

A focus on personal, patient and community safety...



APRIL 5, 2022 - 7th EMS Financial Symposium | **APRIL 6-8, 2022** - 14th Annual National EMS Safety Summit



14th Annual National EMS Safety Summit

A Focus on Personal, Patient, and Community Safety

***Convened by the Mile-High Regional Emergency Medical and Trauma
Advisory Council (Mile-High RETAC) since 2008***

***Virtual –“Live” Conference
April 6-8, 2022***

14th Annual National EMS Safety Summit Course Descriptions

Wednesday, April 6, 2022

8:15 – 9:15

Leadership in Safety

Chris Cebollero

Cebollero & Associates Consulting Group President/CEO

Course Description:

Leadership is all about the ability to influence others. If you cannot influence people, you cannot lead them. Why is this topic of safety so hard so inspire? Instead of safety being the number 1 concern of agencies, is achieving the

outcomes that sustain a culture of safety. In this class, Chris Cebollero will share 10 characteristics of great safety leaders and programs.

Learning Objectives:

- Define Safety Leadership
- List the 10 characteristics of safety leadership
- Explain how Leaders Make the Difference in the Culture of Safety
- Describe how the hiring process sets the standard for the culture of safety

9:30 – 10:30

Building a Comprehensive Safety Management System

Jeffrey White, MS, CHSP, MTSP-C, FP-C

HealthNet Aeromedical Director of Safety, Safety Officer

Course Description:

This course will discuss utilizing techniques from the aeromedical SMS model into ground transport, education, and compliance to build a comprehensive safety program.

Learning Objectives:

- Discuss the SMS history
- Understanding the Just Culture process
- Discuss safety education and expectations
- Discuss metrics and data driven safety programs

10:50 – 11:50

Considerations for Safety and Efficiency in Designing Your Next Ambulance

A J Heightman, MPA, EMT-P

Cambridge Consulting Group

Course Description:

This fast-paced lecture takes you around a few ambulances to point out important aspects in safety, design, efficiency as well as crew and patient comfort and convenience offered by some of the EMS'S industry's most popular ambulance brands. Areas that will be highlighted include chassis and box configurations and constructions; lighting; cameras; entry steps; equipment placement; HVAC systems; rollover airbags and belts; and emergency and scene lighting.

Learning Objectives:

- Understand the need for pre-plan of ambulance needs
- Be aware of the importance of site visits
- Know cab and crew considerations for comfort, safety, and convenience

- Be aware of trends in warning and scene lighting (including turn signal announcement)
- Take safety into account when designing patient compartment layout and seating, and equipment placement

12:30 –1:30

Data Driven Driving Safety

Justin Koper, MS, GSP, MTSP-C, FP-C

HealthNet Aeromedical Safety Officer

Course Description:

This course will discuss utilizing data collected to build a comprehensive safe driving program while decreasing accidents, incident severity and growing driver confidence.

Learning Objectives:

- Discuss the data collection process
- Understanding ANSI compliant driving program
- Discuss education and expectations
- Discuss metrics and data driven programs

1:45 – 2:45

Psychology of Safety

Jeffrey White, MS, CHSP, MTSP-C, FP-C

HealthNet Aeromedical Director of Safety, Safety Officer

Course Description:

This course will go beyond developing safety policies and discuss how those policies and safety education needs to be created with studied human behavior in mind. This will help you develop a safety program that is truly crew and patient focused.

Learning Objectives:

- Gain and understand human nature and mindfulness as it relates to training
- Gain an understanding of how data can drive your safety training
- Discuss how human behavior effects safety
- Discuss how to build safety programs based on human behavior
- Discuss how to build a training and safety promotion program based on human behavior

3:00 – 4:00

Implementing Safety Regulations in Healthcare Simulation

Joseph Slattery, AAS, NRP, CHSE

Assistant Director, Mercer University School of Medicine

Course Description:

This seminar will discuss the different types of safety concerns in EMS and how to develop a simulation program that focuses on reducing safety issues that directly relates to real practice.

Learning Objectives:

- Identify different safety issues in EMS and in simulation
- Develop habits in simulation that promotes safety and train in a safe environment

Thursday, April 1, 2021

8:05 – 9:00 ***Reducing Lights and Siren Use by EMS - Recommendations for Safety***

Douglas Kupas, MD, EMT-P, FAEMS

Medical Director, Geisinger EMS

Course Description:

The evidence has long shown that lights and siren (L&S) operations are associated with emergency vehicle crashes and injuries to patients and EMS practitioners. Many agencies have been changing their L & S culture, and several national initiatives are underway. A recent joint position statement of 14 EMS organizations seeks to reduce inappropriate L&S use. This session will discuss recent initiatives to eliminate unsafe L&S use and will discuss approaches to changing the culture within agencies.

Learning Objectives:

- Discuss benchmarks for safe rates of L&S use during EMS vehicle response and transport
- List the recommendations of the 2022 joint multi-organizational L&S position statement
- Describe the effect of culture and examples of how to change it

9:15 – 10:00 ***Reducing Lights and Siren Use by EMS- How Do We Tell the Politicians and the Public?***

David McGowan, MSc, ASHM
Senior Consultant, ACETECH

Course Description:

Ambulance service providers are beginning to recognize the dangers associated with crashes that involve vehicles in their fleet. They have followed the research and now want to change their response criteria, although some are hitting major roadblocks from the stakeholders outside of EMS. City leaders, the public and even other public safety entities still believe a fast response saves lives.

Beginning with a news investigative report, the presentation will take a controversial look at responding lights and siren from many different perspectives. The presenter will provide attendees with several different strategies to the following questions.

1. Whose expectation is it that EMS respond emergent?
2. From an EMS management perspective, we want to reduce emergent responses, but our stakeholders don't. What is anything can we do?
3. How do we re-educate EMS stakeholders on the dangers of emergent response and the move toward less of these responses?

Learning Objectives:

- Heighten the awareness of the risks associated with operating an ambulance on an emergent mode
- Provide strategies to educate EMS stakeholders the dangers of emergent responses
- Describe how to dispel the myth of "speed saves lives" with evidence-based research
- Examine clinical cases where improved patient outcomes can be attributed to a faster response

10:15 – 11:45 ***How We Evacuated Two Hospitals Amidst Colorado's Epic Marshall Fire- Managing the Chaos, Being Okay with Being Uncomfortable, and using Relationships***

Jason Roosa, MD, MS, FACEP, FAEMS
EMS Medical Director, SCL and North Metro Fire Rescue

Mark Daugherty, Paramedic
North Metro Fire Rescue District- EMS Chief

Paul Johnson, Paramedic
Mountain View Fire Rescue, Division Chief of EMS

Chris Mailliard, Firefighter, Paramedic (Retired)
*Emergency Manager Avista Adventist Hospital
Safety Officer & Emergency Manager St. Anthony North Hospital*

Michelle Deland, MA, CO-CEM, MEP
Executive Director, North Central Region Healthcare Coalition, Trailhead Institute

Course Description:

Discussion of the hospital evacuations during the Marshall Fire in Boulder County

Learning Objectives:

- Discuss coordination efforts to evacuate two hospitals
- Discuss lessons learned during the hospital evacuations
- Discuss the value of relationships in managing chaos

12:30 – 1:15

The First Responder Fitness Epidemic

Theodore Stern

*11 Year LEO, Supervisor, Health and Fitness Coach, Personal Trainer
Fit Responder Training, President/ CEO/ Head Coach*

Course Description:

I will present the impact a lack of fitness has on first responders and why it occurs so prevalently. I will also present tips and solutions to take better personal control of one's health and fitness. I will use data and examples and engage the audience in this presentation.

Learning Objectives:

Show the audience the serious nature of the problem. Teach simple and sustainable solutions.

TOPC 1 – The First Responder Fitness Epidemic- The challenges that face first responders in their fitness and health, and the impact it has professionally and personally.

First responders have some of the highest rates of obesity in all American professions. Many would argue that first responders should be the fittest, based on the duties they may be called to perform. Tasked with duties which may call upon their endurance, strength, stamina, and performance, many first responders are grossly under-prepared to perform due to their lack of fitness. In addition, the career of a first responder places them in higher risk categories for injuries and health complications, and these risks are only increased by a lack of fitness and self-care. Unfortunately, most agencies and departments do not adequately support their first responder personnel in improving their own fitness. As such, first responders need to find ways to personally take better control of their fitness, health, and body.

This lecture will clearly outline the data, statistics, personal and professional risks of being an overweight / obese / or otherwise “unfit” first responder. I will present the challenges first responders are faced with in the pursuit to better themselves in their fitness, health, and bodies. I will present arguments why first responders need to take fitness seriously and take personal action to improve.

Learning Objectives:

- Present data and statistics which describes and identifies the “fitness” problem with first responders.
- The impact a lack of fitness has on the personal and professional life of a first responder.
- The challenges first responders face and what causes this career path to be at risk.
- How department and agencies are challenged in mandating or enforcing fitness.
- How departments and agencies are challenged with providing adequate solutions to fitness challenges.
- What being “fit for duty” means.

1:30 — 2:15

The First Responder Fitness Solutions

Theodore Stern

TOPC 2- First Responder Fitness Solutions- How to support your fitness, health, and body goals with a long term, doable, and sustainable approach.

Being that first responders are in a higher risk category for injuries and health complications due to a lack of fitness, how can first responders work to better themselves efficiently and effectively? Many first responders are inundated by “information overload” and have tried and failed in their personal fitness journey through dieting attempts, short term or “quick fix” methods, supplements, gimmicks, and otherwise unsustainable methods to improve their own fitness. Many first responders are discouraged to approach their fitness goals due to the challenge that faces them in pursuit of their goals.

This lecture will demonstrate how first responders can incorporate simple changes in their lifestyle that can help improve their fitness. This lecture will cover the basics to show first responders how to improve their nutrition, sleep, training, and other lifestyle habits to make big changes in their fitness, health, and body.

Learning Objectives:

- Cover nutrition strategies that work well with the first responder lifestyle.
- Cover training strategies that work well with the first responder lifestyle.

- Cover the “basics” in lifestyle changes that first responders should focus on and prioritize.
- Demonstrate reasonable expectations for progress.
- How to better guarantee long-term success.

2:30 – 3:30

Think Safety

Peter Dworsky, MPH, EMT-P, CEM
Outcome Solutions President

Course Description:

We are the professional safety managers in EMS and need to drive the concepts of safety from the beginning of a new provider’s education and throughout their career. We need to change the idea that safety is an add-on.

We will spend the next hour looking at areas of EMS education where there are safety deficits and brainstorming ideas of how EMS safety can be made into small achievable injects into all levels of education and training and develop a summary list that will be submitted to other national organizations for adoption and inclusion into all levels of training and education.

As an example, one of the tools we use on a daily basis is the vehicle to get to the patient, but there is very limited education in baseline classes covering vehicle safety inspection and driving. Another example is we lift and move a significant number of patients, and while we are taught how to use a stair chair, we do not spend a lot of education time on ergonomics.

Objectives:

Learning Objectives:

- Identify deficits in safety training
- Develop a list of injects for adoption

3:45 – 4:45

How to Get Insurance Companies to Pay for Safety initiatives

Ariel Jenkins, Certified Safety Professional, MBA, Associate in Risk Management – Public Entity, Associate in Enterprise-Wide Risk Management
Safety National Assistant Vice President-Risk Services

Course Description:

In this session, participants will gain insights into working various organizational channels to request and gain funding from insurance companies to invest in safety initiatives.

Learning Objectives:

- Learn how insurance companies plan, budget, and invest in safety
- Demonstrate how to conduct simple ROI to make your case for safety initiatives
- Identify people within your organization to request insurance company funding

Friday, April 2, 2021

8:05 – 9:00

“Danger in Numbers:” Crowd Dynamics and Safety for EMS

Andrew T. Caruso, NREMT

Monmouth County Sherriff's Office, Deputy EMS Coordinator

New Jersey EMS Task Force, Safety Module Manager 503

Safety Consultants, LLC, Founder, President

Course Description:

Mass gatherings are usually peaceful, enjoyable and preplanned events. Most are safe and only require a plan for EMS to react. Unfortunately, times have changed, and EMS now needs to be able to assist in more dynamic environments. This presentation is intended to teach EMS providers to more safely predict and respond to incidents involving mass gatherings; not only planned events such as concerts and sports expositions, but unplanned protests, and civil unrest.

Attendees will learn what causes crowds, what makes them dangerous, and how they easily turn from a peaceful group to an angry, violent mob. They will also be taught what to do when caught in a dangerous crowd situation. There will also be a case study on the EMS role in the Ferguson, MO riots, and the most recent tragedy at Houston's Astroworld Festival.

Learning Objectives:

1. Discuss the difference between the crowds at peaceful gatherings and those with volatile potential.
2. Discuss the psychology of people gathered in mass, the different types of crowds and mobs, and flashpoints that will make a crowd turn into an angry, dangerous mob.
3. Discuss the dangers of crowd surge, crowd crush, and how to respond.
4. Discuss the how an EMS provider can maintain their safety by avoiding being stuck in a crowd, and what to do if they are inadvertently caught in one.
5. Discuss the process of planning for a mass gathering event, executing policies and procedures, and the after-action evaluation.

9:10 – 10:00

Conducting a Legally Valid Investigation

Matthew R. Streger, Esq., MPA, NRP
Attorney at Law, Keavney & Streger, LLC

Course Description:

One of the critical activities that a front-line supervisor does on a daily basis is conducting initial investigations into incidents that occur. Unfortunately, most supervisors are not given any training or guidance on how to perform this task, and that omission can have far-reaching negative impacts on both the supervisor and the organization itself. This lecture will examine best practices for supervisors to conduct an investigation that will be fair, thorough, and defensible. Topics include initial inquiry actions, conflicts of interest, interview techniques, validation, and more.

Learning Objectives:

- Understand techniques for conducting the investigation initial inquiry
- Understanding concepts of conflicts of interest
- Developing skills for witness interviews

10:15– 11:15

Body Worn Camera's in Fire/EMS Pro's, Con's and Concerns!

Jason Brooks, BAS, EMT-P, I/C
DT4EMS, LLC President/CEO

Course Description:

In this lecture we are going to discuss some common misunderstandings about Body Worn Camera's for Fire/EMS personal to include:

1. Is it a HIPAA Violation to have personal wearing Body Worn Camera's?
2. How body worn cameras have increased patient satisfaction
3. How body worn cameras have decreased patient complaints
4. How body worn cameras have decreased assaults, and increased criminal convictions
5. How body worn cameras can be used as a positive QA/QI tool
6. Body Worn Cameras can help to show the whole story!

Learning Objectives:

- Discuss how body cameras affect patients
- Discuss how body cameras play a role in QA/QI
- Discuss how body cameras show the whole story

11:30 – 12:30

***“We’ve Got to Get Out of This Place;”
Evacuation of Healthcare Facilities***

Andrew T. Caruso, NREMT

Course Description:

Hurricanes, floods, power failures, and even communicable diseases can prompt the evacuation of a healthcare facility. Due to mandates and regulations, these events are often planned, but rarely practiced by the facility and their community partners. In this program, we will discuss how to plan for an evacuation, when to pull the trigger, and how to safely execute the move of those who cannot move themselves. Using examples of historic evacuations, we will explore the different techniques of moving large amounts of people with their necessary belongings, medications, and records.

Learning Objectives:

- Discuss planning for evacuations, and how to best practice doing so BEFORE the crisis.
- Discuss the criteria to actually execute the evacuation.
- Discuss different techniques and innovative tools being used to perform evacuations of healthcare facilities.
- Discuss accountability, not only for humans, but belongings and essential medication, records, etc.
- Discuss the process of repopulation once the crisis is mitigated.

1:00 – 1:45

***Overreach or Unprecedented: An Analysis of
the Criminalization of Medicine***

Matthew Streger, NREMT, Esq., MPA, NRP

Course Description:

A review of current events demonstrates a trend towards the criminalization of medicine in all areas, and EMS is not immune from this change. Recent high-profile cases have resulted in charges towards healthcare and EMS providers for activities that have never previously been involved in the criminal justice system. This lecture will analyze some of the current cases and compare the conduct to the elements of various crimes, as well as analyzing actual provider conduct and how to prevent adverse events like these from occurring.

Learning Objectives:

- Review the facts of various relevant criminal cases
- Understand the elements of various crimes
- Develop self-protective best practices to prevent potential criminal charges

2:00 – 3:00

Three Practical Strategies for Reducing Errors and Building Resilience in EMS

Jake Mazulewicz, Ph. D.
JMA Human Reliability Strategies, LLC

Course Description:

Human and organizational errors can end lives, ruin careers, and capsize hard-earned reputations overnight. Some teams successfully reduce, mitigate, and learn from errors far more effectively than others... How do they do it? More than 30 years of research on “High Reliability Organizations” reveals that the traditional approach of creating more procedures, more rules, and more compliance may cause more problems than it solves. In this presentation, you’ll get an overview of three practical strategies used by medical, military, aviation, and other high-hazard industries that you can apply within your EMS team.

Learning Objectives:

- Describe the three core strategies: (1) Apply Defenses, (2) Improve Processes, (3) Build Resilience
- Demonstrate why the single best way to reduce errors is to stop punishing people for making honest mistakes
- Reveal the fatal flaw of depending only on traditional, person-based error prevention “tools”

3:15 –4:15

Challenging Your Clinical Boundaries & EMS Service Delivery Approach

A J Heightman, MPA, EMT-P

Course Description:

The delivery of out-of-hospital emergency medical care is constantly evolving, with EMS personnel continually being called on to deliver more advanced care. But what are our weak spots and where is the delivery of prehospital care headed in the future? From enhance resuscitation and transportation practices to delivery of EMS by drones, join A J Heightman as he looks in his management, operations, and clinical crystal ball and presents his vision of our future.

Learning Objectives:

- Learn important clinical changes that can improve the resuscitation success rates in their agency
- Understand how technology advancements can improve the quality of care delivered to patients, crew safety enroute and on scene
- Learn how new delivery models and protocols are improving EMS practice, time-to-arrival of resources and reduced morbidity and mortality
- Understand the need to address employee fatigue, sleep deprivation and stress