



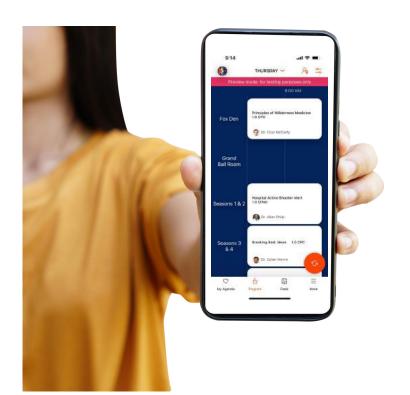
LIFEFLIGHT SOCIAL EVENT

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MUST BE 21 YEARS OR OLDER TO ATTEND





EMS UPDATE 2024 MOBILE APP

Scan the QR code below, install the Eventee app and add our event. Don't forget to add to your profile and start adding sessions to your personal agenda, view information on our speakers, exhibitors and sponsors and net-

work with attendees. This app is free and safe.





Support the PA EMS Provider Foundation by purchasing an EMS Update 2024 Challenge Coin

\$10 each and are available at the conference registration desk All proceeds benefit the PA EMS Provider Foundation

Welcome to EMS Update 2024

Conference registration kiosk is open

Thursday, March 21, 2024 6:45AM—3:30PM Friday, March 22, 2024 7:00AM—3:00PM Saturday, March 23, 2024 7:15AM—10:00AM NOTICE: Pictures and video will be taken during the conference. By registering for the conference, attending classes, events and activities and/or visiting the resort convention center and/or the exhibitors, you acknowledge that there is a possibility your picture, audio or video image may be taken and that the event organizers can use the photo, audio or video for marketing purposes and that you will not be entitled to any compensation for the photo, audio or video.

Participate in all three days of EMS Update and obtain your ITLS Basic certification!

EMS West has partnered with the UPMC Prehospital Care team to offer ITLS core curriculum in a more flexible manner. A number of sessions have the ITLS designation next to the title. Participate in these sessions and have a UPMC team member sign off at each session. Then, you will need to successfully complete the patient assessment practical exam and written assessment after the last class on Saturday March 23, 2024 with the UPMC Prehospital Care team.

There is a nominal fee for the exam and card. For more information, contact UPMC Prehospital Care.

5:30pm—7:00pm Wednesday March 20 Sunburst Forum

I Don't Know What To Do With My Hands! Todd Shipley | Munhall Police Richard Kaufman | EMS West



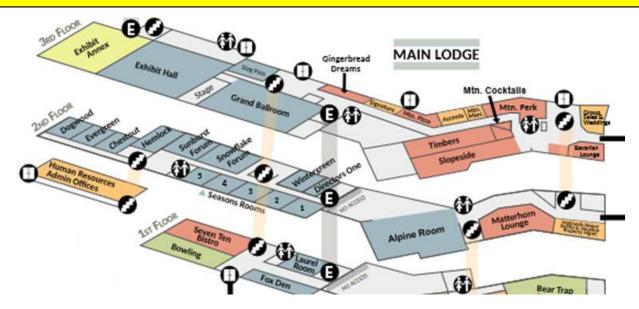
Police Officer (and paramedic) Todd Shipley, along with Richard Kaufman of EMS West will present the 3rd in a series on how Police and EMS must coexist. Reviewing situational awareness, proper safety of how to position yourself with uncooperative patients and bystanders. Along with key times of flight or fight situations. Officer Shipley will also present common and uncommon drugs that you may not see or recognize on a normal basis.

This session is free to everyone. You do not have to be registered for the conference.

HOW TO USE OUR QR CODES TO RECEIVE EMS CON-ED

On your smart phone—open your camera app and aim at QR code—DO NOT TAKE A PICTURE. A yellow box with a link will appear, click it and when prompted, enter your PA EMS certification number (no letters; just the numbers) and click submit.

If your phone will not allow for QR reading, please let the support team member in the classroom know and your certification number can be manually entered.



Thursday March 21 7:30am ● 8:30am

Fox Den	Seasons 1 & 2	Seasons 3 & 4	Sunburst	Wintergreen
Principles of Wilderness Medicine	Hospital Active Shooter Alert	Breaking Bad: News	TV and Resuscitation	Bashed, Bruised and Bloody
Dr. Cruz McCarty	Dr. Al Philp	Dr. Dylan Morris	Dr. Philip Nawrocki	Dr. Philip Walker
1.0 CPC	1.0 Other	1.0 CPC	1.0 CPC	1.0 CPC
As EMS providers you will routinely be expected to fill the role of team medic when on personal trips. This course will give you a better foundation for identifying potential pitfalls and taking care of a team involved in a wilderness rescue scenario. This session is appropriate for all EMS levels.	It's the worst fear of a provider in a hospital - an active shooter in the building. We'll discuss how to escalate to reach law enforcement, how to manage before they arrive, and how we should treat (and what our obligations are to the patients and families in the building. This session is appropriate for all EMS levels.	I share evidence based techniques to be more effective and confident in delivering bad news. I provide a structured approach which simplifies the delivery of bad news, makes patients and/or loved ones better prepared and able to accept the information and help to align treatments with values. This session is appropriate for all EMS levels.	Similar to previous years, Episode 3 will be reviewing scenes from popular TV shows and movies for medical accu- racy and quality of resuscita- tion care provided. The pa- thology, applicable state pro- tocols, and appropriate man- agement of these patients will be discussed. This session is appropriate for all EMS levels.	This lecture will cover the available methods and modalities to stop hemorrhage. It will also cover some new and emerging changes and technologies for hemorrhage control. This session is appropriate for all EMS levels.

Thursday March 21 8:45am ● 9:45am

Fox Den	Seasons 1 & 2	Seasons 3 & 4	Sunburst	Wintergreen
Did Trauma Cause That? ALOC	Demystifying End of Life Orders	Prehospital Rapid Research Review	Xylazine: What Does This Do?	Tricky Trauma Tropes
Dr. Adam Frisch	Dr. Dylan Morris	Dr. Philip Nawrocki	Dr. Anthony Pizon	Dr. Al Philp
1.0 CPC	1.0 CPC	1.0 CPC	1.0 CPC	1.0 CPC
It can be extremely difficult to differentiate between patients under the influence and those experiencing a medical and/or trauma emergency. We will discuss ways to help the EMS provider prepare differential diagnosis for these types of patients. This session is appropriate for all EMS levels.	Care at end of life is confusing and challenging. Many services, acronyms, designations and desires come together in myriad ways. This talk will help you sort out what these services are, what the various legal notations are, and how to best help your patients as their time gets short. This session is appropriate for all EMS levels.	This session will provide a rapid review of significant prehospital research articles from the 2020's. Come learn how to use the latest and greatest in prehospital research and innovation to improve the clinical care you deliver to your patients! This session is appropriate for all EMS levels.	Xylazine is a veterinary general anesthetic that is now commonly contaminated in illicit fentanyl. So what is xylazine and how does it contribute to an opioid overdose? What do medics need to know about xylazine? How does this effect our treatment of patients suffering from opioid addiction and withdrawal? This session is appropriate for all EMS levels.	The pace of trauma care is fast, and the science and best practices change just as quickly. We'll review prehospital trauma management, updates on traumatic arrests and high acuity cases in the field and ED, and how we tackle the really complex cases with multisystem injury. This session is appropriate for all EMS levels.

Thursday March 21 10:00am ● 11:00am

Fox Den	Seasons 1 & 2	Seasons 3 & 4	Sunburst	Wintergreen
MCI Preparedness— Let's All Work Together	Somebody's Watching Me!	Special Needs = Special Patients	Review of Most Com- monly Prescribed Medi- cation Classes	Trauma Is a Disease— What Can We Predict?
Zac Allan Mike Taramelli	Gene Giraulo Steve McKinniss	Dr. Michael Wholihan	Dr. Jaime Stetchock	Scott Dolan
1.0 Other	1.0 Other	1.0 CPC	1.0 CPC	1.0 CPC
This presentation explores the pivotal relationship between (EMS) and hospitals in the context of mass casualty incident (MCI) preparedness. With the objective of enhancing response efficiency and patient outcomes, this session delves into key collaboration strategies and their impact on managing MCIs effectively. The presentation aims to equip participants with actionable insights and best practices. This session is appropriate for all EMS levels.	Ever get on a scene and turn to see that someone is videoing you or photographing you? The year is 2024 and this is becoming a frequent happening. Is this a problem? A breach of privacy? HIPAA violation? Legal? We will discuss all of this and more, including some laws. This session is appropriate for all EMS levels.	Dispatch requests an EMS, PD and FD response to a special needs school. The lights, sirens, and strangers entering their environment creates over stimulation. How do you communicate? How do you deescalate the situation? What does EMS need to know to be better prepared onscene? Learn from firsthand experience the ways to not just respond but respond properly to these patients and their caregivers. This session is appropriate for all EMS levels.	Chronic medications prescribed for mood, seizures, blood pressure, heart failure, and diabetes will be discussed. Unfortunately, side effects and overdose symptoms may occur even at prescribed dosing. This presentation will discuss adverse effects that are common and may lead to the need of your medical services. This session is appropriate for all EMS levels.	In this lecture we will discuss the basis of traumatic injury. We will address the mechanisms of trauma, learn how to predict injury patterns, keep the responder safe on scene and first priorities when treating trauma patients. This session is appropriate for all EMS levels.

Thursday March 21 11:15am ● 12:15pm/12:30pm

Fox Den	Seasons 1 & 2	Seasons 3 & 4	Sunburst	Wintergreen
Prehospital Burn Management	The Times They Are A Changin': Aging In and Out of EMS	How to Recognize and Manage Burnout	Sepsis Recognition and Management	12 Lead Interpretation Basic to Advanced
Dr. Ariel Aballay Frank Phillips	Gene Giraulo Steve McKinniss	Dr. Al Philp	Dr. Tyler McCardell	Justin Beal
1.5 CPC	1.0 Other	1.0 Other	1.0 CPC	1.5 CPC
THIS CLASS WILL END AT 12:30PM Burn injuries are usually low frequency calls for us. We review anatomy and physiolo- gy, current treatments and an understanding of what Burn Centers can do for your pa- tients. This session is appropri- ate for all EMS levels.	We as a generation of EMS providers move into the "next phase" of their lives, this presentation will provide real life experiences as us as providers "mature" (or just got older) and progress toward the end of our careers. This session is appropriate for all EMS levels.	Medicine keeps getting more complex and demanding, and the number of providers seems to keep getting smaller. How can we identify burnout (compassion fatigue) in ourselves and our partners, and more importantly how can we prevent or reverse it? This session is appropriate for all EMS levels.	EMS providers routinely encounter patients with infection, but how should these patients be classified and treated? We explore the spectrum of sepsis, including SIRS criteria and review strategies to better recognize and treat early warning signs of sepsis in the prehospital environment. This session is appropriate for all EMS levels.	THIS CLASS WILL END AT 12:30PM Starting from the basics of anatomy of cardiology and moving into advanced concepts of 12-lead interpretation. We will spend about 90 minutes breaking down commonly seen EKG changes all the way to advance changes. This session is appropriate for all EMS levels.

Thursday March 21 1:30pm ● 2:30pm

Fox Den	Seasons 1 & 2	Seasons 3 & 4	Sunburst	Wintergreen
Catch A Speeding Bullet: One Pill Can Kill	Optimization of the Trauma System: Best Possible Outcomes	Cold and Heat Emer- gencies	Sex, Drugs, Rock 'n' Roll: Eventful Medicine	Your Patient has Trenchfoot? Seriously?
Tara Hobeck	Mike Taramelli	Dr. Philip Walker	Dr. Jacob Cihla	Jeff Reeser
1.0 CPC	1.0 CPC	1.0 CPC	1.0 CPC	1.0 CPC
This program will talk about the One Pill Can Kill substances in pediatric patients. We also talk about liquids that can be just as dangerous. There will be a review of the different signs and symptoms that the substances can cause, as well as treatment while enroute. This program will also talk about how the poison center can help the EMS crews with the patients while on scene and during transport. This session is appropriate for all EMS levels.	Severely injured trauma patients need concise, coordinated and timely care to achieve optimal outcomes. As crucial members of the trauma system, prehospital providers are essential in the outcomes of the severely injured trauma patient. This session will provide strategies for prehospital providers to achieve the best possible outcomes for the severely injured trauma patients. This session is appropriate for all EMS levels.	This presentation will cover the recognition and management of environmental emergencies caused by the cold as well as the heat, including hypothermia, frostbite, and heat stroke. This session is appropriate for all EMS levels.	A three-day musical festival, a triathlon, the Annual Eagle River Ice Fishing Jamboree and Vintage Snowmobile Race all sound like a great way to spend a weekend, but what do you to when people get sick, injured, or partake in too much "fun"? Learn about the planning that goes into events of various sizes, the expected medical scenarios, and how we ensure those participants have the resources available should an emergency arise. This session is appropriate for all EMS levels.	The presentation will spotlight trenchfoot's resurgence as a major concern in modern EMS, notably in urban search and rescue, homeless populations, and disaster response. It will cover trenchfoot's historical context, pathophysiology, risk factors, and practical prevention, recognition, and management strategies in the field.

Thursday March 21 2:45pm ● 3:45pm

Fox Den	Seasons 1 & 2	Seasons 3 & 4	Sunburst	Wintergreen
What Did You Take?	When The Fundal Massage Fails	Getting Back on Your Bike After You Fall Off	What Do You Mean the Trach Fell Out?	How To Recognize and Manage Seizures
Tara Hobeck	Jonathon Jenkins	Brian Maloney	Dr. Matthew Lovell	Dr. Philip Walker
1.0 CPC	1.0 CPC	1.0 Other	1.0 CPC	1.0 CPC
Your patient tells you they did not take any medications and then rattles off a full list to the triage nurse. We review the signs and symptoms for certain toxidromes and how to treat them in the ambulance. We also will spend time on different methods to figure out what the patient took at home. This session is appropriate for all EMS levels.	In emergency medicine we spend a large amount of time discussing obstetrical emergencies. But when was the last time we spoke about how to take care of mom after the baby is born? What if she hemorrhages? Are you prepared? This course will utilize a real case to discuss the intricacies of prehospital postpartum hemorrhage management. This session is appropriate for all EMS levels.	You've heard the phrase many times that you should get right back on your bike after you fall off. What happens when you can't? This is a story of my journey with PTSD, the challenges I faced both personally and in work, and how it has changed my life. This session is appropriate for all EMS levels.	Tracheostomy problems can be scary stuff! In this session we will try to simplify the approach to troubleshooting Trach problems in the Prehospital setting. We will also review how to identify the difficult airway and go over how to address This session is appropriate for all EMS levels.	This lecture will cover the recognition of different types of seizures and their subtleties, as well as what you can do to treat and manage these patients. Will also cover some alternative treatments of seizures other than standard management. This session is appropriate for all EMS levels.

Thursday March 21 4:00pm ● 5:15pm KEYSTONE PRESENTATION Grand Ball Room The Tip Jar Culture Gregory Offner, Jr.

Gregory Offner is an author, workforce strategist, and award-winning keynote speaker. He is the founding partner of the Global Performance Institute, a boutique consulting firm supporting organizations and executives seeking to get the most out of their workforce. Gregory previously held leadership roles in the outsourced services and risk management industries, developing future leaders and advising some of the most recognizable names in business. For more, visit www.gregoryoffner.com.

These days it seems like employee entitlement is at an all-time high, while engagement is at an all-time low. But what most leaders see as problems with workforce culture are actually just symptoms of the real problem.



In this unforgettable keynote former dueling pianist and award winning speaker Gregory Offner will demonstrate three principles of engagement—found in a piano bar—then discuss the strategies and stories of organizations who've applied these principles to business with phenomenal results. Attendees will leave inspired, entertained, and equipped to put these principles into action, and create a Tip Jar Culture™ of their own.

1.0 Other Con-Ed

Thursday March 21 5:15pm ● 6:45pm Exhibitor & Student Reception in Seven Springs' Exhibit Hall.

This is your first opportunity to experience the Exhibits! Experience that latest equipment and supplies and visit with representatives from organizations, schools, companies and health care facilities and find out what's new.

We'll have light food and beverages set up throughout Exhibit Hall so you can do a first visit with our exhibitors and network with our speakers and providers from across Pennsylvania.

You will also have the opportunity to meet EMS West staff, out of the office and in a relaxed, fun environment.



Pennsylvania Department of Health Bureau of EMS Guidelines include: Doors to each session close fifteen (15) minutes after the presentation begins. While you may still gain admittance to the room, you will NOT be eligible to receive continuing education credit if you arrive 15 minutes after the scheduled start of the session. If you leave a session for longer than five (5) minutes, you will NOT receive continuing education credit for that session.

Sessions are open to all, however seating is limited because of room size. Plan ahead to avoid being shut out of a lecture you really want to hear as the doors to these rooms will be closed when maximum room capacity is reached. You may have to sit next to someone you do not know or sit in the front row of the classroom. Plan accordingly.

In deciding which lectures to attend, consider your personal as well as your agency needs. Groups in attendance may want to divide up so that someone is in each lecture offered rather than all sitting together in one lecture session.

Great big thank you to the EMS Update 2024 support team for all of their hard work at the registration area and in each con-ed session. Our team members are identifiable by their red polo shirts - they can help answer any questions you may have about EMS Update 2024!

Tell 'em thanks if you get a chance!

CONTINUING EDUCATION INFORMATION

You must complete all of the requirements in each class to receive credit. Your CEU will automatically be applied to your PA certification/recognition. Complete information on each session is available at the conference website, www.emsupdate.com. EMS con-ed in Pennsylvania is divided into three categories: clinical patient care (CPC), EMS vehicle operator (EMSVO) or other (O). Course listings reflect these designations.

You can, with careful planning, obtain 20 PA EMS CEUs at EMS Update 2024.

In some instances, continuing education titles on your continuing education status report may differ from the titles listed in this guide because the title of the course was changed by faculty since the awarding of continuing education credits by the PA Department of Health Bureau of EMS.

Disclaimer from PA DOH BEMS: Courses have been approved by the PA DOH BEMS with the understanding that all PA EMS Providers must adhere to drugs and equipment approved for BLS & ALS EMS Providers and EMS Agencies, in accordance with PA Statewide BLS & ALS Protocols and PA EMS Scope of Practice for which they have been trained and/or recognized by their PA EMS Medical Director.

Please refrain from smoking cigars, cigarettes, e-cigarettes, and/or any other smoke/vapor producing items in all public areas of the resort (including conference registration, class rooms, meeting rooms, Exhibit Hall, Grand Ball Room, and dining establishments).

Alcohol is not permitted in class rooms, meeting rooms, or the Grand Ball Room.

Please turn off, or silence, any noise producing items while classes are in session (phones, radios, pagers, etc...). Do not bring young children to the sessions.

Video/audio recording of classes/faculty is prohibited without consent of faculty member and EMS Update 2024 management.

Please refer to Seven Springs regarding their pet policy in restaurants and public spaces.

Educational costs are underwritten in part thanks to Pennsylvania's Rural EMS Education Funds.

Seven Springs is now a CASHLESS facility.

Friday March 22 8:00am ● 9:30am

KEYNOTE PRESENTATION

Grand Ball Room

Presented By

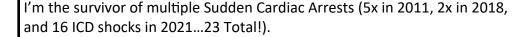


EMS Saved Me: Now What?

Robert Hoadley

On April 1, 2011, I suffered a sudden cardiac arrest at work. I was 41-years-old and was training to join the U.S. Navy Reserves and in possibly the best physical condition of the last 20 years when, without warning, my heart stopped. I collapsed. I remained unresponsive for over six minutes.... no movement, no breathing, no pulse.

Due to the number of times my heart had stopped (five total that day) and the amount of time I was not breathing, one of the physicians asked my wife to say "Goodbye." As my wife entered the room, my wife broke down, but like something out of a Lifetime special, beep...beep...my heart started to beat!





Join me as I tell you my story and share with you a message of resilience, strength, vulnerability, and yes... survival.

1.0 Other Con-Ed

Friday March 22 9:30am ● 4:00pm

Join us immediately after our Keynote Session on Friday, March 22 as we open one of the largest free admission EMS exhibitions in Pennsylvania.

Presenting over 16,000 square feet of EMS, & public safety equipment, products and services.

Exhibit Hall is open Friday, March 22, until 4:00 p.m.

There is no fee to enter Exhibit Hall and EMS, fire, rescue, dispatch, police, haz-mat, hospital and all public safety providers are encouraged to bring their families and shop for your needed supplies and equipment.

Attend the Keynote session on Friday & receive priority admission into Exhibit Hall

Friday March 22 10:15am ● 10:45am

Fox Den	Seasons 1 & 2	Seasons 3 & 4	Sunburst	Wintergreen
	Managing Pediatric SVT	Does That Seat Go There?	De-Escalating the Agi- tated Patient	
	Dr. Elif Soysal	David McWiliams	Dr. Rebecca Greenstein	
	0.5 CPC	0.5 CPC	0.5 CPC	
	SVT is the most common pediatric dysrhythmia that we see in the ED after sinus tachycardia. But sometimes, in very young children and infants, it can be hard to distinguish the two. This lecture aims to teach EMS providers how to recognize signs of SVT and management strategies, both for unstable and stable SVT. This session is appropriate for all EMS levels.	My daughter will be upset if you put her in that pedi-mate, can't I just hold her? Now that is a question we hear frequently when transporting pediatrics. Also, have you actually every used a pedimate? In this class we will cover that and the other challenges of pediatric transport. This session is appropriate for all EMS levels.	The agitated or intoxicated patient is a frequent encounter for prehospital providers. While sometimes these encounters require chemical sedation, the first line management of these patients is often verbal de-scalation. This presentation will review various de-escalation techniques and practices along with methods to ensure provider and patient safety. This session is appropriate for all EMS levels.	

Friday March 22 11:00am • 12:00pm/12:30pm

Fox Den	Seasons 1 & 2	Seasons 3 & 4	Sunburst	Wintergreen
Birthin' Babies: Explor- ing OB and GYN Emer- gencies	Things You Probably Know but Should Think About, Share and Use!	Burn Emergencies: When to Choose a Burn Center	ANS, Cranial Nerves, and Other Scary Places	Plumbing: It's All About the Pipes
Dr. Rickquel Tripp	David Lindell	Dr. Jenny Ziembicki	William Miller	Dr. Peter Allen
1.0 CPC	1.0 Other	1.0 CPC	1.5 CPC	1.0 CPC
THIS CLASS WILL END AT 12:30PM Learning about normal birth delivery and how to deal with perinatal and postpartum complications. Understanding the up-to-date treatments and recommendations for preeclampsia, eclampsia, peri- mortem C-sections, and more. This session is appropriate for all EMS levels.	Using personal reflections and anecdotes from over 50 years of first hand experience working in the prehospital profession this program will share insights on diversity, professionalism, empathy, belonging and what is important providing for those who come into our care. This session is appropriate for all EMS levels.	Burn patients are a unique group of patients for the pre hospital care provide - no two are ever alike. This lecture will discuss the burn patients who needs to go directly to a burn center and their management of the airway, breathing and circulation. This session is appropriate for all EMS levels. THIS SESSION CHANGED DATE & TIME AT THE REQUEST OF THE SPEAKER AND UPMC	THIS CLASS WILL END AT 12:30PM There's more to a neuro exam than asking the patient who they are, where they are, what happened to them, and who the President is. We review some of the finer points of assessing for neuro system injuries and illness, and explain the autonomic nervous system, cranial nerves, and some of the other strange signs and symptoms we may come across and what they mean. This session is appropriate for all EMS levels.	Don't get distracted by the injuries! As we know, some injuries can look much worse then they are. In this lecture, we will learn how to recognize the life threats and how to quickly manage them. Applying a tourniquet hurts, but its more important to control the bleeding. This session is appropriate for all EMS levels

Friday March 22 1:15pm ● 2:15pm

Fox Den	Seasons 1 & 2	Seasons 3 & 4	Sunburst	Wintergreen
The Anatomy of a Pedi- atric Airway	Turning Blue, What Do You Do?	Statewide EMS Protocol Development—Process to Protocol	The Backbone of Trau- ma	Neonatal Resuscitation the Golden Hour
Dr. Veronica Renov	Dr. Lindsay Ercole	Dr. Daniel Bledsoe	Dr. Vince Mosesso	Dr. Elif Soysal
1.0 CPC	1.0 CPC	1.0 Other	1.0 CPC	1.0 CPC
An airway is not an airway. They vary from person to person. Most importantly they vary greatly based on age. In this lecture we will review one of the most difficult airways to manage. That of the pediatric patient. We will review ways to create better success when managing an airway in a pedi- atric patient. This session is appropriate for all EMS levels; geared to ALS providers.	Many infants get sick during that first year of life - when should we as providers worry? Worried parents are stressful, and sick infants are even more stressful! Let's break down when to worry, why we worry, and what to do next! This session is appropriate for all EMS levels.	We will the process of updating the Commonwealth's EMS protocols, reviewing the many data sources that contribute to the protocols, how the input of EMS providers, evidence from the latest research, educational standards and system and logistical factors all go into the finished product. We will touch on the National EMS Clinical Guidelines, EMS COMPACT and National EMS Scope of Practice Model. This session is appropriate for all EMS levels.	Are they vomiting from the alcohol or is it the TBI? Differentiating between a possible life-threatening head injury and the confusion from alcohol is important. In this lecture we will cover those signs and symptoms and many others involving both the head and spine. This session is appropriate for all EMS levels.	With increasing number of home deliveries around the United States, being able to identify and manage distress in a newborn is an essential EMS skill. This session will aim to teach attendees how to evaluate a newborn and recognize signs of distress and perform basic neonatal resuscitation. This session is appropriate for all EMS levels.

Friday March 22 2:30pm ● 3:30pm

Fox Den	Seasons 1 & 2	Seasons 3 & 4	Sunburst	Wintergreen
Death of the Brain: Pre- hospital Stroke Care	Adverse Drug Reac- tions: Beyond Anaphy- laxis	Memes & Medicine	Almost Everything I Taught You is Now Wrong!	Trauma Airway Management
Dr. Nirav Bhatt	Anna Meyer Eric Toledo	Dr. Tyler McCardell	Dr. Ron Roth	Dr. Christian Martin-Gill
1.0 CPC	1.0 CPC	1.0 CPC	1.0 CPC	1.0 CPC
Brain cells during a stroke die relatively violently by going into necrosis and causing inflammation. This can happen in less than five minutes. During this lecture we will touch on the importance of stroke recognition and the time of transport to appropriate facility. This session is appropriate for all EMS levels. THIS SESSION CHANGED DATE & TIME AT THE REQUEST OF THE SPEAKER AND UPMC	We present a medically complex, 58-year-old woman suffering from a severe, drug hypersensitivity reaction comorbid with rapidly progressive ALS. Management includes early recognition and prompt cessation of the offending agent. We should be vigilant in gathering detailed patient history, conducting a thorough physical examination, and considering early and aggressive interventions. This session is appropriate for all EMS levels.	Scrolling through Reddit, Facebook, or Twitter on down time during a shift is a great way to decompress from our otherwise stressful jobs, but we can also find important learning points beneath the surface of humorous content. This session will select several EMS or medically related memes found online then review evidence-based practice and protocols that support (or maybe refute) the punchline. This session is appropriate for all EMS provider levels.	In the early years, the accepted educational model was to teach just what you needed to know. Most would eventually be retracted leaving many providers saying (or thinking) "first you tell us to do something and then you tell us not to do something." So for all of you that attended one of my anaphylaxis lectures and are still giving 50mg of benadryl and steroids to patients, let's rethink that and a few other things. This session is appropriate for all EMS levels.	This session will review key principles of trauma airway management and ventilation. Case-based examples including videos of real airway management will enhance review of these key principles. This session is appropriate for all EMS levels.

Friday March 22 4:00pm ● 5:00pm

Fox Den	Seasons 1 & 2	Seasons 3 & 4	Sunburst	Wintergreen
Wilderness Medicine — Orthopedic Splinting and Evacuation	Global EMS: How Location Makes a Difference	This is How We Roll: Preventing Ambulance Rollover Incidents	The Essentials of Pedi- atric Trauma	Exertion Related Illness and Injuries in Athletes
Dr. Ryan McLoughlin	Natalie Schwarzwalder Isabel Munoz	Justin Eberly	Dr. Sylvia Owusu-Ansah	Dr. John Detherage, III
1.0 CPC	1.0 Other	1.0 EMSVO	1.0 CPC	1.0 CPC
Come learn about strategies and techniques for improvising splints in a wilderness setting with the materials you have. A review of splinting technique translated from the hospital practice to remote practice. Also learn about what to expect when organizing and executing an evacuation over unimproved terrain, and how to function on a litter team. This session is appropriate for all EMS provider levels	This presentation will discuss different EMS systems around the world in a comparative fashion. The audience will take away a broader understanding of what EMS looks like in different countries and the factors that affect and create these systems. We will also be evaluating what a typical day in that city's EMS system looks like. This session is appropriate for all EMS levels.	Rollovers are a frequent cause of vehicle damage, serious injury and fatalities in emergency vehicle collisions. These incidents are highly preventable. The high center of gravity and dynamic loads in the patient compartment must be understood by the EMS vehicle operator. This seminar will analyze case studies and provide best practices aimed at preventing rollover incidents. This session is appropriate for all EMS provider levels.	Pediatric trauma is the number one cause of morbidity and mortality worldwide for children. It is essential for EMS clinicians to be able to recognize and manage pediatric trauma. This session is appropriate for all EMS provider levels.	Not knowing when to stop during physical activity can lead to exertional illness and injury. This session aims to cover the most common injuries and illnesses related to environmental exposure, overuse, and acute on chronic exacerbation of disease. Specific topics to be covered include heat exhaustion, cold exposure, dehydration, sickle cell, diabetes, asthma, and orthopaedic injury. This session is appropriate for all EMS provider levels.

Friday March 22 5:15pm ● 6:15pm

Fox Den	Seasons 1 & 2	Seasons 3 & 4	Sunburst	Wintergreen
			Gnarly Limb Injuries	EMS Wellness, Supplements and Energy Drinks
			Dr. Christian Martin-Gill	Dr. Rickquel Tripp
			1.0 CPC	1.5 CPC
			Mangled extremities, impaled objects, dislocated joints, and arms clean off the body can be encountered in trauma victims by EMS personnel. This session will review key principles for extremity trauma evaluation and management with demonstration of key imaging. The session will also review how these injuries were ultimately repaired in the hospital. This session is appropriate for all EMS provider levels.	When does that daily pick-me- up cup of coffee or can of Monster turn into potential bodily harm? We explore the various components of nutri- tional supplements & energy drinks, how fatigue can affect medical decision-making, and strategies to improve well- ness. This session is appropri- ate for all EMS provider levels. This class will end later than 6:15pm.
			ITILS	

Friday March 22 7:00pm Seasons 1





Join us for a family movie with kid-approved pizza, snacks, and beverages!

RESORT DINING INFORMATION

Please refer to each location's hours of operations. Hours of operation are subject to change; we anticipate these locations being available to conference attendees during the weekend.

Helens—reservations are required. 800-452-2223 ext 7827

(located within walking distance of the lodge)

Slopeside—offers breakfast, lunch and dinner buffets and ala carte dining. Usually open 7am to 9pm. (located in Main Lodge between hotel and conference center)

Bavarian Lounge—Usually offers bar food menu until 10pm

(located in Main Lodge between hotel and conference center)

Mountain Pizza—pizza and hoagies and late night food

(located near conference center)

Gingerbread Dreams—ice cream, cookies, cupcakes, etc

(located near conference center)

Seven Ten Bistro—usually open weekends; fun & casual food

(located adjacent to bowling alley on bottom floor of conference center)

Siete Springs Cantana—food with a Mexican flair; weekends

(located in Main Lodge between hotel and conference center)

Mountain Cocktails—weekends only

(located in Main Lodge between hotel and conference center)

Foggy Goggle-kitchen open thru early evening

(located in Ski Lodge)

Saturday March 23 7:45am ● 8:45am

Fox Den	Seasons 1 & 2	Seasons 3 & 4	Sunburst	Wintergreen
	An In-depth Review of Cerebral Anatomy and Stroke Pathology	Emergencies from High Altitude and SCUBA Diving	Traumatic Cardiac Ar- rest	STEMI? Not So Fast!
	Alaina Martini Cassandra Asberry	Dr. Quincy Chopra	Dr. Genna Jerrard	Dr. Chuck Feronti
	1.0 CPC	1.0 CPC	1.0 CPC	1.0 CPC
	Pre-hospital providers are no stranger to patients suffering neurological emergencies. In this presentation, you'll learn in-depth anatomy and pathophysiology of the human brain and how to thoroughly assess a patient with an acute stroke. Learn how to identify different types of stroke and discuss clinical pearls for maximizing out-of-hospital stroke care. This session is appropriate for all EMS levels.	Join Dr. Chopra discussing possible problems associated with mountain climbing and SCUBA diving. Let's look at issues including altitude sickness and decompression illness, that Dr. Chopra personally faced on Mount Everest and while training in the Caribbean. We will discuss what is happening, why we care about it and what we in EMS can do about it. This session is appropriate for all EMS levels.	Traumatic arrests have historically had poor survival rates. We will discuss established guidelines for patient survivability and updates to best practices in the field. When it comes to our choosing when and how to act and how can we do better? This session is appropriate for all EMS levels	Using a case based presentation, we will review cases that looked to be a STEMI at first glance, only to reveal an equally deadly diagnosis upon further review! This a great chance to highlight the limitations of the EKG and the need to keep a broad differential, especially in the critically ill patient! This session is appropriate for all EMS levels.

Saturday March 23 9:00am ● 10:00am

Fox Den	Seasons 1 & 2	Seasons 3 & 4	Sunburst	Wintergreen
Pediatric Field Termination of Resuscitation: What Do We Know?	Important Prehospital Papers that Will Change the Way You Think	Going the Extra Miles: Picking the Right Trauma Destination	Not Your Ordinary Car- diac Arrest	Things Not As They Seem: Part V
William Cebulskie	Dr. Mohamed Hagahmed	Dr. Joshua Brown	Dr. Vince Mosesso	Dr. Owen Traynor
1.0 CPC	1.0 CPC	1.0 CPC	1.0 CPC	1.0 CPC
It is suggested that "scoop and run" style treatment strategies are still used by EMS clinicians when faced with a pediatric cardiac arrest. This session will introduce recent advancements and research surrounding prehospital termination of resuscitation in pediatric patients that will allow EMS clinicians, EMS medical directors, and physicians to evaluate pediatric termination of resuscitation. This session is appropriate for all EMS provider levels.	In this thought provoking and highly engaging case-based discussion, I will address some of the current flaws and common beliefs in the practice of EMS. My discussion is supported by the latest evidence pertaining to prehospital care and resuscitation. My goal is to encourage the audience to question the current paradigm of EMS and look for ways to improve the practice of prehospital care. This session is appropriate for all EMS levels. THIS SESSION CHANGED DATE & TIME AT THE REQUEST OF THE SPEAKER AND UPMC	Are all trauma centers created equally? Do some of you patients benefit from going to the highest level of trauma center? Will some patients just need to be transferred to another trauma center, potentially delaying urgent care? We explore the anatomy of what makes up different trauma centers, and the evidence for getting your patients the best outcomes by picking the right trauma center destination. This session is appropriate for all EMS levels.	Some cardiac arrests are not like the others. This talk will discuss when and how we should modify our standard approach to cardiac arrest for special situations, including refractory VF, maternal patients, and severe hypothermia among others. This session is appropriate for all EMS levels.	This is the fifth installment in the Things Are Not Always As They seem clinical case series. Participants will think critically about the patient's diagnosis as they acquire data from the history of the present illness, physical examination and diagnostic tests. This session is appropriate for all EMS levels.

Saturday March 23 10:15am ● 11:15am

Fox Den	Seasons 1 & 2	Seasons 3 & 4	Sunburst	Wintergreen
Managing the Geriatric Trauma Patient	Medical Support of Tactical Operations	Brain Injury and Do- mestic Violence	The Tale of Two Trau- mas	EMS in the Federal Government
Jennifer Rickens	Wesley Semple	Mae Reale Michelle Cooper	Alaina Martini Cassandra Asberry	Richard Patrick
1.0 CPC	1.0 CPC	1.0 CPC	1.0 CPC	1.0 Other
Getting old is tough For older patients a little trauma goes a long way and can be devastating. Come learn about what changes make it hard to bounce back, the unique issues to think about, and the latest in triage for your geriatric trauma patient. This session is appropriate for all EMS provider levels.	This program is meant for those that are part of or are starting up a tactical medical support element. We discuss important topics such as medical assessment of officers involved, mission planning, equipment and supplies needed and support from local EMS services on the scene. We also review a case study of why this information and planning is important to have done for all of your tactical operators. This session is appropriate for all EMS levels	Survivors of domestic violence are 11 to 12 times more likely to experience a brain injury than any other population. This session will include information about the intersection of domestic violence and brain injury. We highlight our experience designed to connect EMS providers and domestic violence programs. We share resources and best practices developed to incorporate into your work. This session is appropriate for all EMS levels.	Join us for a "choose your own adventure" style case review of two trauma patients where we'll discuss techniques for maximizing patient outcomes and review key components of best practice trauma care. Come prepared with your smart phone for an interactive, live polling session and leave with some clinical pearls to improve your practice. his session is appropriate for all EMS levels.	The purpose of the Federal Interagency Committee on EMS is to ensure coordination among the Federal agencies involved with State, local, tribal, or regional emergency medical services and 911 systems and to advise, consult, and make recommendations on the implementation of the coordinated State EMS programs. Join Director Patrick as he walks through the FICEMS and related Federal EMS initiatives. This session is appropriate for all EMS levels.

Saturday March 23 11:30am ● 12:00pm/12:30pm

Fox Den	Seasons 1 & 2	Seasons 3 & 4	Sunburst	Wintergreen
What the Shock!?	Interfacility Transport— Challenges, Regulations	The Truths of Emergen- cy Vehicle Operations	Thoracic & Abdominal Trauma	Uncoiling the Reality of Snake Bites
Dr. T.J. McMorrow	Dr. Matthew Poremba	Justin Eberly	Dr. Aleksander Keller	Dr. Vincent LaMantia
1.0 CPC	1.0 Other	0.5 EMSVO	1.0 CPC	0.5 CPC
Medical shock in pediatric patients can cause significant morbidity and even mortality but can be reversible with prompt recognition and appropriate intervention. This session will review the pathophysiology of pediatric shock, differentiate between compensated and uncompensated shock, and review life-saving treatments. This session is appropriate for all EMS provider levels.	Will discuss challenges with interfacility transport. Regulations that govern transport and how to deal with challenges situations when asked to transport these patients. This session is appropriate for all EMS provider levels.	THIS CLASS ENDS AT NOON The rules of the road for EMS vehicles are often whispered by one person to another-retold again and again. The vast majority of emergency vehicle operators set out to do the right thing; but that doesn't necessarily mean the same thing as being compliant. We offer clarification and guidance on the requirements versus recommended best practices related to EMS vehicle operations. This session is appropriate for all EMS levels.	This lecture will review the deadly dozen of thoracic and abdominal trauma, and their updated treatments. We will also discuss current research. This session is appropriate for all EMS provider levels.	THIS CLASS ENDS AT NOON While snake envenomations can be a less common occur- rence in western PA, the acui- ty can range from a simple BLS transport to a critically ill patient. We will sort out all of the common myths and facts of how to care for a snake bite for the EMS provider through emergency medicine physi- cians. Don't miss this bite size guide to emergency medicine. This session is appropriate for all EMS levels.

Saturday March 23 1:30pm ● 2:30pm

Fox Den	Seasons 1 & 2	Seasons 3 & 4	Sunburst	Wintergreen
	Capnography—The 5th Vital Sign	Lessons Learned from a Line of Duty Death	Trauma Emergencies in Pregnant Women	A Unique Perspective of Life and Death
	Justin Beal	Shane Spielvogle	Dr. Kevin Duffy	Brian Kosczuk
	1.0 CPC	1.0 Other	1.0 CPC	1.0 CPC
	Capnography truly is the 5th vital sign. Understanding how to interpret waveforms can give you a 4-10-minute warning that your patient isn't tolerating the current treatment. In this presentation we will go into detail on how to dissect a EtCO2 waveform and understand the anatomy behind it. This session is appropriate for all EMS levels.	How prepared is your organization for a line of duty death? What steps need to be taken and when should they occur? There are several things you can do now at your agency. Join Shane as he reviews how his organization had to navigate through a line of duty death, from notifications, to funeral services. Discover what he and his agency learned. This session is appropriate for all EMS levels.	OB emergencies can be tricky, but what happens when they are involved in a trauma? Is this an OB patient or do they need a trauma center? In this lecture we will discuss why the physiological changes that a woman's body goes through during pregnancy can also change how we manage the patient during a trauma. This session is appropriate for all EMS levels. THIS SESSION CHANGED DATE & TIME AT THE REQUEST OF THE SPEAKER AND UPMC	The presentation is a Paramedic's story from providing patient care to becoming a patient himself. I discuss my specific experiences using a case study approach comparing and contrasting lessons learned as a practitioner, and then receiving them as a patient. We reiterate the importance of communication, patient assessment and advocacy with quality BLS care as the foundation to ALS. This session is appropriate for all EMS provider levels.

Saturday March 23 2:45pm ● 3:45pm

Fox Den	Seasons 1 & 2	Seasons 3 & 4	Sunburst	Wintergreen
		Are You Listening? An Important EMS Skill	Airway Oddities	Management of Agitat- ed Behavior
		Tiffany Vargo	Dr. Sharon Klapec	Dr. Aleksander Keller
		1.0 CPC	1.0 CPC	1.0 CPC
		Do you know how to effectively converse with your patients? It may seem simple, but basic communication skills are essential in patient care. In this 1 hour presentation, we will discuss effective communications skills to improve your assessment and improve patient satisfaction. This session is appropriate for all EMS provider levels.	Tracheostomies, laryngectomies, oh my! How do we manage the airway when the anatomy is not what we expect. We review the most common stoma emergencies including tube obstruction, tube dislodgement, pneumothorax, and hemorrhage, as well as relevant anatomy and equipment you may encounter. A breakdown of initial management priorities will leave you feeling more confident in facing these airway emergencies. This session is appropriate for all EMS levels.	Ever wonder why your benzos aren't having the effect you're expecting? Confused about why droperidol is suddenly back in favor again? Unsure whether that patient warrants ketamine? We'll go over the differences between agitated behavior versus delirium with agitated behavior, discuss the different characteristics between the medications available for sedation, and discuss the pros/cons/risks associated with each medication. This session is appropriate for all EMS provider levels.

Saturday March 23 4:00pm ● 5:00pm

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Fox Den	Seasons 1 & 2	Seasons 3 & 4	Sunburst	Wintergreen
		How Do My Patients	When Good Fireworks	OMINow That We've
		Overdose?	Go Bad	Mastered STEMI
		Mark Koss	Dr. Jason Kodat	William Miller
		1.0 Other	1.0 CPC	1.0 CPC
		By giving the participants a	Fireworks may not be the	Dr. Harold Pardee was the first
		historical (Western PA) per-	most dangerous item you'll	physician to take an EKG on a
		spective of when we first saw	see in the field, but they aren't	patient actively having an
		the introduction of Fentanyl in	entirely safe either. This is a	acute myocardial infarction. It
		2015-2016, I would like to	primer on what happens when	showed ST segment elevation
		share with the participants	fireworks aren't used safely.	in Leads II and III, and he
		about how drugs are trafficked	This session is appropriate for	thereby discovered the very
		to Western PA, the cartels	all EMS provider levels.	first STEMI. That was over
		involved, look at the emer-		100 years ago and we still
		gence of Xylazine		don't understand what all the
		(predominately in Eastern PA),		subtle changes from normal
		as well as what's on the hori-		mean on an EKG. Now we're
		zon for us in Western PA, and		finding that there are patients
		then capped off by a global perspective of drug trafficking.		who are NOT having STEMIs, that still need to go to the
		Offering both a very unique		Cath Lab. This presentation
		perspective of that as an EMS		will serve as an introduction
		provider, coupled with that as		to OMI—Occlusion MI (OMI),
		also being a Special Agent/		and the subtle EKG changes to
		Tactical Medic. This session is		watch for that may tip you off
		appropriate for all EMS levels.		to its presence. This session is
		1, 5, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,		appropriate for all EMS levels

Thanks for attending

Join us for EMS Update 2025

March 20, 21, 22





As of 03/01/2024

AIM EMS Software and Services www.aim-system.com

AIM EMS Software & Services is the industry's most customer success-driven provider of software and billing services for EMS agencies. AIM offers advanced, flexible solutions that empower agency operations to improve visibility, efficiency, and profitability. As the single source of affordable, easy-to-use, and configurable dispatch, ePCR, and billing software modules and a reliable partner in billing services, AIM helps EMS organizations deliver care that supports sustainable growth. Find everything you need to successfully manage your EMS agency from our suite of EMS software and billing services. Support in-house efforts or let AIM manage specific tasks. And with our hybrid model, you can choose from individual software modules and billing services or combine options for your specific EMS operations.

AHN Prehospital Care Services www.ahn.org/services/prehospital

The Allegheny Health Network continuously strives to be a customer-focused organization. The Emergency Medical Service providers who entrust our hospitals to care for their patients are incredibly important partners in improving and preserving the health of our region. Our Network is committed to providing EMS with the very best experience while visiting our facilities. Our EMS Pledge clearly specifies what EMS can expect when they arrive at any of our Network's Emergency Departments.

Atlantic Emergency Solutions www.atlanticemergency.com

Everything we sell - each vehicle, every piece of equipment - is backed by the core values we stand for. Things like safety, quality, attention to detail, dedication to service, and years of industry experience come standard. We understand your demands. We value your needs. We share your expectations. So when Atlantic Emergency Solutions serves you, it's more than business as usual. It's a working partnership.

Bound Tree www.boundtree.com

Bound Tree Medical is a national distributor of prehospital emergency medical supplies, equipment, and pharmaceuticals for EMS providers, including First Responders, EMTs and Paramedics. From everyday disposable items to extensive capital equipment, we offer thousands of products across all clinical categories. Bound Tree offers valuable services to increase efficiency and accuracy, reduce liability and positively impact your bottom line. Services such as inventory and asset management, online ordering for controlled substances, and emergency disaster support can save time and reduce overall costs.

Butler County Community College bc3.edu/programs-classes/workforce/public-safety-training/index.html

BC3, in partnership with the Pennsylvania State Fire Academy and Pennsylvania Department of Health, is proud of its reputation for delivering quality education and training programs to Western Pennsylvania Fire Fighters, EMS, HazMat, and Police Professionals.

Centre Communications www.centre-com.com

Two-Way Radio and Emergency Lighting Services. Headquartered in Bellefonte, PA | Serving all areas of Pennsylvania

Columbia Southern University www.columbiasouthern.edu

An online university based in Orange Beach, Alabama, that strives to change and improve lives through higher education by enabling students to maximize their professional and personal potential. CSU offers online degree programs at the associate, bachelor, master, doctorate or certificate levels in a multitude of areas such as occupational safety and health, fire administration, criminal justice, business administration, human resource management, health care administration and more. CSU also features undergraduate and graduate certificate programs to provide focused training in specialized areas for adult learners.

CCAC Public Safety Institute www.ccac.edu/workforce-and-community/public-safety-and-emergency-services-institute/index.php

The Public Safety Institute was established in the early 1980s, predominately offering Emergency Medical Services (EMS) programs. In the early 1990s, CCAC expanded its mission to also include Fire, Hazardous Materials, Emergency Vehicle Operations and Emergency Management. PSI trains approximately 15,000 students per year in public safety programs in Allegheny, Clarion, Crawford, Erie, Indiana, Lawrence, Mercer, Venango, Warren and Washington counties.

Conemaugh MedStar/Air Methods www.conemaugh.org

MedStar is an air medical program with dedicated years of service throughout southwestern and central Pennsylvania. The program's helicopters are based locally and can transport patients from anywhere within an 11-county region. Its flight team includes registered nurses and certified paramedics experienced in critical care and advanced life support. During flight, these professionals are in constant contact with Conemaugh Memorial's Level 1 Regional Resource Trauma Center, allowing for up-to-the-second care. Medstar has been in operations since 1989 and continues to provide quality care to our communities and health care partners.

Cornerstone Adminisystems www.cornerstoneadminisystems.com/

We are an employee owned company that is radically committed to serving its clients. For over a quarter century, we have focused exclusively on delivering a total solution to the ambulance billing needs of the EMS and medical transport community.

Crisis Response Canines www.crisiscanines.org/

We provide strength, comfort, and emotional support to individuals, families, communities, and first responders experiencing intense traumatic emotions in the aftermath of critical incidents. We are comprised of certified K9 teams throughout the US who have dedicated thousands of hours comforting those impacted by personal or community crisis events Our highly trained K9 teams are trained and certified to work effectively in crisis environments supporting anyone affected by mass shootings, large-scale accidents, violence, abuse, tragic death, suicides, terrorism, natural disasters (fi e, flood, hurricane, etc.), and more.

D.E. Gemmill www.degemmill.com

D.E. Gemmill Inc. is a leading provider of pavement marking and maintenance products and services. Based in York, PA, we serve a range of different markets and strive to deliver an exceptional experience for everyone we work with. Our core services include parking lot and highway painting, seal coating and crack sealing, traffic sign and bollard installation, retroreflectivity management and more. In addition to our contracting work, we also supply high-visibility clothing and traffic control products through our retail store.

EMS Management and Consultants EMS | MC www.emsmc.com

EMS | MC was built by the people working in the trenches of the EMS profession. We understand the critical nature of EMS and the pain points of operations. That's why we're raising the bar through our innovation and approach, providing holistic EMS solutions that optimize your most important operational functions.

Epilepsy Association of Central and Western PA www.eawcp.org

The Epilepsy Association of Western and Central PA (EAWCP) is a private, non-profit service organization providing public education and supportive services to individuals and families affected by epilepsy/seizure disorders. We endeavor to improve the quality of life for persons with epilepsy/seizure disorders, and to dispel the myths, stigma, and misunderstandings associated with epilepsy.

ePULSE www.epulsemassage.com

ePulse TENS and EMS devices are advanced neurostimulators used for temporary relief of pain associated with sore and aching muscles in the shoulder, waist, back, neck, upper extremities (arm), and lower extremities (leg) due to strain from exercise or normal household work activities. It is intended to be used to stimulate healthy muscles in order to improve and facilitate muscle performance.

eServices Technology www.eservicestech.com

An innovative, agile company built on the entrepreneurial spirit. Our cloud-based and user-friendly platform provides bolt-on solutions for Donation Management, Event Management, Invoicing, Medical Billing, and Membership Management, as well as Payment Processing Tools. Each component is fully integrated yet flexible, allowing you to implement only the tools you need. Our platform is your solution!

ESI Equipment www.esiequipment.com

To supply, support, and educate the emergency response community with innovative equipment and the latest knowledge and information to continue to enhance, simplify, and elevate life-saving efforts. ESI Equipment is made up of multiple divisions to serve as a proven and reliable industry resource, as it has for 30 years. Innovation and dedication make ESI the ultimate industry resource for specialized first responder products and services. ESI was started by first responders that understand today's challenges in fire, EMS, rescue, law enforcement, and other entities.

ESIP www.mcneilandcompany.com

We offer some of the most comprehensive insurance coverages in the industry. Let us propose a customized insurance package for your organization.

ESO www.eso.com

We believe in the power of data to improve community health and safety. That's not just some lofty corporate vision statement — it's something we live, breathe, and see the results of every day. We approach our work as if the lives of our own families and friends depended on the results. Because a lot of the time ... they do.

Glick Fire Equipment www.glickfire.com

Your premier emergency vehicle dealership in Pennsylvania. We offer exceptional sales and service to make sure your department is prepared for every adrenaline-rushing call you respond to. We are committed to exceeding the needs of departments across the entire state of Pennsylvania, providing them with the best apparatus and maintenance service after the sale. As the #1 emergency response vehicle and fire truck dealership in the state, we are proud to represent these world-class manufacturers who share our commitment to those who serve their community: Pierce Manufacturing, Braun Ambulance, Demers Ambulance, Crestline Ambulance, Vengeant Apparatus, and Firematic's BRAT – all leaders in their industry.

HC Global www.comtrol-corp.com

A reputation for manufacturing the highest quality communication and control systems designed to operate in harsh environments. Our communication systems provide durability, flexibility, and unlimited expansion opportunities. Thousands of our systems have been successfully installed around the globe, attesting to our reputation. We have invested decades of research and development into the perfection of quality audio systems for industrial environments. It is our primary objective to meet or exceed our customers' expectations regarding communication technologies, even under extreme environmental conditions.

Healthcare Coalition of Southwestern Pennsylvania hcswpa.groupsite.com/

The Healthcare Coalition of Southwestern Pennsylvania (HCSWPA) will promote effective emergency preparedness for members of the health care sector and associated agencies through coordinated Planning, Mitigation, Response and Recovery activities. The goals of the Coalition through collaboration will be to decrease deaths, injuries and illnesses resulting from emergencies and to maintain the capabilities of the health care sector during disruptive events.

Howell Rescue Systems www.howellrescue.com/

To improve the knowledge and well-being of each and every individual whose lives we impact through Sales, Service, and Training. We focus to improve the knowledge of our customers and the well-being of their communities. Sales is focused on creating lasting relationships, built on trust, with fire departments, first responders, and rescue professionals by providing the best possible rescue equipment. Service is the backbone of our organization. Our service technicians keep our communities safe by keeping tools in service with top-notch maintenance. Training is focused on continued learning, and always keeping an open mind to continue to provide the best Fire/Rescue education to our customers.

ImageTrend www.imagetrend.com

We deliver solutions to meet your public safety and healthcare challenges and you'll receive service like you haven't experienced before, so you can focus on what's most important to you.

JBL Public Safety Group www.psglearning.com/

We have become the world's most innovative and trusted source for educational materials and solutions for EMS and fire students, educators, and professionals by combining the collective value of our people, products, and partners. From initial training to recertification to retirement, we strive to be a lifelong learning partner to those who serve our communities tirelessly and ensure our safety and well-being. The Public Safety Group is a division of Jones & Bartlett Learning, an Ascend Learning Company.

KARL STORZ C-MAC www.karlstorz.com

Advancing healthcare through innovative MedTech solutions. Together with leading physicians, universities, and research institutes, we identify and shape trends to translate them into cutting-edge solutions designed for the most challenging surgical procedures and conditions worldwide. Interested to find out more who we are?

Life Science PLUS lifescienceplus.com

LifeScience PLUS is a leader in advanced wound care technology. We are committed to developing and marketing innovative total wound care solutions: hemostasis (bleeding control), sealant, moist dressing, contamination prevention, and fast tissue growth generation. Our patented, best-in-class flagship product—BloodSTOP® iX Advanced Hemostat with WoundHEAL®—utilizes our game-changing technology for both acute and chronic wound care.

LITES Research Network www.litesnetwork.org/

A research network for traumatic brain injury, whole blood, airway management, and emergency medical services.

Mission Specific Equipment and Clothing Co www.missionspecificequipment.com/

Our mission is clear. We strive to service first responder's mission specific needs in a personal, professional and trustworthy manner, just as they service our communities every day.

Penn State Fayette fayette.psu.edu/ce/center-community-and-public-safety/emergency-medical-services

The EMS Programs at Penn State Fayette are committed to helping students begin and continue their professional development within the EMS industry. While responding to community healthcare needs, our programs equip students with the knowledge and technical skills necessary to become competent, pre-hospital basic and advanced life support providers. These quality education programs are dedicated to serve the educational needs of our service area and beyond, with a strong commitment to excellence.

Penn Care www.penncare.net

We are not a large conglomerate; in fact, we have fewer than 50 employees. We are, however, a small but mighty team with a firm belief in core values backed up by hard work from a well-trained and dedicated staff that relentlessly strives for perfection. Our customers are the reason for our success, and each year we work hard to improve what we do so that they benefit from our constant evolution. Change is in our culture and we take pride in that. We are ready to assist with all of your emergency medical needs: EMS Supplies, Ambulance Sales, EKG Monitors, and Disaster Response Equipment.

PEHSC / PAEMSC www.pehsc.org

Serves as an independent advisory body to the PA Department of Health and all other appropriate agencies on matters pertaining to Emergency Medical Services. The EMS for Children Program in Pennsylvania is a collaborative effort between the Pennsylvania Department of Health – Bureau of EMS, the Pennsylvania Emergency Health Services Council (PEHSC), and other partners as part of a federal grant initiative through the U.S. Department of Health and Human Services, Health Resources and Services Administration (HRSA). The mission of the Federal EMS for Children Program is to ensure that all children and adolescents, no matter where they live, attend school, or travel, receive appropriate care in a health emergency.

Pfund Superior Sales Co., Inc. / Speclin Emergency Vehicles www.pfundsuperior.com www.speclin.net

Today, we are still a family-owned business and our hardworking team is proud to continue Edward and Norman Pfund's remarkable legacy. With over 58 years of experience selling and servicing emergency vehicles, we still believe that the tenets of honesty, integrity and value are the foundation of our business. We strive to provide the best in high-quality ambulances and wheelchair vans, and we are committed to providing our customers with the competent and professional service they deserve. We serve communities in Pennsylvania, Ohio and we proudly participate in PA COSTARS.

We offer products which range from all types of AEV ambulances, emergency vehicles such as first responder, air, squad and rescue trucks. Speclin also sells mobility products such as: BraunAbility wheelchair vans and lifts, AEV wheelchair transport vans and many other mobility lines which included Ricon Lifts, B & D Independence Corporation Transfer Seating and MPS Hand Controls among others. Another area of our product line is third party insurance billing and management service for ambulance services and fire departments. We have accomplished this part of our business by developing our own proprietary software systems which has been awarded the platinum honor and listed on Medicare's website. These customers are also in Pennsylvania and we have expanded over the last three years to include the States of West Virginia, Virginia, North and South Carolina. With our main offices based in Scottdale Pennsylvania, Speclin is part of the Pittsburgh regions renowned work ethic and manufacturing base.

PHASE www.phaseintl.com

Helping emergency care providers move patients of any size safely and easily. We're not just another faceless corporation. We're a team of Patient Handling and Safety Experts (PHASE) who supply cutting-edge equipment and training designed to keep EMS providers safe and healthy.

Pittsburgh EMS / FAPP Local 1 www.pittsburghpa.gov/ems/ www.fapplocal1.org

The Bureau of Emergency Medical Services is dedicated to the reduction of morbidity and mortality of residents and visitors through the provision of Advanced Life Support prehospital care, medically directed Technical Rescue and transportation of the ill and injured.

Provident www.providentins.com

Back in 1902, we began serving as an independent insurance agency. In 1928, we began serving volunteer fire departments with our first blanket Accident & Health insurance policy to protect the financial livelihood of volunteer firefighters. In 1962, we further expanded this coverage for volunteer firefighters to include Heart & Illness related coverage and have continued over the years to be a leader in developing insurance products and benefits. Today we provide paid and volunteer firefighters and emergency medical responders with insurance that includes Property & Casualty coverages as well as our Accident & Health, 24-Hour Accidental Death & Dismemberment, Group Term Life, Critical Illness, and a First Responder Assistance Program.

Public Safety Marketing www.psmarketing.com/

We specialize in EMS and Fire Department fundraising, marketing and consulting. We are your one-stop shop for all public safety needs - from strategic planning to direct mail fundraising campaigns.

Quick Med Claims www.quickmedclaims.com

We understand that goals and needs vary. A one-size-fits all billing company may fall short on compliance, enhancing your revenue, or customer service, all of which are at the forefront of the QMC Experience. We consistently invest in the resources necessary to deliver excellent, reliable and consistent results for every client we serve. That is how we deliver the QMC Experience.

Stryker-EMS www.stryker.com

One of the world's leading medical technology companies and, together with our customers, we are driven to make healthcare better. We offer innovative products and services in Medical and Surgical, Neurotechnology, Orthopaedics and Spine that help improve patient and hospital outcomes.

Techline Technologies Inc www.techlinetrauma.com/

Techline Technologies, Inc. is a woman-owned manufacturer of trauma simulations in Willow Grove, Pennsylvania. The Techline Trauma® line of products includes manikins, task-trainers, wearable wound simulations®, and self-adhesive wounds. Techline also distributes medical supplies, and provides medical training and support.

Teleflex www.teleflex.com

Teleflex is a global provider of medical technologies designed to improve the health and quality of people's lives. We apply purpose driven innovation – a relentless pursuit of identifying unmet clinical needs – to benefit patients and healthcare providers. Our portfolio is diverse, with solutions in the fields of vascular and interventional access, surgical, anesthesia, cardiac care, urology, emergency medicine and respiratory care. Over 14,000 Teleflex employees worldwide are united in the understanding that what we do every day makes a difference.

University of Pittsburgh School of Nursing https://www.nursing.pitt.edu/

The University of Pittsburgh School of Nursing changes the face of nursing practice by preparing nurses to deliver the highest quality care—care that is guided by research, intellect, and passion. U.S. News & World Report ranks our graduate programs among the top 10 programs in the country, alongside accolades from other organizations. At Pitt Nursing, we shape the future.

University of Pittsburgh School of Pharmacy www.peru.pitt.edu/

At PERU, we are dedicated to meaningful work that facilitates each patient or community member's ability to achieve optimal health, well-being, recovery and choice. Since its founding in 2006, PERU has expanded its program development and research to four areas: substance use disorder education and research; opioid use disorder prevention, intervention, and treatment; medication adherence; and organizational health for healthcare systems.

UPMC Prehospital Care/STAT MedEvac/WorkPartners www.upmc.com

UPMC PHC offers integrated protocols, policies, and procedures to public safety organizations who respond to medical emergencies. STAT MedEvac is a critical care transport system and the clinical arm of the CEM and operate eighteen helicopter base sites in Pennsylvania and surrounding states. WorkPartners helps you create a workforce strategy with integrated benefit solutions to boost employee engagement and optimize your human capital.

VFIS www.vfis.com/

The largest provider of insurance, education and consulting services to emergency service organizations such as fire departments, ambulance and rescue squads and 911 centers. We have a long history of helping the emergency service community protect their assets and manage their exposure to loss. We pioneered the first tailored insurance package and formed a program for emergency service organizations. We drafted the first specialized insurance policy in 1969 and continue to be the leader in the industry, insuring more emergency service organizations than any other provider.

ZOLL www.zoll.com

An Asahi Kasei company, we develop and market medical devices and software solutions that help advance emergency care and save lives, while increasing clinical and operational efficiencies. With products for defibrillation and cardiac monitoring, circulation enhancement and CPR feedback, supersaturated oxygen therapy, data management, ventilation, therapeutic temperature management, and sleep apnea diagnosis and treatment, we provide a comprehensive set of technologies that help clinicians, EMS and fire professionals, as well as lay rescuers, improve patient outcomes in critical cardiopulmonary conditions.











QR codes for each session are activated shortly before the conclusion of the session. Your entry is time-stamped and we can not provide credit for those entries made prior to the session starting nor ten minutes after the session has ended. We will also eliminate duplicate entries if you register for more than one session per time period.

In deciding which lectures to attend, consider your personal as well as your agency needs. Groups in attendance may want to divide up so that someone is in each lecture offered rather than all sitting together in one lecture session.

Complimentary refreshments are provided each day of the conference for a limited time for registered students during the scheduled breaks (early morning, mid-morning and then again mid-afternoon).

An All You Can Eat Hot Food Buffet Lunch is provided for those attendees registered for classes. You will receive lunch tickets in your registration packet. Please present your lunch ticket to the banquet staff as you are seated. Additional lunch tickets are available for purchase each day at cost. Lunch vouchers are only valid for the EMS Update sponsored lunches on Thursday, Friday, and Saturday.

Sessions are open to all, however seating in rooms is limited due to the design of the meeting rooms. In 2024, when maximum chair seating capacity is reached, the doors will be closed and we will not permit entrance. Because of the design of the rooms, we cannot add chairs once capacity is reached. You asked that we only allow seated participants so we can no longer allow attendees to stand in the back of the room; everyone must be seated.

Educational costs are underwritten in part thanks to Pennsylvania's Rural EMS Education Funds.

NO SMOKING—All EMS Update activities, classes, exhibits and hallways are designated strictly non-smoking. Please refrain from using other tobacco products in class.

NO CHILDREN IN CLASSES—In order to reduce classroom distractions, children and infants are not permitted in EMS Update classes.

While in class, please silence all devices that make noise. You aren't responding to that call; the radio and pager can be turned off.

EMS Update 2024 Conference Selection Committee

Chairperson Larry Pantuso Washington Health System

Justin Beal STAT MedEvac Dawn Buck Amsery LTD Dusan Ambulance

Robbin Cessna EMS West Alex Cutsumbis Center for Emergency Medicine

Diane Fitzhenry Penn Hills EMS Douglas Garretson

Jonathon Jenkins Mutual Aid Ambulance Service Richard Kaufman EMS West

Jonathan Madaras SouthEast Regional EMS Tom McElree EMS West

Greg Porter Ross West View EMS Tiffany Rohde-Wyant Allegheny Health Network

Brian Shaw EMS West Dr. Richard Wadas EMS West

Interested in presenting at EMS Update 2025?

Visit www.emsupdate.com after July 1, 2024 for the packet of information to apply to speak in 2025.

Applications accepted until COB on September 11, 2024.

Regional Medical Director

Richard J. Wadas, Jr., MD, FACEP, FAEMS
Paul M. Paris, MD (Emeritus)

EMS West Council Staff

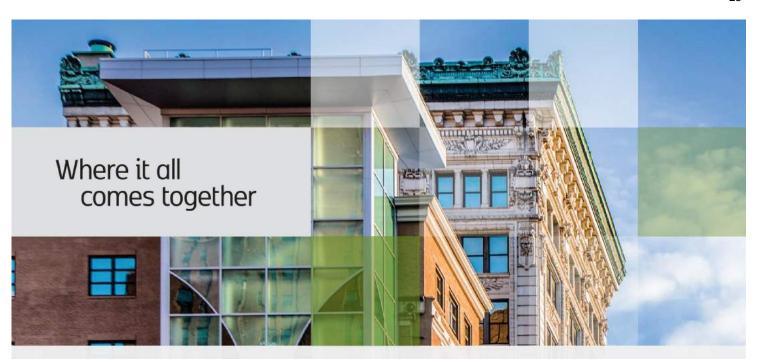
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Todd Nicholson, BS, NRP | EMS Education
Jackie A. Taylor, EMT | EMS Education

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NOTES



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The CODE 3 First Responder Sleep Health Research Study

Calling on all frontline EMS clinicians and fire first responders!



Compensation for your time: Participants will be remunerated \$50 for their time.

Primary Research Question: We want YOUR opinion and feedback on what YOU think the barriers and facilitators may be related to adopting and implementing evidence-based recommendations in the workplace that address fatigue and sleep health of workers?

Who are we? We are researchers at the University of Pittsburgh Department of Emergency Medicine. This research study is supported by the American Academy of Sleep Medicine Foundation. Your answers will help us develop a NEW & FREE educational resource for first responders to address sleep and fatigue.

Who can participate? You may be eligible to participate if you:

- [1] Are an EMT, paramedic, prehospital nurse, firefighter, or other EMS / fire personnel; and
- [2] Are actively working shifts and taking care of patients in the community as a front-line EMS clinician or firefighter at an EMS and/or fire department operation.

When? We are flexible! We will work with your availability to schedule an in-depth ZOOM-based interview. The interview will last approximately 45 minutes.

Interested? If you are interested, please reach out to the project coordinator at **dgr21@pitt.edu** Participation is completely voluntary.



THE GRAND BALLROOM FRIDAY NIGHT, MARCH 22ND 9:00PM-MIDNIGHT

come join in the fun and wear your best Jimmy Buffet attire!

Must be 21 years of age or older to attend



