

Vital Signs 2019



**Vital Signs 2019
EMS Conference**

October 24-27, 2019
Buffalo Convention Center, Buffalo, NY
vitalsignsconference.com
(518) 402-0996

A Program of the New York State Department of Health

Conference Program

WEDNESDAY, OCTOBER 23

5pm-7pm Registration Opens

THURSDAY, OCTOBER 24

7am Registration Opens

8am-5pm **TWO-DAY PRECONFERENCES**

- BLS Core Content Refresher
- ALS Core Content Refresher
- Leadership Survival Series: Cultivating the Leadership, Management and Clinical Skills to Help Your Agency Thrive
- Critical Care Paramedicine: Keeping Up with the Critical Patients

9am-12pm **HALF-DAY PRECONFERENCE**

- Certified Instructor Update – Session A

1pm-4pm **HALF-DAY PRECONFERENCE**

- Certified Instructor Update – Session B

FRIDAY, OCTOBER 25

7am Registration Opens

8am-5pm **TWO-DAY PRECONFERENCES**

- BLS Core Content Refresher
- ALS Core Content Refresher
- Leadership Survival Series: Cultivating the Leadership, Management and Clinical Skills to Help Your Agency Thrive
- Critical Care Paramedicine: Keeping up with the Critical Patients

8am-5pm **ONE-DAY PRECONFERENCE**

- Mental Health First Aid Training

8am-12pm **HALF-DAY PRECONFERENCE**

- Pediatric Disaster Education: Manikins and Beyond

1pm-5pm **HALF-DAY PRECONFERENCE**

- How to Write Great Test Questions

1pm-2pm **FRIDAY SESSION**

- GENERAL
- Hey, That Was No Accident... and I Just Got a Subpoena

2:15pm-3:15pm **FRIDAY SESSION**

- GENERAL
- The Weight of It All: Surviving Vicarious Trauma

FRIDAY, OCTOBER 25 (continued)

3:30pm-4:30pm **FRIDAY SESSION**

- GENERAL
- The Malicious and Monstrous Maladies of Disney

5:30pm-6:30pm **EMS County Coordinators Meeting**

5pm-7pm **Reception and Exhibits Open**

SATURDAY, OCTOBER 26

7am Registration Opens

8am-9am **SESSION 1**

- 1A BLS Gatekeepers to the Mental Health Mindset
- 1B ALS Basic 12-Lead ECG Interpretation
- 1C EDUCATOR Is Your Classroom a Time Machine?: Crafting Educational Success for the Modern Student
- 1D LEADERSHIP Culture Triage: Assessing and Impacting Agency Morale
- 1E GENERAL Development of Stroke Systems in NYC
- 1F CRITICAL CARE Oxygen: Why It May Not Be the Panacea You Think

9:15am-10am Welcome: Opening Ceremonies
NYS EMS Awards Presentation

10am-11am Opening Session:
Our Fascinating Metamorphosis:
EMS in 2019

10:30am **Exhibit Area Opens**

11am-2pm **Break**

2pm-3pm **SESSION 2**

- 2A BLS Differential Diagnosis in the Prehospital Setting
- 2B ALS Four Preventable Causes of Trauma-Related Death
- 2C EDUCATOR OK, I Flipped My Classroom... Now What?
- 2D LEADERSHIP See One, Do One, Teach One: Finding Your EMS Mentor
- 2E GENERAL PTSD is Old School, PTSI Is the Demon We All Need to Battle
- 2F CRITICAL CARE Critical Care for the Post-Arrest Patient

3pm-3:15pm **Break**

4pm **Exhibit Area Closes**

Conference Program *(continued)*

SATURDAY, OCTOBER 26 *(continued)*

3:15pm–4:15pm **SESSION 3**

- 3A BLS** Dingers, Stingers and Getting Your Bell Rung
- 3B ALS** Fluid Resuscitation: Stop the Madness
- 3C EDUCATOR** The Use of Standardized Patients in EMS Education
- 3D LEADERSHIP** Understanding Your Agency's Strategic Position in Your Community
- 3E GENERAL** A Haz Tac Response! How the Largest EMS System in NYS Handles EMS at a HazMat Incident
- 3F CRITICAL CARE** Hi! I'm an Alveoli and I Need More PEEP: Understanding A/A Gradients and Alveolar Oxygenation

4:30pm–5:30pm **SESSION 4**

- 4A BLS** Documentation: A Reflection of You and Your Patient
- 4B ALS** Lies Your ACLS Instructor Told You
- 4C EDUCATOR** Tips and Tools for High Yield CME
- 4D LEADERSHIP** Creating a Leadership Path Using the Seven Pillars of EMS Officer Competencies
- 4E GENERAL** What If We're Wrong?: EMS Trends, Fads and Dogma
- 4F CRITICAL CARE** It's All About Flow... The Critical Importance of Understanding Perfusion in Acute Illness and Injury

SUNDAY, OCTOBER 27

7:30am Registration Opens

8am–9am **SESSION 5**

- 5A BLS** EMS and EDP: Handling Emotionally Disturbed Persons
- 5B ALS** Critical Calls Take Critical Thinking
- 5C EDUCATOR** Introduction to Education Podcasting
- 5D LEADERSHIP** Women STAND UP to Lead
- 5E GENERAL** NYS Operations Update
- 5F CRITICAL CARE** Watch Their Vitals: Invasive Monitoring

9am Exhibit Area Opens

9am–9:30am Break

On the Cover: Art by our closing session speaker, Daniel Sundahl of DanSun Photo Art, featuring Justin Camacho, Patrick Lurenz and Sarah Buck. Thank you to the Clifton Park/Halfmoon Ambulance Agency.

SUNDAY, OCTOBER 27 *(continued)*

- 9:30am–10am** Closing Ceremonies: Presentation of EMS Agency Innovation Awards and New York State EMS Memorial Service
- 10am–11pm** Closing Session: Post-Traumatic Growth: Finding Benefits within Challenges
- 11am–1pm Break**
- 1pm–2pm **SESSION 6****
 - 6A BLS** A Mini Stroke: When Pediatric Patients Experience CVA
 - 6B ALS** Tackling Sepsis on the Front Line
 - 6C EDUCATOR** NYS Education Update
 - 6D LEADERSHIP** Morbidity and Mortality: What's Hurting and Killing EMS Providers and What Can We Do About It?
 - 6E GENERAL** Deciphering the Alphabet Soup of Legal Documents EMS May Encounter On-scene: DNR, MOLST, HCP and POA
- 6F CRITICAL CARE** Nerve Agents 201
- 1:30pm** Exhibit Area Closes
- 2:15pm–3:15pm **SESSION 7****
 - 7A BLS** Legal Issues for EMS Providers
 - 7B ALS** I Missed the Warning Signs, Will You?
 - 7C EDUCATOR** Where Is Your Moral Compass?: Morals and Classroom Management in EMS
 - 7D LEADERSHIP** Leading the Invisible
 - 7E GENERAL** Resilience in EMS: What It Is and How to Get It
 - 7F CRITICAL CARE** Buy Some Time: Advanced Cardiovascular Support
- 3:30pm–4:30pm **SESSION 8****
 - 8A BLS** It's Just a Flesh Wound: Soft Tissue and Extremity Trauma
 - 8B ALS** Ring My Bell: Concussion Pathophysiology
 - 8C EDUCATOR** Not Everyone Is Going to Get a Trophy: Embedded Support and Remediation in the EMS Classroom
 - 8D LEADERSHIP** EMS Mergers 101
 - 8E GENERAL** EMS ePCR Data: Why Agencies and EMTs Should Care
 - 8F CRITICAL CARE** Capnography and Blood Gas

Two-Day Preconference Workshops

THURSDAY, OCTOBER 24 and FRIDAY, OCTOBER 25

BLS Core Content Refresher

8am–5pm

*Dan Batsie, BA, NRP,
Chief of Emergency Medical Services,
Vermont Department of Health*

*Stephanie Cordwell, BS, NRP,
Paramedic Program Director and EMS Department Chair,
Kennebec Valley Community College*

*Will Krost, MD, MBA, NRP,
Emergency Physician, Critical Care Paramedic,
Administrator, Mercy Health*

*Timothy Redding, BS, NRP, I/C,
President, Emergency Education Consultants*

This two-day workshop will provide 16 hours of BLS core content that an EMT or AEMT may apply towards their NYS CME-Based Recertification. This workshop will be a well-rounded review, covering core content topics. Attending this course for 2 consecutive years will satisfy all of your core content requirements for recertification. These 16 hours may also be applied towards the Mandatory Core Content required by the NREMT by meeting the objectives of the EMS National Education Standards.

Subject areas to be covered:

1	Preparatory
1.5	Airway Management and Ventilation
1	Pharmacology/Medication Administration/ Emergency Medications
1	Immunology
1	Toxicology
1	Endocrine
1	Abdominal/Geni-Renal/GI/Hematology
1.5	Respiratory
1.5	Shock and Resuscitation
1.5	Trauma
1	Geriatrics
1.5	OB, Neonate, Pediatrics
1	Special Needs Patients
16	Total Hours

ALS Core Content Refresher

8am–5pm

*Dan Batsie, BA, NRP,
Chief of Emergency Medical Services,
Vermont Department of Health*

*Stephanie Cordwell, BS, NRP,
Paramedic Program Director and EMS Department Chair,
Kennebec Valley Community College*

*Will Krost, MD, MBA, NRP,
Emergency Physician, Critical Care Paramedic,
Administrator, Mercy Health*

*Timothy Redding, BS, NRP, I/C,
President, Emergency Education Consultants*

This two-day workshop will provide 16 hours of ALS core content that an EMT or AEMT may apply towards their NYS CME-Based Recertification. This workshop will be a well-rounded review, covering core content topics. Attending this course for 2 consecutive years will satisfy all of your core content requirements for recertification. These 16 hours may also be applied towards the Mandatory Core Content required by the NREMT by meeting the objectives of the EMS National Education Standards.

Subject areas to be covered:

1	Preparatory
1.5	Airway Management and Ventilation
1.5	Pharmacology/Medication Administration/ Emergency Medications
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1	Abdominal/Geni-Renal/GI/Hematology
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1.5	Shock and Resuscitation
1.5	Trauma
1	Geriatrics
1.5	OB, Neonate, Pediatrics
1	Special Needs Patients
16	Total Hours

Two-Day Preconference Workshops

THURSDAY, OCTOBER 24 and **FRIDAY, OCTOBER 25**

Leadership Survival Series: Cultivating the Leadership, Management and Clinical Skills to Help Your Agency Thrive

8am–5pm

*Kelly Grayson, NREMT-P, CCEMT-P,
Owner, MEDIC Training Solutions, LLC*

*Nancy Magee, NREMT,
Consultant and Managing Partner,
MEDIC Training Solutions, LLC*

Rural, volunteer and low-volume EMS agencies all face challenges to survival in today's healthcare environment. Whether it's lack of educational infrastructure, too little exposure to daunting calls to feel clinically competent, or an agency culture more akin to a family – with all the attendant drama and strife – than an organization, management of a small agency can often pose challenges much larger than its personnel roster. Join Kelly Grayson and Nancy Magee as they show you how to boost your leadership and management skills, and help your employees or members be the best they can be.

Critical Care Paramedicine: Keeping up with the Critical Patients

8am–5pm

*Rueben Farnsworth, NRP, CCP-C,
President, RockStar Education*

*Chris Mulberry, NR-P, CCP-P,
Assistant Chief Paramedic,
Platte Valley Ambulance Service*

Are you having trouble finding CE hours to satisfy the requirements for your critical care cert? Look no further, this exciting pre-con will give you a solid 16 hours of absolutely irrefutable critical care CE. Critical Care Paramedicine: Keeping Up with the Critical Patient meets the IBSC requirements for refresher training. We will dive into lab values, airway, cardiology, ventilators and advanced assessment. The content of this course is in-depth and challenging for even the most experienced clinical providers. Whether you are preparing to challenge the IBSC exam for FP-C or CCP-C; or you are an experienced provider looking to take your clinical game to the next level, this course will exceed your expectations. Come prepared to think and improve your critical care medicine.



One-Day Preconference Workshop

FRIDAY, OCTOBER 25

Mental Health First Aid Training

8am–5pm

*Melodie Kolmetz, MPAS, PA-C, EMT-P,
Physician Assistant and Paramedic*

This class teaches you how to identify, understand and respond to signs of mental illnesses and substance use disorders. This 8-hour training gives you the skills you need to reach out and provide initial support to someone who may be developing a mental health or substance use problem and help connect them to the appropriate care. It focuses on the unique experiences and needs of firefighters and EMS personnel and is a valuable resource that can make a difference in their lives, their coworkers' and families' lives, and the communities they serve. *Class Limit: 30.*

Half-Day Preconference Workshops

THURSDAY, OCTOBER 24

Certified Instructor Updates

BEMS Education Staff

Come join the BEMS Education staff for a three-hour instructor update. There will be two separate class sessions, one morning session and one afternoon session. Each session will meet the three-hour requirement for the NYS update for your instructor renewal.

Certified Instructor Update – Session A

9am–12pm

- **Theory of Margins** – How it can affect your students and you as an instructor. How can you widen that margin. Presented by Jean Taylor, EMT-P, CIC.
- **Instructor Policy Statement 19-01** – The important changes and process for the CLI< CIC and “fast track” instructor certifications. Presented by: Liz Donnelly, EMT-P.
- **New and Innovative Ways to Deliver Education** – Our students learn differently today, and we need to adapt to new learning styles. Presented by John MacMillan, MEd, NRP, CIC.

Certified Instructor Update – Session B

1pm–4pm

- **Dealing with Difficult Students** – Strategies to help you change the problematic student’s behavior and other classroom issue. Presented by John MacMillan, MEd, NRP, CIC.
- **The Mentor’s Role in Education** – Mentors roles vary from student to instructor due to experience and expertise. How can you mentor the new instructor beyond their initial education? Discussion of guiding, advising and coaching new instructors. Presented by: Liz Donnelly, EMT-P.
- **CME Program Requirements** – Recent changes in the CME requirements will be discussed as well as the process to voucher for classes and what to expect during an audit. Presented by Gene Meyers, EMT-P.

FRIDAY, OCTOBER 25

Pediatric Disaster Education: Manikins and Beyond

8am–12pm

*Mark Cicero, MD,
Director of Pediatric Disaster Preparedness,
Yale University School of Medicine*

*Angie Bowen, MPS, RN, CPEN, NRP IC
Nurse-Paramedic, Radiation Emergency
Assistance Center/Training Site*

Disasters are high-stakes, low-frequency events that may potentially overwhelm healthcare resources. Accurate and effective triage of disaster victims helps to ensure that available resources are efficiently allocated to a large number of patients with a range of immediate needs. Disaster triage is a crucial tool, yet existing education and training on this topic is limited.

Simulation educational modalities are interactive and can be an effective tools for disaster education. Simulation bridges the gap between classroom learning and real-life experience. It creates a safe learning environment that allows for cycles of facilitated feedback and deliberate practice with

reflection on performance. Simulation helps individual learners and teams acquire disaster-specific knowledge and skills that focus on injury and illness, policies and activation protocols, resource utilization and psychosocial issues. In this workshop, participants will hone their skills in video game, tabletop, and live simulation education.

How to Write Great Test Questions

1pm–5pm

*Greg Applegate, PhD,
Chief Science Officer, National Registry
of Emergency Medical Technicians*

The quality of a test depends on the quality of its test items. Quality test items will allow you to assess your students’ level of knowledge accurately. Come to this session to learn strategies for brainstorming and assessing test content, item writing guidelines to follow, and techniques to build quality control into your test development process. This session is essential content for anyone who makes and uses tests as a part of their job.

Conference Workshops

FRIDAY, OCTOBER 25

New Friday Afternoon CME Sessions!

These three additional CME sessions are available to all conference attendees.

FRIDAY SESSIONS

GENERAL

1pm–2pm

Hey, That Was No Accident... and I Just Got a Subpoena

*Gary T. Ferrucci,
Senior Homicide Squad Officer,
Nassau County Police Department*

A presentation gauged for EMS, fire and law enforcement when responding to a collision or crash involving multiple victims, some who are seriously injured or dead. Today, catastrophic vehicle crashes can be predicated on high speed, reckless operation, voluntary intoxication, and... alcohol or substances. This presentation brings the attendees to examine actual events, where they participate through their observations, and given known crash dynamics. These actual cases will bring them to explore that this may just not be an accident. We will explore scene safety, being seen, blood borne pathogens, understanding crash dynamics, occupant restraint systems as well as vehicle extrication. Finally, we will convene a brief mock trial involving DWI and blood draws by EMS at the scene. (NYS CME: All Levels – Preparatory)

GENERAL

2:15pm–3:15pm

The Weight of It All: Surviving Vicarious Trauma

*James Dlutowski, BS, EMT-P,
Crew Chief, Pittsburgh Bureau of EMS*

Through an interactive demonstration and sharing my personal experiences, this program will focus on the impact of vicarious and secondary trauma, as well as burnout and on the provider's ability to perform. We will discuss performing self-care assessments as well as building a self-care toolkit to help lift you up and get you moving again. (NYS CME: All Levels – Mandatory Mental Health)

GENERAL

3:30pm–4:30pm

The Malicious and Monstrous Maladies of Disney

*Amy Eisenhauer, EMT,
Educator/Consultant, EMS Consulting Services*

We are all familiar with the reels of the denizens of Disney and the trials and victories they encounter; yet their medical ailments are hidden in plain sight without notice. Both mysterious and monotonous diseases affecting the residents of the realms of Disney will be discussed from Ariel to Mary Poppins. Come join the Siren on this voyage of discovery from under the sea and beyond. (NYS CME: All Levels – Non-core)

Conference Workshops

SATURDAY, OCTOBER 26

WORKSHOP SESSION 1

8am–9am

1A BLS

Gatekeepers to the Mental Health Mindset

*Amy Eisenhauer, EMT,
Educator/Consultant, EMS Consulting Services*

Where did new EMS providers learn they must be unbreakable bastions standing against anything that comes their way? As the entry point to the profession for most providers, educators must acknowledge the difficulties related to caring for others, provide them with tools for mental wellness, and give them permission to be resilient and experience human emotions. Components of the larger picture such as fatigue, moral injury, and workplace stress will be addressed, as well as tools to develop and maintain a mental wellness mindset. (NYS CME: All Levels – Mandatory Mental Health)

1B ALS

Basic 12-Lead ECG Interpretation

*Timothy Redding, BS, NRP, I/C,
President, Emergency Education Consultants*

Ever want to know how to “read that 12-lead”? This course will discuss basic 12-lead ECG interpretation. This course is ideal for EMTs and AEMTs that want to learn how to interpret a STEMI on a 12-lead ECG and for paramedics who want a quick brush-up review of basic 12-lead ECG interpretation. (NYS CME: All Levels – Cardiac)

1C EDUCATOR

Is Your Classroom a Time Machine? Crafting Educational Success for the Modern Student

*Dan Batsie, BA, NRP,
Chief of Emergency Medical Services,
Vermont Department of Health*

Far too often when EMS students walk into class, they find an environment that is not substantially different than the classroom of 30 years ago. Antiquated methods reinforce ineffective strategies and ignore the advancement of a half century of educational theory. More importantly, our time capsules miss the expectations and life experiences of the modern student. This class is designed to break old habits and suggest refreshing strategies to modernize and improve our curriculum, learning environment, and teaching methodologies. More than simply “adding tech” or “flipping the classroom,” this discussion will describe evidence-based theory on how best to train our students to meet the demands of a digital age. (NYS CME: All Levels – Non-core)

1D LEADERSHIP

Culture Triage: Assessing and Impacting Agency Morale

*James Dlutowski, BS, EMT-P,
Crew Chief, Pittsburgh Bureau of EMS*

Leadership is often confused with management. Each and every person in an agency, family or team has the potential to assume the role of exceptional leader, no matter the color of the badge or shirt. This session focuses on evaluating your agency’s morale and how you can impact it through servant and transformational leadership. (NYS CME: All Levels – Non-core)

1E GENERAL

Development of Stroke Systems in NYC

*David Ben-Eli, MD, FACEP, FAEMS,
Division Medical Director, FDNY*

*Michael Redlener, MD,
Medical Director for EMS and Disaster
Preparedness, Mount Sinai Health*

Will review latest advancements in stroke care and discuss the development of a new stroke system of care in NYC, describe the components of this systems, and the steps taken to implementation. (NYS CME: All Levels – Non-core)

1F CRITICAL CARE

Oxygen: Why It May Not Be the Panacea You Think

*Rueben Farnsworth, NRP, CCP-C,
President, RockStar Education*

For years, the theory on oxygen has been, if a little is good, more is better. New research is showing us that this may not be accurate. We will examine some of the latest science of oxygen administration and talk about the pathophysiology of oxygen toxicity and the ensuing effects on the body. We will discuss changes in the oxy-hemoglobin dissociation curve, how oxygen is utilized in the mitochondria and talk about the specifics that play into various types of hypoxia to better facilitate critical thinking in regards to treating patients with hypoxia. Hint: oxygen administration is not always the answer. (NYS CME: All Levels – Respiratory)

Conference Workshops

SATURDAY, OCTOBER 26

WELCOME

9:15am–10am

Welcome: Opening Ceremonies NYS EMS Awards Presentation

OPENING SESSION

10am–11am

Our Fascinating Metamorphosis: EMS in 2019

Ed Racht, MD,

Chief Medical Officer, GMR Medicine

Driverless ambulances? Mobile clinics? Medical control becomes video consultation? Antibiotics in the ambulance? Neuroimaging and intervention? Drone-based first response? Vehicles that predict injury? EMS and medical dreamers have always wondered what life would be like as technology and clinical practices advance. What we thought yesterday about tomorrow is now today (how's that for a sentence?) EMS has changed dramatically and our abilities to care for patients and integrate into the healthcare system are phenomenal. Our caterpillar is a butterfly... (NYS CME: All Levels – Non-core)

WORKSHOP SESSION 2

2pm–3pm

2A BLS

Differential Diagnosis in the Prehospital Setting

John Todaro, BA, NRP, RN, TNS, NCEE,

Assistant Director Center for Experiential Learning and Simulation, University of South Florida College of Nursing

Presentation will discuss the concept of differential diagnosis and how it can be utilized in the prehospital setting, while offering the assessment tools needed to support the differential diagnosis process. (NYS CME: All Levels – Preparatory)

2B ALS

Four Preventable Causes of Trauma-Related Death

Benjamin Sensenbach, FP-C, TP-C,

Administrator, Division of Prehospital Medicine, University of Rochester

Many of the most important prehospital interventions have been born in combat and implemented by civilian EMS systems. A review of the military data from the early years of the wars in Iraq and Afghanistan has shown that members of the armed forces died from what may have been preventable causes. This data has shifted the way military medicine is being conducted with amazing results. There are important implications for the EMS community as BLS interventions are the key to successful trauma care as we have seen in Boston, Aurora and the Pulse nightclub. This lecture will provide a brief overview of the data and put

emphasis on the physical skills that will save lives. (NYS CME: All Levels – Trauma)

2C EDUCATOR

OK, I Flipped My Classroom... Now What?

Kelly Grayson, NREMT-P, CCEMT-P,

Owner, MEDIC Training Solutions, LLC

You've heard "the flipped classroom" touted in various forums and conferences, but what is it, really? While it is simple to describe it as, "Do the classwork at home and the homework in class," implementing a flipped classroom involves a great deal more than a cliched saying. It requires more preparation and attention to detail, better use of technology, and a paradigm shift in the way you view the art of teaching. Join Kelly Grayson as he shares his pearls, perils and pitfalls of implementing his own flipped classrooms. (NYS CME: All Levels – Non-core)

2D LEADERSHIP

See One, Do One, Teach One: Finding Your EMS Mentor

Amy Eisenhauer, EMT,

Educator/Consultant, EMS Consulting Services

Mentoring has long been a tradition in the medical profession, yet it is an underutilized tool in the EMS arsenal. Many EMS providers feel stagnated and leave the field, taking their passion and skills with them to benefit another industry, mentoring can inspire providers passion for EMS again. This presentation will discuss the mentoring relationship and expectations of both the mentor and mentee. Benefits of having a mentor for the individual EMS provider and how to find one will also be reviewed. (NYS CME: All Levels – Non-core)

2E GENERAL

PTSD Is Old School, PTSI Is the Demon We All Need to Battle

Ed Racht, MD,

Chief Medical Officer, GMR Medicine

As EMS providers, we have the obligation (and privilege) to care for our fellow human beings at the worst time of their lives. We have the tools, training and ability to minimize morbidity and mortality and we have a passion for what we do that allows us to face unimaginable events that happen to those who trust us to care for them. But that strength in the storm comes at a substantial cost. We haven't paid attention to the personal impact of "horrible" on us: the caregivers as well as the loved ones who stand by us when times get dark. But finally, finally, that's changing. This presentation will highlight the promising cultural and evidence based approaches to caring for ourselves when we need it most. (NYS CME: All Levels – Non-core)

Conference Workshops

SATURDAY, OCTOBER 26

2F CRITICAL CARE

Critical Care for the Post-Arrest Patient

Brian Clemency, DO, MBA, FACEP, FAEMS,
Associate Professor and EMS Fellowship Director,
University at Buffalo

We've got ROSC! Now what? Medical care for patients in cardiac arrest is driven by established best practices and standardized protocols. However, the care patients get after return of spontaneous circulation is highly variable. We will discuss the science behind out-of-hospital post-cardiac arrest care, and what providers can do to give their post-arrest patient the best chance for survival with favorable neurologic outcome. (NYS CME: All Levels – Non-core)

WORKSHOP SESSION 3

3:15pm–4:15pm

3A BLS

Dingers, Stingers and Getting Your Bell Rung

Kelly Grayson, NREMT-P, CCEMT-P,
Owner, MEDIC Training Solutions, LLC

For years, “getting your bell rung” was considered a rite of passage in contact sports, and athletes were routinely pressured by coaches and peers to “walk it off” and get back into play. Now, with overwhelming evidence that the effects of brain concussions are cumulative and debilitating, it is more important than ever for EMS, coaches and athletic trainers to recognize the signs of post-concussive syndrome, provide proper on-the-field treatment, and understand the importance of removal from play and return-to-play criteria. (NYS CME: All Levels – Neurology)

3B ALS

Fluid Resuscitation: Stop the Madness

Timothy Redding, BS, NRP, I/C,
President, Emergency Education Consultants

This class will discuss common pitfalls with prehospital fluids and fluid resuscitation. We will then discuss better methods we can use to improve outcomes by changing current practice. (NYS CME: All Levels – Trauma)

3C EDUCATOR

The Use of Standardized Patients in EMS Education

John Todaro, BA, NRP, RN, TNS, NCEE,
Assistant Director Center for Experiential Learning and Simulation, University of South Florida College of Nursing
Presentation will discuss the concept of standardized patients, and how they can be used to support and improve EMS education. Emphasis will be placed on the best practices

for planning, facilitating and evaluating the use of standardized patients in EMS education. (NYS CME: Preparatory – Non-core)

3D LEADERSHIP

Understanding Our Agencies Strategic Position in Your Community

Steven Kroll, MHA, EMT,
Executive Director and Chief, Delmar-Bethlehem EMS

The public does not recognize what EMS providers do. They assume that we are there and that we will always be there. They do not know that EMS agencies of all types are struggling across New York State in the face of tremendous change. The breadth of our challenges is so great that we won't succeed in solving them on our own. The path to our long-term sustainability includes engagement of our all of our stakeholders. We must be talking to community stakeholders and government officials. (NYS CME: All Levels – Non-core)

3E GENERAL

A Haz Tac Response! How The Largest EMS System in NYS Handles EMS at a HazMat Incident

David Ben-Eli, MD, FACEP, FAEMS,
Division Medical Director, FDNY

Jordan Lucks, AAS, NREMT-P,
Lieutenant, FDNY

NYC responds to hazmat situations everyday. To keep up with the demand FDNY has created a specialized HazTac EMS Battalion. This course will go into the responsibilities, skills, and training of those EMS providers assigned to the battalion. They will discuss the different types of EMS resources, equipment within the unit and how they operate in such a large system. Regardless of the size of your agency this course will provide great knowledge and concepts of best practices used for response to these specialized calls. (NYS CME: All Levels – Operations)

3F CRITICAL CARE

Hi! I'm An Alveoli and I Need More PEEP: Understanding A/A Gradients and Alveolar Oxygenation

Rueben Farnsworth, NRP, CCP-C,
President, RockStar Education

You probably know that PEEP improves oxygenation and pressure support improves ventilation. The real question is: do you know why? In this course, we will dive into the mechanics of alveolar ventilation to develop a better understanding of what your patient needs to survive. (NYS CME: All Levels – Non-core)

Conference Workshops

SATURDAY, OCTOBER 26

WORKSHOP SESSION 4

4:30pm-5:30pm

4A BLS

Documentation: A Reflection of You and Your Patient

Jason Haag, CCEMT-P, CIC, Quality Assurance Analyst and Clinical Educator, MultiMed Billing, Wayne County Advanced Life Support

Documentation has always been one of the least favorite duties of EMS. The patient care report you write reflects your abilities as an EMS provider as well as the clinical presentation of your patient. This session will help improve how you document as a provider showing your skill set, the patient's condition and care you provided. (NYS CME: All Levels – Non-core)

4B ALS

Lies Your ACLS Instructor Told You

Brian Clemency, DO, MBA, FACEP, FAEMS, Associate Professor and EMS Fellowship Director, University at Buffalo

There is lots of dogma around cardiac arrest care... sometimes its hard to tell what is based on research and what is not. Dr. Clemency will discuss best practices in and out of hospital cardiac arrest care and the science that does (or does not) support what we do in the field. (NYS CME: All Levels – Cardiology)

4C EDUCATOR

Tips and Tools for High Yield CME

Jeff Myers, DO, EDM, EMT-P, FAEMS, EMS Physician, Clinical Paramedicine, LLC

Continuing education: we all need it. Motivating "mandated learners" can be challenging. Regurgitating- the same information every few years turns many EMS clinicians off. It can be very difficult to motivate the mandated learner. How can we infuse life in our continuing education programs and produce high yield sessions? In this interactive session, we will discuss several methods that can be used to get these mandated learners up on their feet and motivated to learn! (NYS CME: All Levels – Non-core Instructor)

You are **strongly** encouraged to indicate the workshop of your choice prior to the conference. We cannot guarantee admission to a session without pre-registering.

4D LEADERSHIP

Creating a Leadership Path Using the Seven Pillars of EMS Officer Competencies

Ryan Greenberg, MBA, FACPE, NRP, EMD, Director, EMS & Trauma Systems for the State of New York

Advancing your EMS leadership career can often be a challenging and confusing road. Once in your new role as an EMS officer, understanding the expectations and ensuring you complete each of your daily operational tasks can be as stressful. In order to help field providers understand the path to leadership and help current EMS officers achieve success, the National EMS Management Association developed a set of core competencies for supervising, managing and executive EMS officers. This session will review the pillars of EMS officer core competencies, how they can help guide personal career growth, define expectations of leadership and help to strengthen your agency's leadership team. The course will provide EMS leadership with the tools needed to build these competencies into their agency's job descriptions and develop training plans for leadership development at each of the three levels. (NYS CME: All Levels – Non-core)

4E GENERAL

What If We're Wrong?: EMS Trends, Fads and Dogma

Timothy Redding, BS, NRP, I/C, President, Emergency Education Consultants

This course will discuss various old, present and new/future EMS practices. We will then discuss how research can help us determine which practices to stick with, abandon and why change is a good thing. (NYS CME: All Levels – Non-core)

4F CRITICAL CARE

It's All About Flow... The Critical Importance of Understanding Perfusion In Acute Illness and Injury

Ed Racht, MD, Chief Medical Officer, GMR Medicine

The human body loves perfusion. Appropriate blood flow is a critical component of any serious acute illness or injury. Complex (yet simple and predictable) activity of the nervous, vascular and endocrine systems help maintain critical end organ function and impact long term viability and function. Understanding the principles of perfusion help us better predict and manage the challenges of our most critical patient populations. (NYS CME: All Levels – Non-core)

Conference Workshops

SUNDAY, OCTOBER 27

WORKSHOP SESSION 5

8am–9am

5A BLS

EMS and EDP: Handling Emotionally Disturbed Persons

Drew Anderson, PhD, EMT, Associate Professor of Psychology, University at Albany-SUNY/Delmar-Bethlehem EMS

At any given time, roughly 15%-20% of Americans have a diagnosable psychiatric disorder. Individuals with psychiatric disorders have increased risk of both comorbid medical conditions and emergency room visits. Unfortunately, many are not receiving adequate psychiatric care, which means that EMS providers are frequently called upon to interact with individuals who either are or are at high risk for becoming emotionally disturbed persons (EDP). This presentation will cover basic mindsets EMS providers can adopt that will help them work with EDP as well as practical techniques for handling individuals who are upset or emotionally disturbed. (NYS CME: All Levels – Psychiatric)

5B ALS

Critical Calls Take Critical Thinking

Kirk Mittelman, MEd, NRP, Founder and Program Director, Mt. Nebo Training

Too often we get tunnel vision and miss the signs and symptoms we are trained to find. During this session we will evaluate critical calls and what could have changed the outcome of these calls. What is critical thinking and how can I use it to better my patient outcomes? Grab your TOPHAT and join Captain Kirk for a session filled with videos and case histories to help improve your Critical Thinking Skills. (NYS CME: All Levels – Preparatory)

5C EDUCATOR

Introduction to Education Podcasting

Jeff Myers, DO, EDM, EMT-P, FAEMS, EMS Physician, Clinical Paramedicine, LLC

Flipped classrooms are becoming more common where time in the classroom is spent in discussion, case review and simulation and much of the didactic content is delivered outside the classroom. Podcasts are one method of delivering this content in a way that can be easily consumed by busy EMS students. In this session, we will discuss the basics of developing and distributing a podcast in a practical way that will allow you to utilize this tool to support classroom activities. (NYS CME: All Levels – Non-core)

5D LEADERSHIP

Women STAND UP to Lead

Lillian Bonsignore, NRP, CIC, EMS Chief, FDNY

Women STAND UP to Lead explores the challenges and obstacles young girls and women must overcome while on their path to leadership positions. This session will also offer advice and tips to overcome some of those challenges through the application of the acronym STAND UP. (NYS CME: All Levels – Non-core)

5E GENERAL

NYS Operations Update

Daniel J. Clayton, BS, EMT-P, Deputy Chief, Operations Branch, NYS DOH- Bureau of EMS

Join the Bureau of EMS Operations Section staff for a review of statute, regulation and policy as they relate to NYS ambulance and ALSFR entities. New and revised Bureau policies will be discussed and best practices offered. Finally, ET3 is not a sequel to the 1982 movie, so come find out what that's all about, too! Staff will be available for a question and answer session and we look forward to seeing you. (NYS CME: All Levels – Operations)

5F CRITICAL CARE

Watch Their Vitals: Invasive Monitoring

Michael O'Brien, MD, FACEP, CCEMT-P, EMS Physician/Clinical Assistant Professor, University at Buffalo, School of Medicine and Biomedical Sciences

During periods of severe illness or injury, merely having a pulse isn't sufficient to sustain life. Monitoring the critical care patient requires understanding of invasive catheters and physiologic parameters. (NYS CME: All Levels – Non-core)

Register online at
vitalsignsconference.com

Conference Workshops

SUNDAY, OCTOBER 27

WELCOME

9:30am–10am

**Closing Ceremonies:
Presentation of EMS Agency Innovation Awards
New York State EMS Memorial Service**

CLOSING SESSION

10am–11am

**Closing Keynote Address:
Post Traumatic Growth:
Finding Benefits Within Challenges**

*Daniel Sundahl,
Artist, Paramedic, Firefighter, DanSun Photo Art*

Post-traumatic growth is more than recovering, it is about reconfiguration and becoming a better person than you were before the injury occurred. My journey from battling my demons to purging my nightmares in artwork is shared through images based on calls I have attended as a paramedic and firefighter. I will share how my job nearly destroyed my life and, although this is my story, you may connect with them through your own experiences and realize you are not alone in how you are feeling. More importantly, I will share what I did – and continue to do – to build resiliency and recover from my mental stresses. If I can do it, so can you. As DanSun Photo Art, my images are shared worldwide by hundreds of thousands of my peers. Learn the motivation behind my artwork. (NYS CME: All Levels – Non-core)

WORKSHOP SESSION 6

1pm–2pm

6A BLS

A Mini Stroke: When Pediatric Patients Experience CVA

*Rory Putnam, AA, NREMT-P, I/C,
President/CEO, Atlantic Life Safety Services*

We all know that stroke is the result of cardiovascular disease affecting the brain and that it typically presents in older adults. But are you aware of the statistics regarding incidence of pediatric stroke and how it affects these little patients? Stroke can affect anyone, even the young. Patients don't know how they're supposed to present and unfortunately our pediatric patients aren't immune to this condition. We'll explore the rare and unexpected events of stroke in younger patients and how important it is to recognize and treat despite their age and apparent good health. (NYS CME: All Levels – Pediatric and Neurology)

6B ALS

Tackling Sepsis on the Front Line

*Jeff Myers, DO, EDM, EMT-P, FAEMS,
EMS Physician, Clinical Paramedicine, LLC*

Sepsis is estimated to affect 1.5 million people per year with approximately 250,000 deaths in the U.S. alone. These numbers have climbed in recent years. It is estimated that a third of all in hospital deaths are due to sepsis. In this interactive session, we discuss how sepsis is a true medical emergency, how to identify sepsis and how we can be on the front line and tackle sepsis to reduce morbidity and mortality. (NYS CME: All Levels – Shock/Resuscitation)

6C EDUCATOR

NYS Education Update

*Jean Taylor, EMT-P, CIC,
Deputy Chief, Education Branch, NYSDOH Bureau of EMS*

Come join the Education Staff for a lively discussion of the latest happenings in NYS EMS. Find out what is new and what is looming over the horizon. (NYS CME: All Levels – Preparatory)

6D LEADERSHIP

Morbidity and Mortality: What's Hurting and Killing EMS Providers and What Can We Do About It?

*Drew Anderson, PhD, EMT,
Associate Professor of Psychology,
University at Albany-SUNY/ Delmar-Bethlehem EMS*

EMS is a dangerous profession; work-related injury and fatality rates for EMTs are higher than most professions. Yet, a few causes underlie the majority of injuries and deaths we see in EMS providers, and many of these injuries and deaths are preventable. This presentation reviews the data on rate of injury and death in EMS, discusses the most common causes of injury and death in EMS providers, and suggests solutions for preventing these injuries and deaths. (NYS CME: All Levels – Well-being)

6E GENERAL

Deciphering the Alphabet Soup of Legal Documents EMS May Encounter On-scene: DNR, MOLST, HCP and POA

*Kevin Mahoney, JD, EMT,
Attorney, HoganWillig*

One way for an EMS call with an unconscious/unresponsive/non-communicative patient to be made more complicated is for a family member to assert some decision-making authority to influence a treatment/transport decision and, likely after rifling through a number of papers, then provides a document intended to prove it. We'll discuss the potential forms that may be provided, what each does and does not do, and what the EMS provider should do as a result. (NYS CME: All Levels– Preparatory)

Conference Workshops

SUNDAY, OCTOBER 27

6F CRITICAL CARE

Nerve Agents 201

Chris Tanski, MD, MSEd,

Attending Physician, Upstate University Hospital in Syracuse

This session will introduce different types of nerve agents, how they are structured, some basic history, and especially how to treat exposures. The focus will be on exposure from a WMD/mass casualty perspective, but with implications for domestic exposure in farm settings as well. New and old agents will also be discussed. (NYS CME: All Levels – Toxicology)

WORKSHOP SESSION 7

2:15pm–3:15pm

7A BLS

Legal Issues for EMS Providers

Kevin Mahoney, JD, EMT,

Attorney, HoganWillig

This lecture will provide an overview of some legal issues impacting EMS providers including liability concerns for actions on and off duty, as well as specific required conduct such as mandated reporting of suspected child maltreatment and preservation of patient confidentiality. (NYS CME: All Levels – Preparatory)

7B ALS

I Missed the Warning Signs, Will You?

Kirk Mittelman, MEd, NRP,

Founder and Program Director, Mt. Nebo Training

The call comes out, “shots fired!” from your partner. You are one that has been shot, what now? During your career, facing death will be a part of everyday life. But we commonly think of it in terms of someone else dying. What if you are facing an armed patient, how will you react? Will you see the warning signs of a violent patient? If you miss them, it could mean your life. Join Kirk as he uses his unique brand of humor and candor to share his personal experience with being shot and what to do if things go wrong. (NYS CME: All Levels – Preparatory)

7C EDUCATOR

Where is Your Moral Compass?: Ethics, Morals and Classroom Management in EMS

William J. Schaub, MS, CIC, EMT-CC,

Adjunct Professor, LaGuardia and Suffolk County Community College

Ethical and moral behavior shapes our decision making which in turn directs our classroom management applications. Classroom management takes both cognitive competencies like understanding classroom life, being able to analyze

situations, and skills and competencies, and I think that more often, people think that classroom management is just dealing with behavior modification for challenging behaviors. Encouraging ethical conduct in the classroom is critical to successful teaching. Ethical educator behavior refers to the nature of the interaction between the EMS educator and students and encompasses impartiality, respect, concern for students, integrity and propriety. In this session we will explore relationship between Ethical and Moral behavior and classroom management. (NYS CME: All Levels – Non-core)

7D LEADERSHIP

Leading the Invisible

Lillian Bonsignore, NRP, CIC,

EMS Chief, FDNY

“Leading the Invisible” discusses how easy it is to turn a first responder workforce into a group of people who feel unappreciated and invisible. This session will also offer tips and strategies to avoid such an environment. (NYS CME: All Levels – Non-core)

7E GENERAL

Resilience in EMS: What It Is and How to Get It

Drew Anderson, PhD, EMT,

Associate Professor of Psychology,

University at Albany-SUNY/ Delmar-Bethlehem EMS

EMS is by its nature a stressful profession, both physically and emotionally. This stress has costs: EMS providers are at increased risk for depression, anxiety, burnout, illness, and suicide. Fortunately, however, there are ways to learn to adapt and cope with stress and become more resilient. This presentation will cover current models of resilience as well as practical behavioral and cognitive strategies for becoming more resilient. (NYS CME: All Levels – Mandatory Mental Health)

7F CRITICAL CARE

Buy Some Time: Advanced Cardiovascular Support

Michael O'Brien, MD, FACEP, CCCEMT-P,

EMS Physician/ Clinical Assistant Professor, University at Buffalo, School of Medicine and Biomedical Sciences

Critical care personnel are called upon to manage patients in all stages of disease. The sickest patients often require various degrees of cardiovascular support. This talk discusses intra-aortic balloon pumps, Impella devices, REBOA, and extracorporeal life support/eCPR. (NYS CME: All Levels – Cardiac)

Conference Workshops

SUNDAY, OCTOBER 27

WORKSHOP SESSION 8

3:30pm–4:30pm

8A BLS

It's Just a Flesh Wound: Soft Tissue and Extremity Trauma

*Rory Putnam, AA, NREMT-P, I/C,
President/CEO, Atlantic Life Safety Services*

Trauma for the Black Knight is a given, but what about your patient. We see a lot of soft tissue and extremity trauma in EMS, but there are so many variations and issues with it, that the treatments aren't all the same, despite being similar. We'll explore a detailed look at musculoskeletal injuries, compartment syndrome, burns and other soft tissue trauma, as well as bleeding, with special focus on the use of tourniquets. Remember, trauma doesn't just appear, it happens! Join this graphic and humorous quest with a touch of Monty Python, to examine through slides, video and photos of traumatic accidents what actually transpired, getting into detail about mechanisms involved in the trauma and results of the accident, including important treatments. (NYS CME: All Levels – Trauma)

8B ALS

Ring My Bell: Concussion Pathophysiology

*Jeff Myers, DO, EDM, EMT-P, FAEMS,
EMS Physician, Clinical Paramedicine, LLC*

Patients who have sustained a concussion are commonly encountered by EMS, both in organized sporting activities and during "unorganized" activities. The long term effects of concussions are only recently coming to light in many contact sports. Concussion severity can range from mild to severe. In this session, participants will review the pathophysiology, treatment, and return to play recommendations for patients who have sustained a concussion. (NYS CME: All Levels – Trauma Neurology)

8C EDUCATOR

Not Everyone is Going to Get a Trophy: Embedded Support and Remediation in the EMS Classroom

*William J. Schaub, MS, CIC, EMT-CC,
Adjunct Professor, LaGuardia & Suffolk County
Community College*

Embedded support and remediation have a significant role in the EMS classroom. By providing embedded supports to all students, this reform strategy has been viewed as a way to increase student success in courses and contribute to improved student completion overall. The integration of student supports and academics takes many forms and might best be considered as a process along a continuum.

Tutoring and remediation services can increase students' chances of earning a credential. In this session we will demonstrate embedded support techniques and how they can be used in the EMS classroom. We will also discuss the role of tutoring and remediation. Finally, we will address the end point of these roles for students. (NYS CME: All Levels – Non-core)

8D LEADERSHIP

EMS Mergers 101

*Reg Allen, BS, NREMT-P,
Chief/CEO, CHS Mobile Integrated Health Care*

Small- to mid-sized EMS agencies across the country are suffering from staffing and financial issues. Many are closing their doors as a result. This program is designed to outline a path for neighboring agencies to partner (merge) to leverage the benefits of scale and shared services. The path to a merger is fraught with pitfalls. This program will outline those potential pitfalls and how to navigate around them. (NYS CME: All Levels – Non-core)

8E GENERAL

EMS ePCR Data: Why Agencies and EMTs Should Care

*Peter Brodie, AEMT,
EMS Data Coordinator, NYSDOH Bureau of EMS*

ePCR data isn't just transmitted to the NYS data repository and isn't just a completed form – the ePCR is a legal record, the data helps evaluate systems, the data contributes to quality improvement and system assessment, the data helps identify gaps and training needs and quantify public health concerns. This isn't a boring data analysis, it is a step inside how the data is analyzed and how your agency can improve; how you as a provider can improve and how the care provided can improve. Providers and agencies would be surprised how the data can be used and how PCR documentation has improved following the implementation of NEMSIS 3.4.0 in New York State. (NYS CME: All Levels – Non-core)

8F CRITICAL CARE

Capnography and Blood Gas

*Chris Tanski, MD, MSEd,
Attending Physician, Upstate University Hospital in Syracuse*

This session will introduce participants to waveform capnography; its physiology and utility in all types of patients. You will learn how the technology works and how to use it in patients with a perfusing rhythm and also cardiac arrest patients. You will learn how to uncover underlying pathologies. (NYS CME: All Levels – Respiratory)

Conference Information

RECEPTION

Friday, October 25
5pm–7pm

Visit with old friends, view the exhibits, and talk to other EMS providers from around the state. Join us at the Friday evening reception in the Exhibit Hall. Free with conference registration. There will be a \$10 fee for those not registered with the conference.

BADGES

All conference registrants will receive a name badge. Badges must be worn at all times to attend sessions or special events.

BREAKS AND LUNCHES

Beverage breaks will be situated near the Exhibit Hall of the Convention Center. Please check the schedule for specific break times. Buffalo has several restaurants within walking distance or a short drive from the Convention Center. However, for those who prefer not to visit local eateries, the Convention Center concession stands will be selling breakfast snacks in the early morning and light lunches for your convenience.

CONTINUING EDUCATION

Participants may receive hour for hour continuing education credit for each session attended.

NYS CME-BASED RECERTIFICATION PROGRAM

All CME hours for this year's conference have been authenticated and approved by a CIC for use in the NYS CME Program and the majority of the hours can be used towards core content. The specific content areas are listed at the end of each session description in the brochure. Attendees must retain a copy of the brochure along with their CME certificate. These must be provided to your EMS agency and placed in your NYS CME Program file. Additional information may be available on our web site at www.vitalsignsconference.com.

PARKING

There is a parking garage adjacent to the Convention Center at a variable rate. Please be aware that parking fees in other lots or garages in the area may be more costly.

BUSES

Shuttle buses will **NOT** be provided to and from the hotels.

EXHIBITS

Included in the price of registration is access to the exhibit hall. **You must wear your name badge to enter the exhibit hall.** Please check the conference brochure for exhibit hours. Neither the NYSDOH, Bureau of EMS or Health Research, Inc. accepts responsibility in attendee dealings with exhibitors.

REFUNDS/CANCELLATIONS

If you are unable to attend and wish a refund, a written notice of cancellation must be sent to the NYSDOH Bureau of EMS postmarked on or before October 1, 2019. A 25% cancellation fee must be charged. No refunds will be granted after October 1, 2019.

The NYSDOH Bureau of EMS reserves the right to substitute speakers and/or topics if circumstances require it.

The NYSDOH Bureau of EMS or Health Research, Inc. will not provide refunds to participants whose behavior causes the Convention Center or NYSDOH to ask that they leave the conference.

If necessary, the NYSDOH, Bureau of EMS reserves the right to cancel the conference. In the event that the conference is cancelled, registration fees will be refunded.

REGISTRATION

All registrations need to be completed online. We have credit card and electronic check transfer options available. Please visit www.vitalsignsconference.com to complete the registration process.

Upon receipt of your conference registration, a receipt will be e-mailed to you. To receive your conference materials please present your receipt at the registration desk.

You will need to show identification to receive your packet.

Directions

The Buffalo Convention Center is located on Franklin Street across from the Statler Building between Court Street and West Huron Street.

FROM THE NORTH

(Tonawanda and Niagara Falls)

Take the 290 to the 190 (Youngman); take Niagara Street Exit 8, turn right (south) on to Niagara Street. Continue on Niagara Street go around the traffic circle in front of City Hall and turn right onto Court Street (approximately the fourth street). Go down one block to Franklin Street and turn left. The Buffalo Convention Center will be on the right hand side in the middle of the block.

FROM THE SOUTH

(Erie)

Take the 90 East to Exit 53 (190 North); continue on the 190 to the Church Street Exit N7. Go straight off of the exit up 3 blocks (traffic signals) to Franklin Street, turn left onto Franklin. The Convention Center will be 2 blocks up on your right hand side.

FROM THE EAST

(Buffalo Airport and Rochester)

Take the 90 West to Exit 51 West (Route 33 west toward downtown Buffalo). Exit at Goodell Street; go straight on Goodell until the sign directs you to Pearl Street (Pearl Street will veer to the left). Continue down Pearl Street until the corner of Court Street, turn right onto Court Street, go down one block and turn right onto Franklin Street. The Convention Center will be on your right, in the middle of the block.

FROM THE PEACE BRIDGE

After getting off of the bridge, continue straight to Porter Avenue; make a left onto Porter. Stay on Porter to Niagara Street; turn right onto Niagara. Continue on Niagara Street, go around the traffic circle in front of City Hall and turn right onto Court Street (approximately the fourth street). Go down one block to Franklin Street and turn left. The Convention Center will be on the right hand side, in the middle of the block.

Housing Registration Instructions

ROOM RESERVATION INSTRUCTIONS: PLEASE READ CAREFULLY

HOUSING PROCESS

In order to gain access to the Meeting Max Housing website, please go to this unique link which has been created for NYS Bureau of Emergency Medical Services:

<https://mmxreservations.com/fer/#/buffalocvb?pageCode=Vital%20Signs%202019>

It is important to make your hotel reservation as soon as possible. All reservations require a credit/debit card to complete the booking process. Upon completion of your reservation you will receive an email acknowledging that

you have successfully booked your reservation. Hotel confirmations will be sent by e-mail within 2 weeks of booking. Review your confirmation for accuracy. Once you have a confirmation number you will have 24-hour access to make changes, requests or cancellations.

For detailed information, visit us at vitalsignsconference.com and register today!

Hotel Information

THE BUFFALO GRAND

120 Church St, Buffalo, NY 14202

- Complimentary wi-fi
- Heated Indoor pool with outdoor patio
- Fitness center
- Business center
- Sundries shop
- On-site parking

HYATT REGENCY BUFFALO

Two Fountain Plaza, Buffalo, NY 14202

- Complimentary wi-fi
- Indoor heated pool on rooftop with city views
- Three dining outlets, including Morton's The Steakhouse
- Spa Alexis on-site
- 24-hour StayFit™ gym
- 24-hour business center

HILTON GARDEN INN BUFFALO DOWNTOWN

10 Lafayette Square, Buffalo, NY 14203

- Complimentary wi-fi
- Fitness center
- Indoor pool
- 24-hour business center
- 24-hour Pavilion Pantry market
- Full-service restaurant on site

EMBASSY SUITE BY HILTON BUFFALO

200 Delaware Ave, Buffalo, NY 14202

- Complimentary wi-fi
- Two-room suites
- Free made-to-order breakfast
- Complimentary drinks and snacks at the evening reception
- Indoor pool, whirlpool and fitness center

HAMPTON INN & SUITES BUFFALO DOWNTOWN

220 Delaware Ave, Buffalo, NY 14202

- Complimentary wi-fi
- Free hot breakfast
- On-site restaurant
- Indoor pool
- Fitness center
- Business center
- Self-parking: \$10

THE COURTYARD BY MARRIOTT DOWNTOWN/CANALSIDE

One Canalside, 125 Main Street, Buffalo, NY 14203

- Complimentary wi-fi
- Valet parking only: \$18/day and one car per room
- Heated saltwater indoor pool, whirlpool
- Fitness center
- On-site dining: The Bistro and Pizza Plant

Join Us at a New Networking Event

Pearl Street Grill & Brewery
76 Pearl Street, Buffalo
Saturday, October 26 • 7pm–11pm

Free to all registered attendees.
Please show your name badge for admittance.

Sponsored by



*Twin City
Ambulance*



Course Selection Worksheet

Please use this worksheet page to help you in the online registration process. Visit vitalsignsconference.com to complete your registration.

Last Name		First Name	
Address			
City		State/Province	Zip/Postal Code
E-mail			

CONFERENCE REGISTRATION

- \$225 Registration completed on or before September 25
- \$250 Registration completed September 26–October 17
- \$150 Saturday Only – On-site Registration
- \$150 Sunday Only – On-site Registration
- \$300 On-site Registration
- FREE Subscription to *EMS* Magazine (\$32 value)
- Check here if you wish to have your name and address released to exhibitors for informational mailings.

PRECONFERENCE WORKSHOPS

(Please mark your first, second, and third choices. All efforts will be made to accommodate your first choice.)

- \$235 **BLS Core Content Refresher**
(Two-day Preconference)
- \$235 **ALS Core Content Refresher**
(Two-day Preconference)
- \$235 **Leadership Survival Series: Cultivating the Leadership, Management and Clinical Skills to Help Your Agency Thrive**
(Two-day Preconference)
- \$235 **Critical Care Paramedicine: Keeping Up with Critical Patients**
(Two-day Preconference)
- \$ 50 **Certified Instructor Update – Session A**
(Half-day Preconference)
- \$ 50 **Certified Instructor Update – Session B**
(Half-day Preconference)
- \$150 **Mental Health First Aid Training**
(One-day Preconference)
- \$ 95 **Pediatric Disaster Education: Manikins and Beyond**
(Half-day Preconference)
- \$ 95 **How to Write Great Test Questions**
(Half-day Preconference)

FRIDAY SESSION WORKSHOPS

- Hey, That Was No Accident... and I Just Got a Subpoena**
1pm–2pm
- The Weight of It All: Surviving Vicarious Trauma**
2:15pm–3:15pm
- The Malicious and Monstrous Maladies of Disney**
3:30pm–4:30pm

CONFERENCE WORKSHOPS

(Please mark your first, second, and third choices. All efforts will be made to accommodate your first choice.)

SESSION 1 Saturday, October 26, 8am–9am

- 1A Gatekeepers to the Mental Health Mindset
- 1B Basic 12-Lead ECG Interpretation
- 1C Is Your Classroom a Time Machine?:
Crafting Educational Success for the Modern Student
- 1D Culture Triage: Assessing and Impacting Agency Morale
- 1E Development of Stroke Systems in NYC
- 1F Oxygen: Why It May Not Be the Panacea You Think

SESSION 2 Saturday, October 26, 2pm–3pm

- 2A Differential Diagnosis in the Prehospital Setting
- 2B Four Preventable Causes of Trauma-Related Death
- 2C OK, I Flipped My Classroom... Now What?

- 2D See One, Do One, Teach One: Finding Your EMS Mentor
- 2E PTSD is Old School, PTSI Is the Demon We All Need to Battle
- 2F Critical Care for the Post-Arrest Patient

SESSION 3 Saturday, October 26, 3:15pm–4:15pm

- 3A Dingers, Stingers and Getting Your Bell Rung
- 3B Fluid Resuscitation: Stop the Madness
- 3C The Use of Standardized Patients in EMS Education
- 3D Understanding Your Agency's Strategic Position in Your Community
- 3E A Haz Tac Response! How the Largest EMS System in NYS Handles EMS at a HazMat Incident
- 3F Hi! I'm an Alveoli and I Need More PEEP: Understanding A/A Gradients and Alveolar Oxygenation

SESSION 4 Saturday, October 26, 4:30pm–5:30pm

- 4A Documentation: A Reflection of You and Your Patient
- 4B Lies Your ACLS Instructor Told You
- 4C Tips and Tools for High Yield CME
- 4D Creating a Leadership Path Using the Seven Pillars of EMS Officer Competencies
- 4E What If We're Wrong?: EMS Trends, Fads and Dogma
- 4F It's All About Flow... The Critical Importance of Understanding Perfusion in Acute Illness and Injury

SESSION 5 Sunday, October 27, 8am–9am

- 5A EMS and EDP: Handling Emotionally Disturbed Persons
- 5B Critical Calls Take Critical Thinking
- 5C Introduction to Education Podcasting
- 5D Women STAND UP to Lead
- 5E NYS Operations Update
- 5F Watch Their Vitals: Invasive Monitoring

SESSION 6 Sunday, October 27, 1pm–2pm

- 6A A Mini Stroke: When Pediatric Patients Experience CVA
- 6B Tackling Sepsis on the Front Line
- 6C NYS Education Update
- 6D Morbidity and Mortality: What's Hurting and Killing EMS Providers and What Can We Do About It?
- 6E Deciphering the Alphabet Soup of Legal Documents EMS May Encounter On-scene: DNR, MOLST, HCP and POA
- 6F Nerve Agents 201

SESSION 7 Sunday, October 27, 2:15pm–3:15pm

- 7A Legal Issues for EMS Providers
- 7B I Missed the Warning Signs, Will You?
- 7C Where Is Your Moral Compass?: Morals and Classroom Management in EMS
- 7D Leading the Invisible
- 7E Resilience in EMS: What It Is and How to Get It
- 7F Buy Some Time: Advanced Cardiovascular Support

SESSION 8 Sunday, October 27, 3:30pm–4:30pm

- 8A It's Just a Flesh Wound: Soft Tissue and Extremity Trauma
- 8B Ring My Bell: Concussion Pathophysiology
- 8C Not Everyone Is Going to Get a Trophy: Embedded Support and Remediation in the EMS Classroom
- 8D EMS Mergers 101
- 8E EMS ePCR Data: Why Agencies and EMTs Should Care
- 8F Capnography and Blood Gas

Please use this worksheet page to help you in the online registration process. Visit vitalsignsconference.com to complete your registration.



Save the Date

Stay Tuned for Location Announcement!

OCTOBER 29–NOVEMBER 1, 2020



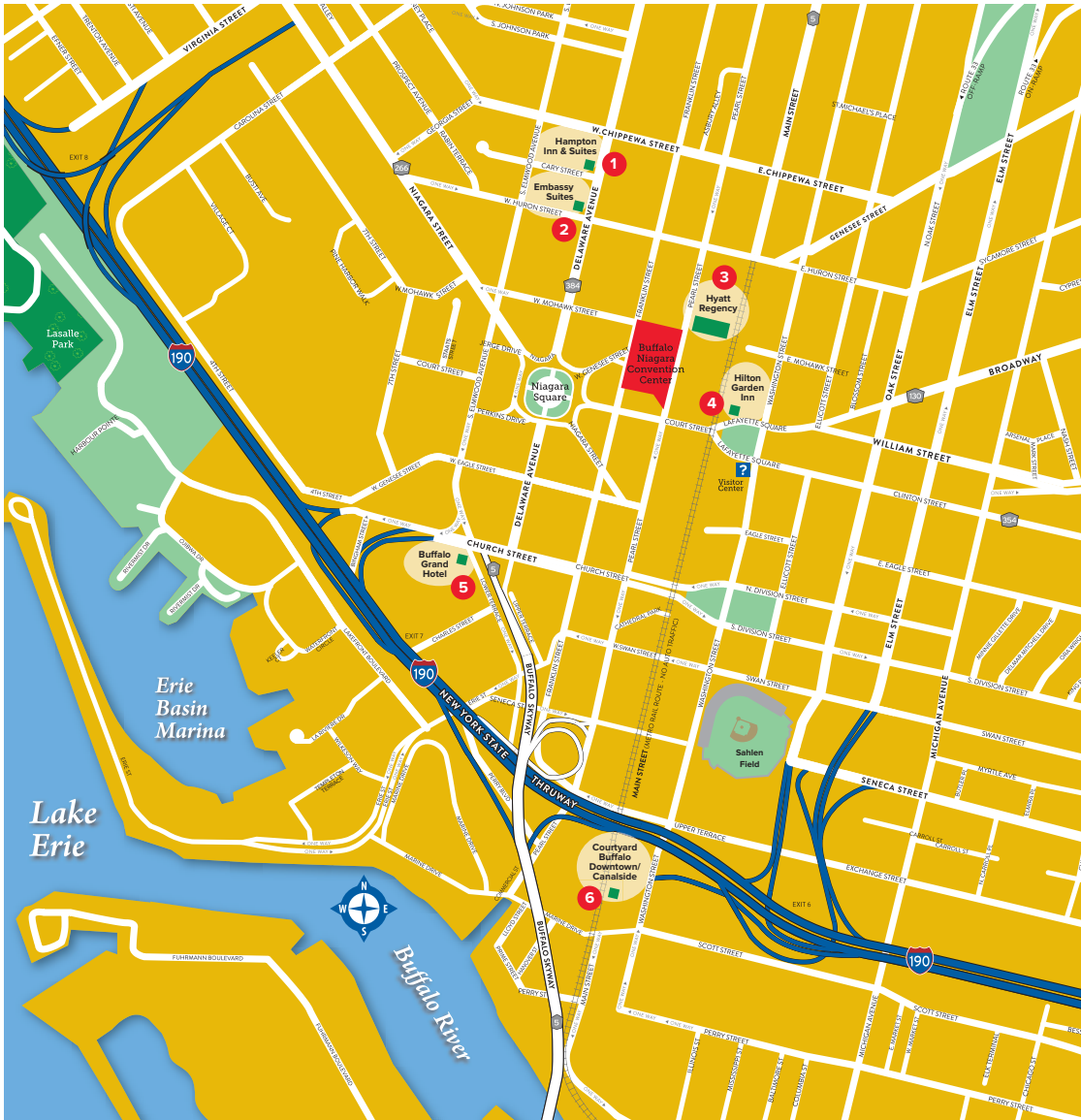
**Vital Signs 2020
EMS Conference**

A Program of the New York State Department of Health



Vital Signs 2019 EMS Conference

October 24-27, 2019
Buffalo Convention Center, Buffalo, NY



- 1 Hampton Inn and Suites
- 2 Embassy Suites
- 3 Hyatt Regency
- 4 Hilton Garden Inn
- 5 Buffalo Grand Hotel
- 6 Courtyard Buffalo Downtown/Canalside