelity simulators are unique because they are incredibly lifelike. They breathe. They bleed. They talk. They give birth. They cry with tears. And they do all this dynamically; changing their responses based on the care they receive.

This makes them the closest to real life hands-on training, without involving a human patient.



Fun Fact:

Our pediatric simulator, Hal, has eyes that track you as you move around him and pupils that dilate when exposed to light. As he cries for his mom, he even sheds real tears.

- Increased staff confidence and retention
- Improved team performance
- Improved patient outcomes
- More healthcare stays local = economic improvement



**SIM-MT's
Impact on a
Community**

What people are saying

This is an open experience with fantastic instructors. As close to a real life experience as you can get. I would recommend this simulation to both new and experienced providers both. Learn something new or brush up on skills you may not use everyday. Fantastic experience!

Nick S. - Miles City, MT

Very well organized and realistic! I enjoyed the way the scenario unfolded and participants were left to work through each scenario in a real life way. The post scenario reviews were very helpful.

John P. - Three Forks Fire

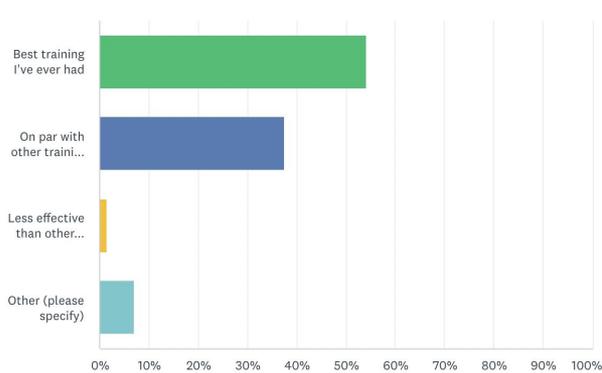
This course was phenomenal. I feel I learned a lot about myself and my own clinical skills. I feel more confident as a nurse. The instructors were encouraging and great educators!

Caitlyn B. - Prairie, MT

Survey Says!

How did the SIM-MT simulation training compare to other training you have participated in?

Answered: 72 Skipped: 0



“OTHER” responses:

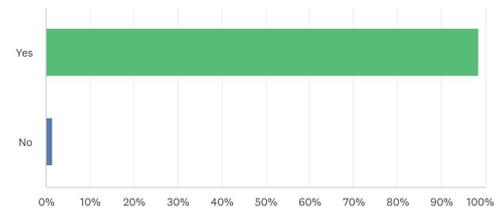
“This was a good training with people who understand what skills are necessary to have in the field. It was training I wasn’t familiar with before as I did not have this level of instruction in my courses.”

“Convenient as it comes to our location.”

“Interactive, hands on quality training.”

Would you like to participate in another SIM-MT simulation training experience?

Answered: 71 Skipped: 1



ANSWER CHOICES	RESPONSES
Yes	98.59% 70
No	1.41% 1
TOTAL	71

Survey Says!

“Using a telemetry machine/heart monitor; giving supplemental oxygen; using bulb suction on an infant; exchange of communication with team members and providers.”

“Better team communication during a trauma response.”

“Assessment skill lead to finding the issues sooner.”

“Taking time to fully assess the patient. It was discussed to take time and not rush the assessment, treatment, and expected result. The impact on the patient was better outcome, reduced stress in environment, and clear/ concise information given.”

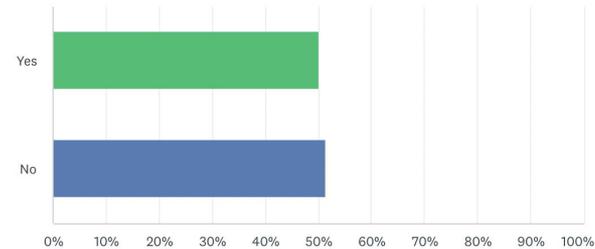
“Overdose recognition, patient survived.”

“EPIC - TBI (traumatic brain injury), as far as I know he recovered and went home a short time later.”

“Breath sounds. Helped identify an issue I may have missed.”

You have taken a SIM-MT training in the past. Have you used any of the skills practiced during that training in the field since then?

Answered: 72 Skipped: 0



ANSWER CHOICES	RESPONSES
Yes	50.00% 36
No	51.39% 37
Total Respondents: 72	



What we know for sure:

- Your odds of surviving a high impact medical event are greater when your local EMS system is strong.
- Rural EMS relies heavily on volunteers in Montana and draws from a small pool.
- Volunteerism and staff retention is at an all time low.
- Response times in many rural areas are at an all time high.
- These issues affect you and your family.

What we also know for sure:

- High-fidelity simulation training strengthens the state's medical industry, addressing all of the above and more.
- SIM-MT is the best simulation training program in the state.



SIM-MT...

- is mobile to address facilities' inability to travel; we go to them on site.
- was established as a non-profit to help facilities address their budget constraints.
- needs your help to close budget shortfalls for facilities across the state.

But there are barriers:

- Smaller staffs mean traveling to training is a challenge - **SOLVED! We're mobile!**
- Smaller facilities have smaller budgets; some have no training budget at all - **We need your help!**

Let's Put Our Heads Together

SIM-MT

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