



# MONTANA EMERGENCY MEDICAL SERVICES FOR CHILDREN (EMSC) & CHILD READY MT





## MT EMSC CONNECTION NEWSLETTER well hello **march** 2019

This issue has information on the: Brain Awareness Week; Brain Injury Alliance of MT; Fifth Disease?; Training Resources; EMS Agenda 2050! Answer trivia and get a SWAT-T for your Stop the Bleed Kit!

### Brain Injury Alliance of Montana

Formerly the Brain Injury Association of Montana, the Brain Injury Alliance of Montana was founded in 1985. **The Alliance’s mission is to promote brain injury prevention, research, education and advocacy.**

The Alliance’s goals include: to increase public awareness of the consequences of traumatic brain injury; to reduce the incidence of TBI through prevention education, and legislation; to provide information and resource services to people with TBI, their family members and TBI professionals; to develop and maintain statewide support groups; to assist in the development of rehabilitation programs from acute care to community living; and to raise funds to support TBI research and training. <https://www.brainline.org/children-tbi>

	<p><b>Moderate to Severe TBI</b></p> <p>Guidance on how to help children with moderate or severe brain injuries through rehabilitation and recovery.</p>
	<p><b>Raising a Child with TBI</b></p> <p>Raising a child with TBI can be a daunting job. How can you give your child the help that he or she needs while still maintaining some semblance of a normal life?</p>
	<p><b>School &amp; Education</b></p> <p>Whether a student with traumatic brain injury is in elementary school or in college, transitioning back to school post-injury can be difficult on many levels.</p>
	<p><b>Teens with TBI</b></p> <p>Adolescence is a tough enough time. What happens when a brain injury is added to the mix?</p>

<https://www.cdc.gov/headsup/schools/index.html>

## Free Concussion Training Course

Get prepared for the new season.

HEADS UP Concussion in Youth Sports is a free, online course available to coaches, parents, and others helping to keep athletes safe from concussion.

**Privacy Notice:** While CDC does not collect personally identifiable information (PII) during your visit to this site, you will, however, be asked to provide your e-mail address should you decide to register for the online training. Please note that is not necessary to register for the training in order to use this site; your registration is purely voluntary. Any information that you provide is fully protected; it is stored temporarily and used only for the online training registration purposes.



More



## WEBINAR: HOW TO PROVIDE EMS CARE FOR TRAUMATIC BRAIN INJURIES LIKE A PRO

Learn how prehospital providers can play a key role in determining the outcome of TBI patients

Traumatic Brain Injury (TBI) accounts for 2.5 million emergency department visits and over 50,000 deaths in the United States annually. There is growing evidence that the management of TBI in the early minutes after injury profoundly impacts the outcome. EMS providers operate in the ultra-acute setting, providing the first line of care for TBI victims when treatment may matter most. Thus, EMS professionals must know the key points of the National EMS TBI Guidelines: preventing hypotension, hypoxia, and hypocapnia in TBI patients.

**Register below to attend the free webinar**, presented by our subject matter expert on EMS TBI guidelines, Dr. Dan Spaite, who is the distinguished research chair of emergency medicine at the University of Arizona College Of Medicine. During this hour you will learn about:

- The pathophysiology of TBI
- The three "h bombs" of TBI
- The latest findings from the Excellence in Prehospital Injury Care (EPIC) project.

**MARCH 27 AT 12 P.M. ET FOR THE LIVE WEBINAR OR WATCH IT ON-DEMAND.**

<https://www.ems1.com/ems-products/online-training/articles/393448048-Webinar-How-to-provide-EMS-care-for-traumatic-brain-injuries-like-a-pro/>

## Maternal Mental Health & Wellness Conference

May 6, 2019 | 8 a.m. - 4:30 p.m. Providence St. Patrick Hospital - Missoula, Montana

### Up to 34% of moms report their births as traumatic

This could be the result of complications during birth which threaten the life or well-being of the mother or child, or a perceived threat to life or well-being based on a woman's personal history. One in three women in the United States has experienced some form of sexual violence in her lifetime, and these past traumas can frequently resurface a trigger a laboring woman.

Whether birth trauma is the result of circumstances occurring during labor or birth, or before, many women experience Post-Traumatic Stress Disorder after childbirth. This psychological state has serious and long-term effects on a woman's physical, mental, emotional and social well-being, impacts healthy child development and bonding, and relationship issues with her partner.

The St. Patrick Hospital Family Maternity Center brings to focus the important issue of Perinatal Trauma in our second annual Maternal Mental Health and Wellness Conference.

### Who should attend

This Conference is intended for doctors, nurses and clinical staff who work with the prenatal and pediatric populations, including family practice providers, OB's, midwives and pediatricians; and public and mental health professionals, ED staff, social workers, clinical therapists and educators.

<https://montana.providence.org/events/maternal-mental-health-conference>



## CULTURAL AWARENESS RESOURCE CORNER

### WHAT IS CULTURAL COMPETENCE IN HEALTH CARE?

Individual values, beliefs, and behaviors about health and well-being are shaped by various factors such as race, ethnicity, nationality, language, gender, socioeconomic status, physical and mental ability, sexual orientation, and occupation. **Cultural competence in health care is broadly defined as the ability of providers and organizations to understand and integrate these factors into the delivery and structure of the health care system.** The goal of culturally competent health care services is to provide the highest quality of care to every patient, regardless of race, ethnicity, cultural background, English proficiency or literacy.

### Some common strategies for improving the patient-provider interaction and institutionalizing changes in the health care system include:

1. Provide interpreter services
2. Recruit and retain minority staff
3. Provide training to increase cultural awareness, knowledge, and skills
4. Coordinate with traditional healers
5. Use community health workers
6. Incorporate culture-specific attitudes and values into health promotion tools
7. Include family and community members in health care decision making
8. Locate clinics in geographic areas that are easily accessible for certain populations
9. Expand hours of operation
10. Provide linguistic competency that extends beyond the clinical encounter to the appointment desk, advice lines, medical billing, and other written materials

## **HOSPITAL-BASED INCIDENT COMMAND SYSTEMS: SMALL & RURAL HOSPITALS**

**WEBINAR:** Free from ASPR TRACIE on March 12, 2019 1:00-2:30 pm ET.

Hospital based incident command systems have been used formally since the late 1970's as a way to manage incidents, coordinate resources and communications, and collaborate with community-based response agencies. Despite widespread use, there is little published information available on lessons learned, best practices, and real-world adaptation of these systems.

Click here for info and registration: <https://files.asprtracie.hhs.gov/documents/aspr-tracie-ics-small-rural-hospitals-webinar-announcement.pdf>

## **EMS AGENDA 2050 OFFICIALLY RELEASED**

After more than two years of stakeholder and public input, the Office of EMS at the National Highway Traffic Safety Administration and its federal partners today released “EMS Agenda 2050: A People-Centered Vision for the Future of Emergency Medical Services.” The document describes a vision for evidence-based, data-driven EMS that is integrated with the rest of the nation’s healthcare system.

EMS Agenda 2050’s people-centered vision is grounded in six guiding principles. The EMS system of the future should be:

- Inherently safe and effective
- Integrated and seamless
- Socially equitable
- Reliable and prepared
- Sustainable and efficient
- Adaptable and innovative

The principles and recommendations within EMS Agenda 2050 build upon, rather than replace, the groundbreaking EMS Agenda for the Future, originally published in 1996. The process to review and revise the original Agenda was first recommended by the National EMS Advisory Council, a formal federal advisory group of EMS representatives and consumers authorized by Congress to provide advice and recommendations regarding EMS to NHTSA and to the members of the Federal Interagency Committee on EMS.

Find more information many resources on the EMS Agenda 2050 page. <https://www.ems.gov/projects/ems-agenda-2050.html>

## **LATE BREAKING WEBINAR—**

### **The Future Starts Now: Implementation of EMS Agenda 2050**

Released earlier this year, EMS Agenda 2050 presents a compelling vision for a people-centered EMS system. But how do we turn that vision into a reality? It will take deliberate actions at every level, from individuals, agency leaders, elected officials, state regulators, national organizations and more. In this webinar, you will hear from some of the EMS leaders who were responsible for gathering input from across the profession and turning it into a cohesive vision. They will explain why the creation of EMS Agenda 2050 is just the beginning of the process and talk about how they plan to turn it into a reality.

In addition, the panelists will share:

- What they feel are the most important challenges in moving the EMS profession forward
- What people-centered EMS and the six guiding principles of EMS Agenda 2050 mean for EMS clinicians, EMS physicians, and local and state leaders
- How you can start implementing aspects of EMS Agenda 2050 in your own EMS practice and leadership today

**This important webinar, hosted by the NHTSA Office of EMS is scheduled for March 11, 2019 from 2-3 pm ET. REGISTER HERE.**

<https://register.gotowebinar.com/register/8704394149433818123?source=GovDelivery>



## Trauma Informed Care: Trauma Comes in Many Forms

A person's overall health can include a reflection of past childhood traumas or adverse childhood experiences (ACE) – things like emotional, physical or sexual abuse, violence, neglect, discrimination, poverty or exposure to other negative events. ACEs are much more common in the United States than many believe.

Sixty percent of American adults have at least one ACE. It is important to recognize that individuals who have been exposed to these types for trauma may respond to stress in unexpected ways. **They are also more often at risk for chronic diseases, behavioral issues and suicidal ideation. All caregivers must become more aware of the impact of ACEs on all and begin to modify interactions with patients by becoming "Trauma-Informed".**

The **Trauma-Informed Care Implementation Resource Center** was developed with support from the Robert Wood Johnson Foundation and provides many resources including a new, brief animated video, "What is Trauma-Informed Care?" In this video you meet Dr. Cruz, who addresses questions about the subject and shares what she has learned about caring for patients with exposure to trauma, including abuse, neglect, and violence. The Center website is full of resources to explain the topic, its principles and how organizational and policy changes may result in improved population health.

[https://www.traumainformedcare.chcs.org/video-what-is-trauma-informed-care/?utm\\_source=CHCS+Email+Updates&utm\\_campaign=e3c23e5cf3-ATC+Animated+Video+01%2F23%2F2019&utm\\_medium=email&utm\\_term=0\\_bbc451bf-e3c23e5cf3-157192445](https://www.traumainformedcare.chcs.org/video-what-is-trauma-informed-care/?utm_source=CHCS+Email+Updates&utm_campaign=e3c23e5cf3-ATC+Animated+Video+01%2F23%2F2019&utm_medium=email&utm_term=0_bbc451bf-e3c23e5cf3-157192445)

## National Quality Forum Seeks Public Input on Trauma Outcomes Draft Measurement Framework Report through March 5, 2019

In mid-2018 the National Quality Forum convened a Committee of Experts to conduct an environmental scan and to develop a conceptual framework to identify trauma measures and identify measurement gaps.

The Committee has developed a draft measurement framework which **includes pediatric measures**. It is open

for public comment through **March 5 at 6:00 pm ET**. The framework is intended to conceptualize measurement and identify gaps for population-based trauma outcomes.

Please find the [draft \(PDF\)](#) and a [link for submitting comments](#) on the [Trauma Outcomes Project Page](#).



NATIONAL  
QUALITY FORUM



## EMS World and NAEMT Announce that Nominations for 2019 National EMS Awards of Excellence are Open!

Recognize the very best in EMS. Nominate a colleague for the National EMS Awards of Excellence! **Now through June 30**, submit your nomination for the **2019 National EMS Awards of Excellence**. Award recipients receive a cash award, a travel grant and free registration to EMS World Expo in New Orleans, LA, and national recognition.

### Award categories are:

- **Paramedic of the Year**, sponsored by Nasco
- **EMT of the Year**, sponsored by Braun Industries
- **Educator of the Year**, sponsored by Jones & Bartlett Learning
- **EMS Medical Director of the Year**, sponsored by Bound Tree
- **Military Medic of the Year**, sponsored by North American Rescue

Find nomination forms and selection criteria by visiting this site. <https://www.naemt.org/initiatives/national-ems-awards>



**1-800-222-1222**

When accidents happen with chemicals, medicine, or household items, call Poison Help. Get help right away from a local poison expert.

If someone is unconscious or has trouble breathing, call 911.

## PARTICIPATING IN NATIONAL POISON PREVENTION WEEK

*National Poison Prevention Week* raises awareness of poison prevention nationwide during the **third full week of March every year. The week is an opportunity to highlight the dangers of poisonings for people of all ages and promote community involvement in poisoning prevention.**

### How to participate

- Contact your local poison center (**1-800-222-1222**) to find out what activities they may already be planning in your area and how you can help.
- Refer to the [National Poison Prevention Week Planner](#) (23 pages) (PDF - 548 KB) to learn how to plan and promote your events and activities.
- Consider asking other organizations to take up the cause with you (your poison center may have relationships with other local organizations that can help). With combined resources, you can reach a wider audience.

### Sample activities

Every activity – large or small – can make a difference. Here are a few simple activities that do not require large amounts of time or funding:

- Post general facts about poisoning and poison center resources on your Web site, and link to the to provide your community with additional information.
- Distribute poison facts to businesses, schools, and other community groups, and encourage them to share this information with others.
- Hold a brown bag lunch at work to educate coworkers and your employer about potential workplace poisoning risks.

## Montana Poison Center /YTD At a Glance

**1,137**

Calls Taken

**\$235k**

Healthcare  
Costs Saved

**65%**

Exposures  
Managed at Home

**53%**

Exposures Involving  
Kids 6 & Under

## WHAT IS FIFTH DISEASE?

Fifth disease is a viral disease that often results in a **red rash on the arms, legs, and cheeks**. For this reason, it's also known as "**slapped cheek disease**." It's fairly common and mild in most children, but it can be more severe for pregnant women or anyone with a compromised immune system. Most doctors advise people with fifth disease to wait out the symptoms. This is because there's currently no medication that'll shorten the course of the disease.

**What causes fifth disease?** - [Parvovirus B19](#) causes fifth disease. This airborne virus tends to spread through saliva and respiratory secretions among children who are in elementary school. It's [most prevalent](#) in the winter, spring, and early summer. However, it can spread at any time and among people of any age. Many adults have antibodies that prevent them from developing fifth disease because of previous exposure during childhood. However, when people do contract it as adults, the symptoms can be severe. If a woman gets fifth disease while pregnant, there are serious risks for the unborn baby, including life-threatening [anemia](#). For children with healthy immune systems, fifth disease is a common, mild illness that rarely presents lasting consequences.

**What are the symptoms of fifth disease?** Symptoms tend to appear 4 to 14 days after exposure to the virus. After a few days of having these symptoms, most young people develop a red [rash](#) that first appears on the cheeks. The rash often spreads to the arms, legs, and trunk of the body within a few days. The rash may last for weeks. However, by the time you see it, it is usually no longer contagious.

The initial symptoms of fifth disease are very general. They may resemble symptoms of the [flu](#). Symptoms often include: [headache](#); [fatigue](#); low-grade [fever](#); [sore throat](#); [nausea](#); [runny nose](#); and a [stuffy nose](#)



**How is fifth disease diagnosed?** Doctors can often make the diagnosis by simply looking at the rash. There are tests for specific antibodies if a person is likely to face serious consequences from fifth disease. This is especially true if a woman is pregnant or the person has a compromised immune system.

**How is fifth disease treated?** For most healthy people, no treatment is necessary. If joints hurt or the person has a headache or fever, then it may be advised to take [acetaminophen](#) (Tylenol) as needed to relieve these symptoms. Otherwise, wait for the body to fight off the virus. This usually takes one to three weeks. Drinking a lot of fluids and getting extra rest is advised.

Fifth disease has no long-term consequences for most healthy people. Once a person with an intact immune system has contracted this disease, they're considered immune for life.

## HOSPITAL PREPAREDNESS PROGRAM - HEALTHCARE COALITIONS -

The Montana Healthcare Coalition has undergone changes. The changes are to ensure compliance with guidance of the Assistant Secretary for Preparedness and Response (ASPR) funding Montana's hospital preparedness effort. The **Healthcare Coalition (HCC) is a network of health care agencies and facilities whose purpose is to reduce injury and the loss of life in the event of an emergency or disaster through coordinated emergency preparedness, response, and recovery efforts. Improving our ESF8 structure and processes.**






The HPP realigned from 3 regional coalitions into 4 Regional Health Care Coalitions (RHCCs). Ideal Structure of the RHCC:

The HPP are recruiting volunteers to serve in a leadership role for each of the 4 coalitions who represent Public Health, Hospitals, EMS, and Emergency Management.


- Additional representation from Nursing Homes, Surgery Centers, Health Centers, Clinics, Home Health, and Specialty Centers are encouraged.
- For EMS we are seeking two representatives in each region: One from an Urban County and one from a Frontier or Rural County.
- Selection of Committee members will be made from the pool of volunteers.
  
- Term of commitment: 2-year term
  
- Commitments for Training/Meetings:
  - 3 in-person meetings per year.
  - 2 conference call meetings per year.
  - Periodic email for discussion points.
  - **Travel costs are reimbursed.**
  
- The primary work to be accomplished:
  - Develop processes of support to facilities and agencies within the region.
  - Review and approve or disapprove preparedness-related grant requests from healthcare agencies within the designated Regional Health Care Coalition.
  - Assist in the coordination of resources through mutual aid to agencies and facilities in crisis.
  
- EMS Specific Activity
  - A bad day for any health care facility or community will involve EMS. Having EMS representation on these Regional Committees ensures there will be less surprises with our planning efforts to respond and recover.

Please contact Bryan Tavary at [bryan.tavary@mt.gov](mailto:bryan.tavary@mt.gov) or 444-3898 to find out more or to submit your name for consideration.

### What do Regional Healthcare Coalitions do?

<p>Create regional emergency preparedness, response, and recovery <b>PLANS</b></p> 	<p>Encourage <b>MUTUAL AID</b> between healthcare organizations. Provide representation, collaboration, and <b>NETWORKING</b></p> 	<p>Provide <b>GRANT</b> funding opportunities. Offer access to <b>RESOURCES</b></p>
 <p>Advise emergency management for <b>REGIONAL</b> disasters</p>	 <p>Create regional <b>EDUCATION</b> and <b>TRAINING</b> opportunities</p>	 <p>Distribute funding for regional <b>PREPAREDNESS</b> projects</p>

This data is based on 2017-2018 data when Montana had 3 RHCCs. Starting July 1, 2018, Montana moved to 4 RHCCs.





## 10 CES 2019 GADGETS FOR FORWARD-THINKING FIRST RESPONDERS

With new technology ranging from transportation to health monitoring, plenty of devices are being debuted that could make the lives of first responders much easier.



### CHRONOLIFE VEST

This cotton vest wants to predict your next heart attack before it's too late - CNET: Chronolife is a machine washable vest that claims to keep tabs on your vitals. France-based health tech company Chronolife has created a vest they say has the capability to predict the likelihood of a heart attack. The company says the cotton and Lycra vest measures six physiological stats to help monitor those diagnosed with chronic or congestive heart failure. It doesn't require internet connection or any charging, and its machine washable. The company hopes to receive FDA approval this summer.

### WITHINGS MOVE ECG

can measure electrocardiograms. It looks like a regular analog watch, but this fitness watch can measure electrocardiograms for a third of the price of an [Apple Watch S4](#). Achieve a reading by touching both sides of the watch's bezel for 30 seconds while wearing it. The data will be sent to an app on your phone. The watch is currently under review for FDA clearance and is expected to hit the market later this year.



### AERBETIC WEARABLE BLOOD SUGAR LEVEL TRACKER

---Wearable set - from wristband to belt clip - that help users manage their diabetes by detecting gases indicative of hypoglycemic and hyperglycemic episodes. The AerBetic was designed to change the lives of [diabetics](#) by using exhaled breath instead of pricking a finger. The device, which looks like a silver watch without a face, is targeted on "gasses indicative of high and low blood sugar events," according to AerBetic Co-founder and COO Eric Housh. "We're able to pair that with a companion app. The app can alert not only the patient ... but can also alert a network of caregivers," Housh added. The device will be available to purchase in late 2019.

### TRIVIA

Answer the trivia and win a SWAT-T (pediatric stop the bleed)- the first 3 to email answers to Robin -[rsuzor@mt.gov](mailto:rsuzor@mt.gov) **NOT** to the listserve.

1. What fifth disease?
2. What is one health awareness this month??



MONTANA  
EMS & TRAUMA  
SYSTEMS PROGRAM

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