

# Sudden Cardiac Arrest – A Community Health Problem Needing a Community Response

Confluence 2024: The Power of Possibility:  
Reimagining Public and Environmental Health in MT

April 1 -3



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**PUBLIC HEALTH &  
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# Disclosures - None

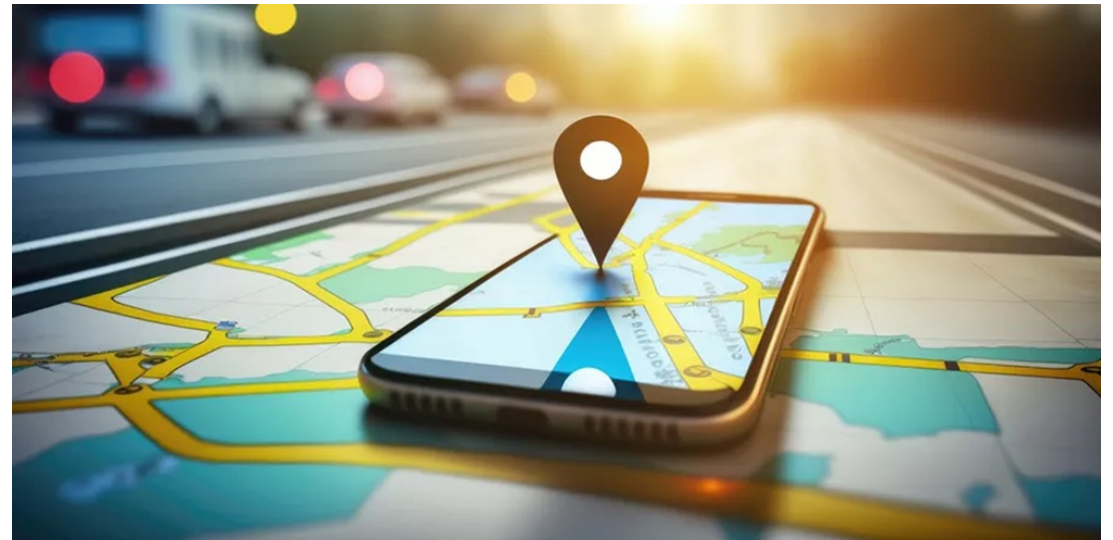


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# Who Owns the Issue

- EMS? Fire? Law Enforcement?
- Hospital?
- Public Health?
- Schools / Training Centers?
- Local Businesses?
- Volunteer Groups?
- Religious Organizations?

Everyone!



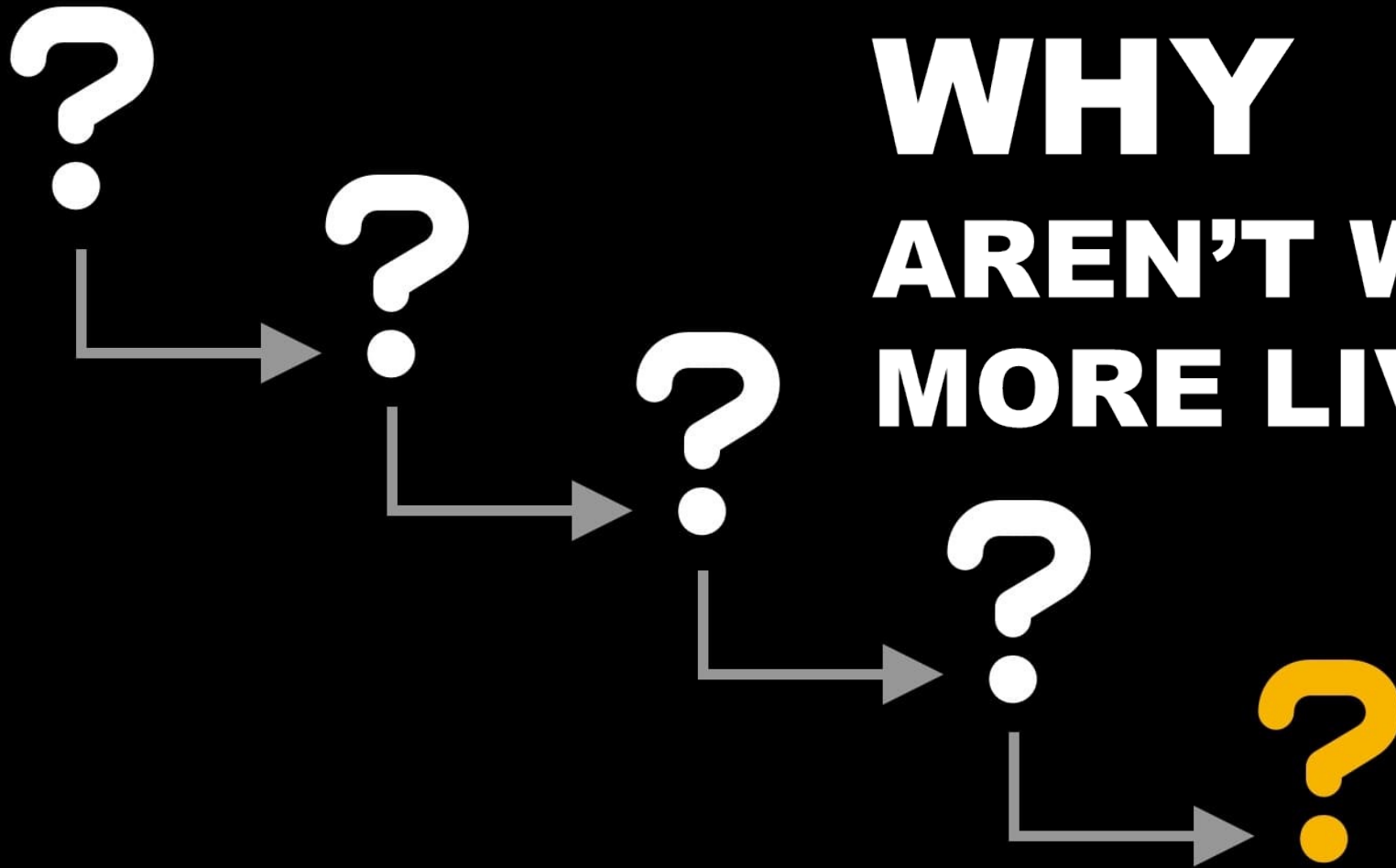
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Communities desire to improve survival from sudden cardiac arrest but are often daunted by the complexities associated with developing a plan to achieve improved outcomes following sudden cardiac arrest. This session will serve as an introduction to a framework for designing an effective community-based and collaborative approach to improving cardiac arrest survival.

# Ask "Why?"

## WHY

### AREN'T WE SAVING MORE LIVES?



True solution can  
be found here.

Simple  
and easy  
are not  
the same  
thing.





# The Institute of Medicine Recommendations

## **2015 IOM Report**

### **Strategies to Improve Cardiac Arrest Survival: A Time to Act Recommendations**

- 1. Establish a national cardiac arrest registry**
- 2. Foster a culture of action through public awareness and training**
- 3. Enhance the capabilities and performance of EMS systems**
- 4. Set national accreditation standards related to cardiac arrest**
- 5. Adopt continuous quality improvement programs**
- 6. Accelerate research and translation of science for cardiac arrest**
- 7. Accelerate research on the evaluation and adoption of therapies**
- 8. Create a national cardiac arrest collaborative**



# Plan Nationally and Implement Locally





# Core Community Strategies

## SIX CORE COMMUNITY STRATEGIES TO SUPPORT IOM RECOMMENDATIONS

1. Strengthen local stakeholder collaboration
2. Encourage data collection, analysis and dissemination
3. Facilitate implementation of lifesaving strategies
4. Promote public education and training
5. Improve delivery of high-quality resuscitation and post-arrest care
6. Enhance the impact of cardiac arrest therapies



# Collaboration: An Absolute Essential

**We can all achieve great things by virtue of own talent and intelligence. However, we can surpass ourselves and accomplish far more astounding things, when we have like-minded people by our side.**

Who Should We Collaborate With?



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## Essential elements needed for successful collaboration



CENTER FOR COMMUNITY HEALTH AND EVALUATION | [www.cche.org](http://www.cche.org)



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**13**

**TACTICS**

The word "TACTICS" is rendered in a large, bold, white sans-serif font with a thick black outline. To the left of the word is a red circle containing the white number "13". Behind the word is a large, circular, multi-colored swoosh composed of concentric bands of red, orange, and yellow. Above the swoosh is a bright green brushstroke. To the right of the swoosh is a purple wireframe structure resembling a roller coaster or a complex geometric design.

# High-Performing Team





# Measuring - Use of Data





# Citizen Training





# Recognizing Actions





# Empowering: Rescuer Mindset



# T-CPR and T-AED





# ERPs (EAPs) and Simulations

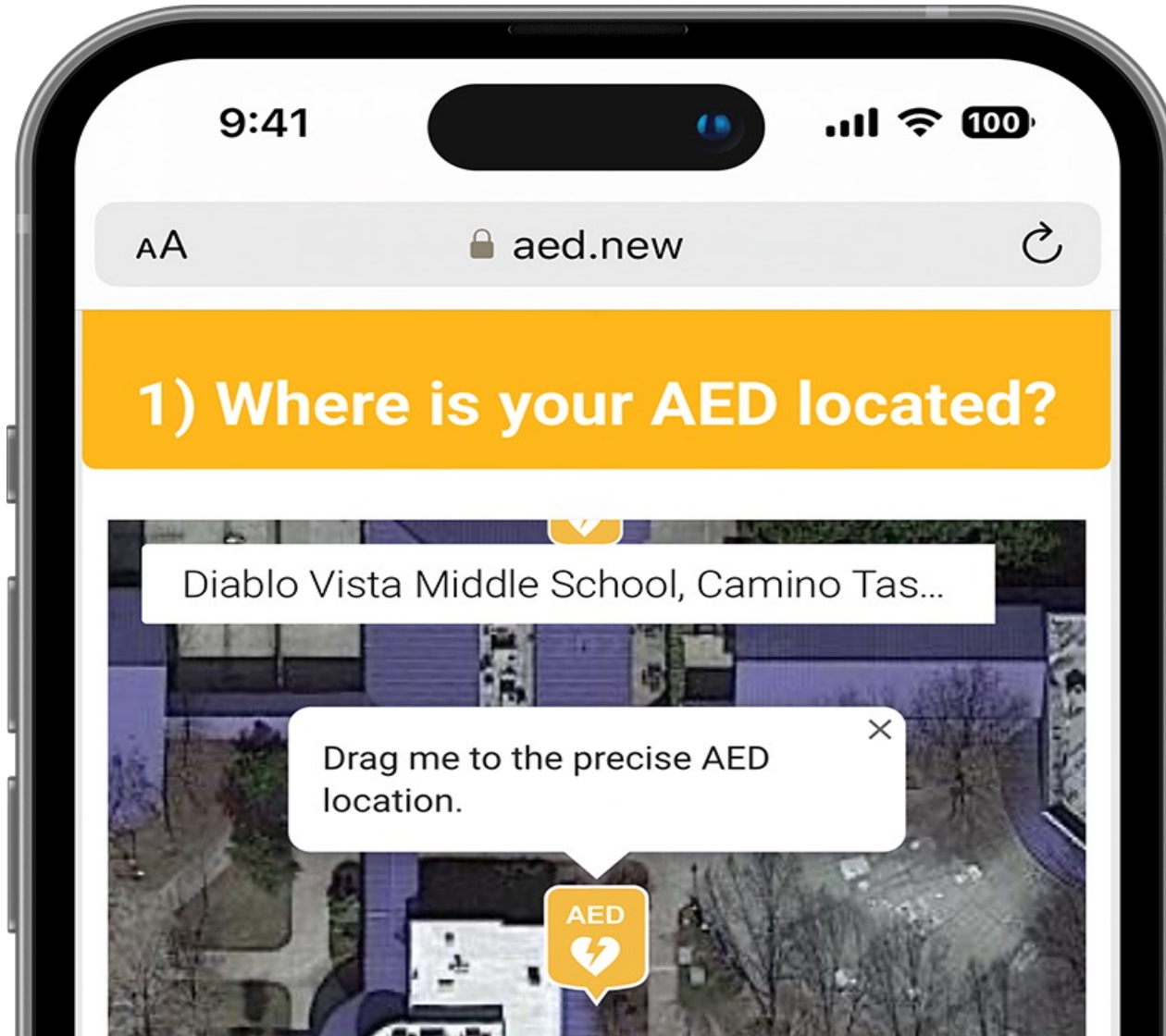


# Strategic Placement and 24/7 Access





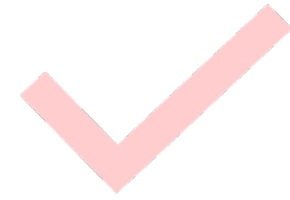
# 911 Integrated AED Registries



# First Responder Defibrillation



# High-Performance CPR



## The Evolution of Quality CPR

What Exactly IS High-Performance, Anyway?





# Quality Improvement and Public Reporting



## Montana EMS QI Report

### Montana & National Performance



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INJURY PREVENTION PROGRAM

#### Out-of-Hospital Cardiac Arrest

QI Measure	MT		US	
	%	Denominator	%	Denominator
3.1- OHCA: EMS Arrival to 1st CPR <2 Minutes	53%	78	22%	16,430
3.2- OHCA: Sustained ROSC (Unwitnessed)	1%	102	2%	32,627
3.3- OHCA: Sustained ROSC (Bystander Witnessed)	12%	126	8%	19,626
3.4- OHCA: Sustained ROSC (EMS Witnessed)	N/A		7%	5,462
3.5- OHCA: Initial Cardiac Rhythm Documented	97%	240	86%	59,913
3.6- OHCA: Cardiac Arrest Alert to Hospital	89%	63	23%	20,401



## CARES

Cardiac Arrest Registry  
to Enhance Survival

# Primary and Secondary Wellness and Prevention



- Disease prevention
- Early identification and treatment to delay disease progression
- Create a safety net for those who need rescue.





# CITIZEN CPR FOUNDATION

helping citizens and communities **save lives**

Building communities of  
heroes and survivors by  
improving action and  
response to cardiac arrest  
through training, preparation  
and response protocols.



**HEART**  
**SAFE**  
community



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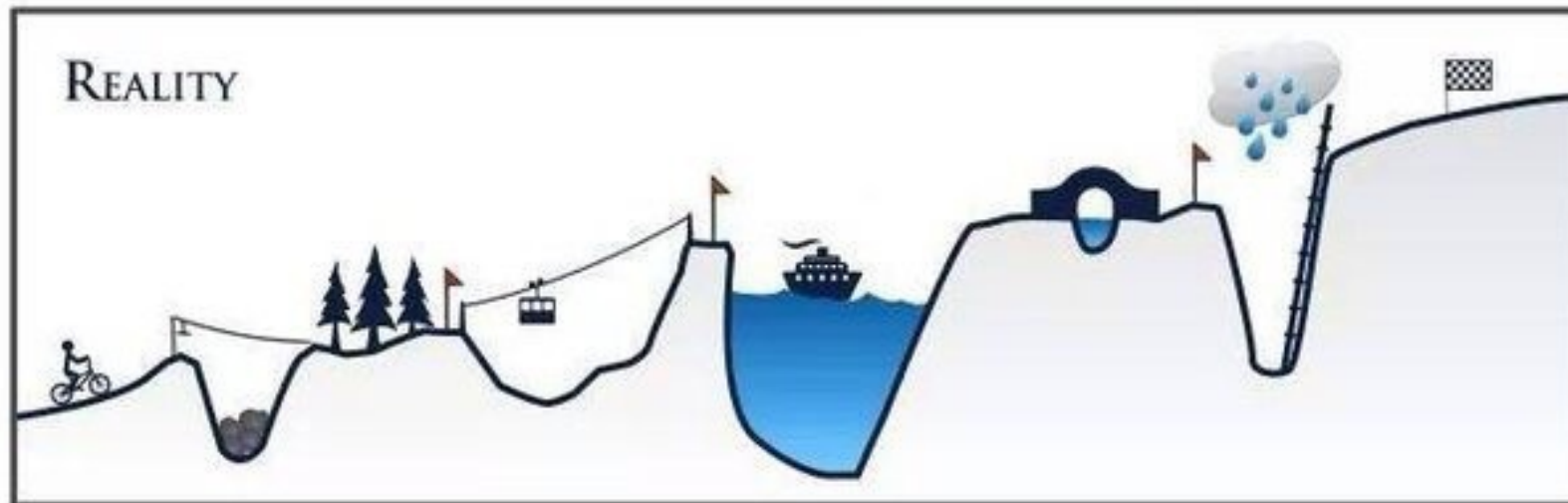
# Quick Start!



## Quick Start Guide to Implementation

- 1.** Become familiar with the HEARTSafe concept, strategies and tactics by watching the orientation video and review of the 13 action tactics outlined in the SELF-ASSESSMENT AND PROJECT PROGRESSION TRACKING AND SCORESHEET.
- 2.** Identify a lead agency and begin forming the membership for your task force. Start with core team members and recruit others on an as needed and ongoing basis.
- 3.** Establish the need and achieve buy-in for a culture of action related to sudden cardiac arrest through education aimed at community and other leaders.
- 4.** Conduct a baseline assessment in your community and document your findings.
- 5.** Establish measurable priority actions and tactics, based on data collected during your baseline assessment.
- 6.** Assign work to responsible teams with specific goals and suggested timelines for implementation.
- 7.** Meet regularly to assess measured progress and potential revision of actions and tactics.

# Implementation Challenges



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# Your Partners for Success



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# The Journey vs. Destination Designation



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# Questions?

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